

**TTÜ PUBLIKATSIOONID**  
**2010**

**EHITUSTEADUSKOND**

**Raamatud**

Abel, E., Voll, H. Hoonete energiatarve ja sisekliima. [Tallinn] : Presshouse, [2010]. 249 lk.

Arro, M., Laur, T., Tuisk, T. jt. (koost.). Betoon ja raudbetoon : betooni pinnad. Tallinn : Eesti Betooniühing, ET Infokeskus, 2010. 113 lk.

Bergant, A., Westende, J.M.C., Koppel, T., Gale, J., Hou, Q., Pandula, Z., Tijsseling, A.S. Water hammer and column separation due to accidental simultaneous closure of control valves in a large scale two-phase flow experimental test rig. Eindhoven : Eindhoven University of Technology, 2010. 10, [1] p. (CASA-report 10-37).

Ellmann, A., Kala, V. (koost.). Geodeesia laboratoorse praktikumi juhend. I. Tallinn : TTÜ, 2010. 72 lk.

Hunt, T., Letunovitš, S., Annuka, H. (koost.). Kujutava geomeetria algkursus : harjutusülesanded. Tallinn : TTÜ insenerigraafika keskus, 2010. 20 lk.

Hääl, K. (tlk.). Sisekeskkonna algandmed hoonete energiatõhususe projekteerimiseks ja hindamiseks, lähtudes siseõhu kvaliteedist, soojuslikust mugavusest, valgustusest ja akustikast. [Tallinn] : Eesti Standardikeskus, 2010. II, 45 lk. (Eesti standard ; EVS-EN 15251:2007).

Idnurm, S. (tlk.). Eurokoodeks: Ehituskonstruktsioonide projekteerimise alused. Muudatus A1. Lisa A2, Rakendamine sildade puhul. [Tallinn] : Eesti Standardikeskus, 2010. II, 37 lk. (Eesti standard ; EVS-EN 1990:2002/A1:2006+NA:2009).

Jaanus, J., Parts, A. (tlk.). Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 3-2, Tornid, mastid ja korstnad. Korstnad. [Tallinn] : Eesti Standardikeskus, 2010. II, 36, [1] lk. (Eesti standard ; EVS-EN 1993-3-2:2006+NA:2009).

Just, A. Structural fire design of timber frame assemblies insulated by glass wool and covered by gypsum plasterboards. Tallinn : TUT Press, 2010. 160 p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 30).

Kala, V., Kotsulim, G. Vesiehitised : ehitusuuringute alused. Tallinn : TTÜ, 2010. 279 lk.

Kalamees, T. Hoone piirdetarindi soojusjuhtivuse arvutusjuhend. Osa 1, Välisõhuga kontaktis olev läbipaistmatu piire. [Tallinn] : Eesti Standardikeskus, 2010. II, 38 lk. (Eesti standard ; EVS 908-1:2010).

Kalamees, T., Kõiv, T.-A., Liias, R., Õiger, K., Kallavus, U., Mikli, L., Ilomets, S., Kuusk, K., Maivel, M., Mikola, A., Klõšeiko, P., Agasild, T., Arumägi, E., Lih, E., Ojang, T., Tuisk, T., Raado, L.-M., Jõesaar, T. Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne. Tallinn, 2010. 225 lk.

Karu, J. Tarbeveekäitus. II, õpplevahend. Tallinn : TTÜ, 2010. 114 lk.

Kask, M., Loitve, M. (koost.). Joonestamise harjutusülesanded ehituserialadele. Tallinn : TTÜ insenerigraafika keskus, 2010. 20 lk.

Kulbach, V. (tlk.). Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-1, Puistemahutid. [Tallinn] : Eesti Standardikeskus, 2010. II, 124 lk. (Eesti standard ; EVS-EN 1993-4-1:2007+NA:2010).

Kulbach, V. (tlk.). Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2, Vedelikumahutid. [Tallinn] : Eesti Standardikeskus, 2010. II, 60 lk. (Eesti standard ; EVS-EN 1993-4-2:2007+NA:2010).

Kulbach, V. (tlk.). Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-3, Torujuhtmed. [Tallinn] : Eesti Standardikeskus, 2010. II, 41 lk. (Eesti standard ; EVS-EN 1993-4-3:2007+NA:2010).

Kulbach, V. (tlk.). Teraskonstruktsioonide ja alumiiniumkonstruktsioonide valmistamine. Osa 3, Tehnilised nõuded alumiiniumkonstruktsioonidele. [Tallinn] : Eesti Standardikeskus, 2010. II, 110 lk. (Eesti standard ; EVS-EN 1090-3:2008).

Kõiv, T.-A., Toode, A. Hoonete soojaveevarustus. [Tallinn] : TTÜ, 2010. 102 lk.

Loorits, K. (tlk.). Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-11, Tõmbele töötavate elementidega konstruktsioonide projekteerimine. [Tallinn] : Eesti Standardikeskus, 2010. II, 46 lk. (Eesti standard ; EVS-EN 1993-1-11:2006+NA:2010).

Mespak, V. (tlk.). Asfaltsegud : kuuma asfaltsegu katsemeetodid. Osa 12, Asfaltsegust proovikehade veepüsivuse määramine. [Tallinn] : Eesti Standardikeskus, 2010. II, 16 lk. (Eesti standard ; EVS-EN 12697-12:2008).

Mespak, V. (tlk.). Asfaltsegud : kuuma asfaltsegu katsemeetodid. Osa 2, Terastikulise koostise määramine. [Tallinn] : Eesti Standardikeskus, 2010. 11 lk. (Eesti standard ; EVS-EN 12697-2:2003+A1:2007).

Mespak, V. (tlk.). Asfaltsegud : kuuma asfaltsegu katsemeetodid. Osa 8, Asfaltsegust proovikehade poorsusomaduste määramine. [Tallinn] : Eesti Standardikeskus, 2010. 12 lk. (Eesti standard; EVS-EN 12697-8:2003).

Mespak, V. (tlk.). Teekattemärgised. Kattehelkurid. Osa 1, Esmased toimivusnõuded. [Tallinn] : Eesti Standardikeskus, 2010. II, 27 lk. (Eesti standard ; EVS-EN 1463-1:2009).

Mõisnik, K. (koost.). Ehitusmasinad ja -seadmed : töövihik. Tallinn : TTÜ, 2010. 51 lk.

Onton, H., Õiger, K. Deterioration and restoration of old reinforced concrete constructions : reinforced concrete constructions. Saarbrücken : Lambert Academic Publishing, 2010. 131 p.

Pachel, K. Water resources, sustainable use and integrated management in Estonia. Tallinn : TUT Press, 2010. 171 p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 28).

Parts, A. (tlk.). Eurokoodeks 2 : raudbetoonkonstruktsioonide projekteerimine. Osa 3, Tammid ja mahutid. Tallinn : Eesti Standardikeskus, 2010. 25, [5] lk. (Eesti standard ; EVS-EN 1992-3:2006+NA:2009).

Pedusaar, T. Management of Lake Ülemiste, a drinking water reservoir. Tallinn : TUT Press, 2010. 126 p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 27).

Randrüüt, M. Wave propagation in microstructured solids : solitary and periodic waves. Tallinn : TUT Press, 2010. 166 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 96).

Ratassepp, M. Wave scattering at discontinuities in plates and pipes. Tallinn : TUT Press, 2010. 113 p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 26).

Räämet, A. Spatio-temporal variability of the Baltic Sea wave fields. Tallinn : TUT Press, 2010. 171 p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 29).

Tabri, K. Dynamics of ship collisions : doctoral dissertation. Espoo : Aalto University, 2010. Various pagins. (TKK dissertations ; 213).

Talvik, I. (tlk.). Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-7, Üldkoormused. Erakorralised koormused. [Tallinn] : Eesti Standardikeskus, 2010. II, 69 lk. (Eesti standard ; EVS-EN 1991-1-7:2006+NA:2009).

Talvik, I. (tlk.). Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-4, Üldkoormused. Tuulekoormus. Muudatus A1. Eesti standardi rahvuslik lisa. [Tallinn] : Eesti Standardikeskus, 2010. II, 9 lk. (Eesti standard ; EVS-EN 1991-1 4:2005/A1:2010+A1:2010/NA:2010).

Vallas, E., Kogerman, E., Paluver, N. (koost.). Kujutava geomeetria üldkursus : harjutus-ülesanded. Tallinn : TTÜ insenerigraafika keskus, 2010. 41 lk.

## Artiklid

Aavik, A. Rappuv sõidukogemus // Miks seisavad kured ühe jala peal? Ja veel 100 huvitavat küsimust. [Tallinn] : Presshouse, 2010. lk. 113-115.

Abel, E., Voll, H. Ilmus eestikeelne hoonete energiatarvet ja sisekliimat käsitlev raamat // Ehitaja (2010) 7/8, lk. 17-18.

Andrejev, O., Sokolov, A., Soomere, T., Värv, R., Viikmäe, B. The use of high-resolution bathymetry for circulation modelling in the Gulf of Finland // Estonian journal of engineering (2010) Vol. 16, 3, p. 187-210.

Annus, I., Koppel, T., Vardy, A. Transition to turbulence in accelerating flow // Proceedings of the HYDRALAB III Joint Transnational Access User Meeting : Hannover, February 2010. Hannover : Forschungszentrum Küste FZK of University Hannover, 2010. p. 9-12.

\* Arumägi, E., Kalamees, T., Broström, T. Indoor climate in a naturally ventilated unheated medieval church in Harju-Risti, Estonia // Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010. [S.l.] : Lexington Books, 2010. [8] p.

Berezovski, M., Berezovski, A., Engelbrecht, J. Waves in materials with microstructure : numerical simulation // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 99-107.

Berezovski, M., Berezovski, A., Soomere, T., Viikmäe, B. On wave propagation in laminates with two substructures // Estonian journal of engineering (2010) Vol. 16, 3, lk. 228-242.

Bergant, A., Westende, M.C., Koppel, T., Gale, J., Hou, Q., Pandula, Z., Tijsseling, A.S. Water hammer and column separation due to accidental simultaneous closure of control valves in a large scale two-phase flow experimental test rig // Proceedings of the ASME 2010 Pressure Vessels & Piping Division/K-PVP Conference : PVP2010 : July 18–22, 2010, Bellevue, Washington, USA. [Bellevue] : ASME, 2010. [10] p.

Cite, N., Chati, F., Leon, F., Maze, G., Naar, H., Klauson, A. Diffusion acoustique d'un moyeu et d'une pale // 10eme Congres Francais d'Acoustique : Lyon, 12-16 Avril 2010. [Lyon], 2010. [5] p.

Cuthbertson, A., Laanearu, J., Davies, P., Wahlin, A. The behaviour of dense gravity currents in a rotating channel with converging topography // Proceedings of the HYDRALAB III Joint Transnational Access User Meeting : Hannover, February 2010. Hannover, 2010. p. 155-158.

Deelstra, J., Eggestad, H.O., Iital, A., Jansons, V., Barkved, L.J. Time resolution and hydrological characteristics in agricultural catchments // Status and perspectives of hydrology in small basins. [Oxfordshire] : IAHS, 2010. p. 138-143. (IAHS publications ; 336).

Dementjeva, N., Zaidentsal, A., Voll, H., Härm, M. Eesti noored ergeetikud rahvusvahelise kogemuse võrra rikkamad // Elektriala (2010) 7, lk. 26-27.

Depelche, N., Soomere, T., Llover, M.-J. Diapycnal mixing and internal waves in the Saint John River Estuary, New Brunswick, Canada with a discussion relative to the Baltic Sea // Estonian journal of engineering (2010) Vol. 16, 2, p. 157-175.

Ehlers, S., Tabri, K., Romanoff, J., Varsta, P. Numerical and experimental investigation on the collision resistance of the X-core structure // 5th International Conference on Collision and Grounding of Ships : June 14th –16th 2010 Espoo, Finland. Espoo : Aalto University, 2010. p. 18-24.

Ellmann, A. Considerations on the further improvements of regional geoid modeling over the Baltic countries // Geodezija ir kartografija = Geodesy and cartography (2010) Vol. 36, 1, p. 5-15.

\* Ellmann, A. Combining different modification methods of the Stokes formula [Electronic resource] // Geophysical research abstracts (2010) Vol. 12, p. EGU2010-12420 [CD-ROM].

\* Ellmann, A. Donward continuation of airborne gravity data [Electronic resource] // Geophysical research abstracts (2010) Vol. 12, p. EGU2010-9449 [CD-ROM].

Ellmann, A. Validation of the new Earth gravitational model EGM08 over the Baltic countries // Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23–27 June 2008. Berlin : Springer, 2010. p. 489-496. (International Association of Geodesy Symposia ; 135).

Ellmann, A. Taevalaotuse atraktiivseim satelliit // Horisont (2010) 4, lk. 18-24.

Ellmann, A., Gruno, A. Vello Kala 75 // Geodeet (2010) 40, lk. 93-94.

Engelbrecht, J. Mälu, kultuur ja teadus : [kõne Eesti Rahva Muuseumi 100. aastapäeva aktusel] // Eesti Rahva Muuseumi aastaraamat. 53. Tartu : Eesti Rahva Muuseum, 2010. lk. 15-18.

Engelbrecht, J. Suuri hüppeid põhjustavad pisikesed muutused : [intervjuu] // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 159-163.

Engelbrecht, J. Teadusmõtttest Küberneetika Instituudis // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 11-15.

Engelbrecht, J. Nonlinear wave motion and complexity // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 66-71.

Engelbrecht, J., Berezovski, A., Soomere, T. Higlights in the research into complexity of nonlinear waves // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 61-65.

Engelbrecht, J. Miks mõtlen nii, nagu ma mõtlen? : [intervjuu] // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 55-64.

\* Fletcher, S., Lowe, M.J.S., Rataspepp, M., Brett, C. Implementation of focused guided waves to locate axial defects in pipes // Review of progress in quantitative nondestructive

evaluation. Volume 29. [S.I.] : American Institut of Physics, 2010. p. 223-230. (AIP Conference proceedings ; Vol. 1211, Materials physics and applications).

Gribniak, V., Kaklauskas, G., Idnurm, S., Bacinskas, D. Finite element mesh size effect on deformation predictions of reinforced concrete bridge girder // The Baltic journal of road and bridge engineering (2010) Vol. 5, 1, p. 19-27.

Hani, A., Britikovski, I., Voll, H., Kõiv, T.-A. Sea water district cooling feasibility analysis for Tallinn // The 12th International Symposium on District Heating and Cooling : September 5th to September 7th, 2010, Tallinn, Estonia. Tallinn, 2010. p. 153-156.

Hanson, M., Idnurm, S. Spagetti Bridge Contest ehk tõsine mäng toiduga // Inseneeria (2010) 10, lk. 18-20.

Iital, A., Brandt, N., Gröndahl, F., Loigu, E., Klõga, M. Impact of changes in nutrient inputs to the water quality of the shallow Haapsalu Bay, the Baltic Sea // Journal of environmental monitoring (2010) Vol. 12, 8, p. 1531-1536.

Iital, A., Pachel, K., Loigu, E., Pihlak, M., Leisk, Ü. Recent trends in nutrient concentrations in Estonian rivers as a response to large-scale changes in land-use intensity and life-styles // Journal of environmental monitoring (2010) Vol. 12, 1, p. 178-188.

\* Ilomets, S., Kalamees, T., Kõiv, T.-A. Analysis of energy use in detached houses to determine energy performance requirements in Estonia // Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010. [S.I.] : Lexington Books, 2010. [8] p.

Jaaniso, V. Geotehnika // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 211-260.

Juozapaitis, A., Idnurm, S., Kaklauskas, G., Idnurm, J., Gribniak, V. Non-linear analysis of suspension bridges with flexible and rigid cables // Journal of civil engineering and management (2010) Vol. 16, 1, p. 149-154.

Just, A. Post-protection behaviour of wooden wall and floor structures completely filled with glass wool // Structures in Fire : proceedings of the 6th International Conference (SiF'10) : June 2–4, 2010, East Lansing, MI. Lancaster : DesTech Publications Inc, 2010. p. 584-592.

Just, A., Schmid, J., König, J. Failure times of gypsum boards // Structures in Fire : proceedings of the 6th International Conference (SiF'10) : June 2–4, 2010, East Lansing, MI. Lancaster : DesTech Publications Inc, 2010. p. 593-601.

\* Just, A., Schmid, J., König, J. Failure times of gypsum plasterboards // Interflam 2010 : proceedings of the twelfth international conference : 5–7th July 2010, Nottingham, UK, Volume 2. London : Interscience Communications, Ltd, 2010. p. 1695-1700.

\* Kaklauskas, A., Amaratunga, D., Lill, I. The life cycle process model for efficient construction manager : conceptual modelling at the level of personality and at micro, meso

and macro levels // COBRA 2010 : The Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors : Held at Dauphine Université, Paris, 2–3 September 2010. [Paris] : RICS, 2010. [18] p.

Kalamees, T. Suurpaneelelamute renoveerimise õnnestumine eeldab kompleksset lähenemist // Keskkonnatehnika (2010) 1, lk. 36-37.

\* Kalamees, T., Ilomets, S., Arumägi, E., Kuusk, K., Liias, R., Köiv, T.-A., Öiger, K. Research demand of old apartment buildings in Estonia // IEA Annex 55 (RAP-RETRO) : working meeting : Holzkirchen, Germany, 15–16 April, 2010. [Holzkirchen], 2010. [8] p.

Kalamees, T., Kurnitski, J. Moisture convection performance of external walls and roofs // Journal of building physics (2010) Vol. 33, 3, p. 225-247.

Kalamees, T., Kurnitski, J., Jokisalo, J., Eskola, L., Jokiranta, K., Vinha, J. Measured and simulated air pressure conditions in Finnish residential buildings // Building services engineering research & technology (2010) Vol. 31, 2, p. 177-190.

\* Kalamees, T., Köiv, T.-A., Arumägi, E., Ilomets, S. Indoor temperature and humidity conditions in Estonian old multi-storey apartment buildings composed of prefabricated concrete elements // Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010. [S.I.] : Lexington Books, 2010. [8] p.

Koppel, T., Laanearu, J., Annus, I., Raidmaa, M. Using transient flow equations for modelling of filling and emptying of the large-scale pipeline // Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12–15, 2010. [Tucson], 2010. [9] p.

\* Koppel, T., Liias, R. Student mobility and economic situation in the constructive sector // Inquiries into European Higher Education in Civil Engineering, Ninth EUCEET Volume. Bucharest : CONSPRESS, 2010. p. 217-225.

Koppel, T., Vassiljev, A. Calibration of water distribution network for BWCN // Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12–15, 2010. [Tucson], 2010. [10] p.

Krasjukova, J. Possibilities to manage effectively risks in the transport of dangerous goods // Journal of International Research Publications : Economy & Business (2010) Vol. 4, 2, p. 27-36.

Kulbach, V., Idnurm, J. The Behaviour of Cable Structures subject to Supporting System Deformation // Proceedings of the Tenth International Conference on Computational Structures Technology, held in Valencia, Spain, 14–17 September 2010. Stirlingshire : Civil-Comp Press, 2010. Paper 362 [CD-ROM].

\* Köiv, T.-A. Indoor climate and energy efficiency of apartment and educational buildings in Estonia // Latest Trends on Engineering Mechanics, Structures, engineering Geology : proceedings of 3rd WSEAS International Conference on Engineering Mechanics, Structures

Engineering Geology : Corfu Island, Greece, July 22–24, 2010. [S.I.] : WSEAS, 2010. p. 196-199.

\* Kõiv, T.-A., Voll, H. DHW consumption in residential, educational and office buildings [Electronic resource] // Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010. [S.I.] : Lexington Books, 2010. [8] p. [CD-ROM].

\* Kõiv, T.-A., Voll, H. Domestic hot water consumption in educational and office buildings of Estonia // 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010 : [abstracts]. [S.I.], 2010. p. 437.

Kõiv, T.-A., Voll, H., Hani, A. Domestic hot water consumption in educational premises, apartment and office buildings // WSEAS transactions on environment and development (2010) Vol. 6, 1, p. 43-52.

Kõiv, T.-A., Voll, H., Mikola, A., Kuusk, K., Maivel, M. Indoor Climate and Energy Consumption in Residential Buildings in Estonian Climatic Conditions // WSEAS transactions on environment and development (2010) Vol. 6, 4, p. 235-244.

Kütt, L., Kilter, J., Palu, I. Short-circuit wave transient measurements in HV power network // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 37-41.

Laanearu, J., Vassiljev, A., Davies, P. Modelling of exchange flow in horizontal channels with quadratic-shape cross sections : Pärnu river mouth case study // First IAHR European Division Congress : Heriot Watt University, Edinburgh, UK, 4th, 5th, 6th May 2010 : paper abstracts. [Edinburgh : Heriot Watt University], 2010. p. 18.

Laanearu, J., Westende, J. Hydraulic characteristics of test rig used in filling and emptying experiments of large-scale PVC pipeline // Proceedings of the HYDRALAB III Joint Transnational Access User Meeting : Hannover, February 2010. Hannover : Forschungszentrum Küste FZK of University Hannover, 2010. p. 5-8.

Lasn, K., Klauson, A., Chati, F., Decultot, D. The determination of mechanical properties of orthotropic composites // XVI International Conference Mechanics of Composite Materials : book of abstracts. [S.I.], 2010. p. 117.

Laur, T. Toomas Laur : võidutöö nõudis elemenditootjalt professionaalsust // Ehitaja (2010) 3, lk. 43.

Laur, T. Ehitustoodete vastavustõendamine põhjustab endiselt probleeme // Ehitaja (2010) 3, lk. 56-58. Sama vene keeles Строитель (2010) 1, lk. 48-50.

\* Liias, R. Re-engineering the built environment // Public service review : science & technology (2010) 8, p. 140-141.

Loginov, D. Synergetics-based approach to engineering design // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 220-224.

Loorits, K. Teraskonstruktsioonid // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 411-470.

Loorits, K. Terasest ja raudbetoonist komposiitkonstruktsioonid // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 471-502.

Mespak, V. Ants Vaimel : 11.01.1927–16.01.2009 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 328-330.

Montewka, J., Ehlers, S., Tabri, K. Elements of risk analysis for LNG tanker maneuvering with tug assistance in a harbor // 11th International Symposium on Practical Design of Ships and Other Floating Structures : Rio de Janeiro, Brazil. [Rio de Janeiro], 2010. p. 1563-1572.

Mägi, R. Ehitusjoonis // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 103-134.

Mägi, R. BALTGRAF – engineering graphics in the Baltic States // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 93-94.

\* Oja, T., Ellmann, A., Bloom, A., Gruno, A. Gravity surveys on large icecovered lakes in Estonia [Electronic resource] // Geophysical research abstracts (2010) Vol. 12, p. EGU2010-13761 [CD-ROM].

\* Oja, T., Nikolenko, T., Türk, K., Ellmann, A., Jürgenson, H. Calibration results of different type spring gravimeters from the repeated measurements of Estonian calibration lines // Geophysical research abstracts (2010) Vol. 12, p. EGU2010-13590.

Otsma, V. Raudbetoon // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 261-362.

Paap, L., Kalamees, T. Külmasillad Eesti nõukogudeaegsetes raudbetoonist suurpaneel-elamutes // Tallinna Tehnikakõrgkooli Toimetised. Nr. 13., (2010). lk. 34-39.

Pedusaar, T., Loigu, E., Pyrh, A., Pihlak, M. The influence of city water consumption on the water balance and quality of drinking water supply with implications for altered operating rules // Water science and technology : water supply (2010) Vol. 10, 3, p. 376-382.

Pedusaar, T., Sammalkorpi, I., Hautala, A., Salujõe, J., Järvalt, A., Pihlak, M. Shifts in water quality in a drinking water reservoir during and after the removal of cyprinids // Hydrobiologia (2010) Vol. 649, 1, p. 95-106.

Piirimäe, K. Läänemere keskkond aastal 2010 // TalveAkadeemia 2010 : Läänemeri – vaga vesi, sügav põhi : 26.–28. veebruar Laulasmaal. [Tallinn] : TalveAkadeemia, [2010]. lk. 8.

Puust, R. Proovimiseks ehk liigagi uuenduslik tarkvara Revit MEP 2011 // Keskkonnatehnika (2010) 5, lk. 36-38.

Puust, R. AutoCAD 2011 on uuendusmeelsetele // Inseneeria (2010) 5, lk. 20-23.

Puust, R., Kapelan, Z., Savic, D. A., Koppel, T. A review of methods for leakage management in pipe networks // Urban water journal (2010) Vol. 7, 1, p. 25-45.

Pääsuke, K., Voll, H. Development and manufacturing a selfshielding model // Latest Trends on Engineering Education : 7th WSEAS International Conference on Education and Educational Technologies : Corfu Island, Greece, July 22–24, 2010. [S.l.] : WSEAS, 2010. p. 122-127. (Mathematics and computers in science engineering : a series of reference books and textbooks).

Ratassepp, M., Fletcher, S., Lowe, M.J.S. Scattering of the fundamental torsional mode at an axial crack in a pipe // The journal of the Acoustical Society of America (2010) Vol. 127, 2, p. 730-740.

\* Rikmann, E., Menert, A., Blonskaja, V., Kurissoo, T., Zub, S., Tenno, T. Sulfate-dependent anaerobic ammonium oxidation in baker's yeast wastewater // Book of abstracts of the 7th International Conference ORBIT 2010 : Organic Resources in the Carbon Economy : 29th June to 3rd July 2010 Heraklion Crete, Greece. Thessaloniki : Grafima Publications, 2010. p. 204.

Romanoff, J., Naar, H., Varsta, P. Interaction between web-core sandwich deck and hull girder of passenger ship // 11th International Symposium on Practical Design of Ships and Other Floating Structures : Rio de Janeiro, Brazil. [Rio de Janeiro], 2010. p. 1071-1078.

Roosalu, K., Kamenev, I., Kuusik, A., Loigu, E. Prügilavee puastamine bioloogilise ja keemilise oksüdatsiooni protsessidega // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 70.

Räämet, A., Soomere, T. A reliability study of wave climate modelling in the Baltic Sea // 6th Study Conference on BALTEX : 14–18 June 2010, Miedzyzdroje, Poland : conference proceedings. Geesthacht : BALTEX, 2010. p. 71-72. (International BALTEX Secretariat Publication ; 46).

Räämet, A., Soomere, T. The wave climate and its seasonal variability in the northeastern Baltic Sea // Estonian journal of earth sciences (2010) Vol. 59, 1, p. 100-113.

Räämet, A., Soomere, T., Zaitseva-Pärnaste, I. Variations in extreme wave heights and wave directions in the north-eastern Baltic Sea // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 182-192.

Salupere, A. Saateks // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 6-7.

Seinre, E., Voll, H. Energy efficiency regulations taking action in Estonia // Selected Topics in Energy, Environment, Sustainable Development and Landscaping : 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '10), 3rd WSEAS International Conference on Landscape Architecture (LA '10) : Politehnica University of Timisoara, Romania, October 21–23, 2010. [S.I.] : WSEAS, 2010. p. 211-215.

Sokk, O., Loigu, E., Kuusik, R., Menert, A. Integration of technologies : biogas production, fertilizer production and biogas upgrading // 12th World Congress on Anaerobic Digestion : October 31st – November 4th, 2010, Guadalajara, Jalisco, Mexico. [Guadalajara], [2010]. p. 179.

Sokk, O., Loigu, E., Kuusik, R., Menert, A. Integration of technologies : biogas production, fertilizer production and biogas upgrading // 12th World Congress on Anaerobic Digestion : October 31st – November 4th, 2010, Guadalajara, Jalisco, Mexico. [Guadalajara] : International Water Association, 2010. [6] p.

Sokolov, A., Kaklauskas, G., Idnurm, S., Bacinskas, D., Gribniak, V. Tension stiffening model based on test data of RC beams // The 10th International Conference "Modern Building Materials, Structures and Techniques" : May 19–21, 2010, Lithuania : selected papers. Vilnius : Technika, 2010. p. 810-814.

Soomere, T. Hiidlained : meremeeste müütidest tänapäeva tipptehnoloogiasse // Tarkade Klubi (2010) erinumber, lk. 44-45.

Soomere, T. Läänemere laineqliima muutuste keerises // Globaalsed muutused. Tartu : Sulemees, 2010. lk. 59-73, 130-131. (Schola geologica ; 6).

Soomere, T. Marine Commission // Estonian Academy of Sciences year book 2009. Tallinn, 2010. p. 31-32.

Soomere, T. Mees nagu mitme tundmatuga võrrand : [intervjuu] // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 76-85.

Soomere, T. Märkamatu mõön // Miks seisavad kured ühe jala peal? Ja veel 100 huvitavat küsimust. [Tallinn] : Presshouse, 2010. lk. 69.

Soomere, T. Nord Stream eirab tundliku Läänemere eripära // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 243-249.

Soomere, T., Lippmaa, E., Tartes, U. Kiri Eesti Vabariigi President härra Toomas Hendrik Ilvesele ja Peaminister härra Andrus Ansipile // Eesti Teaduste Akadeemia aastaraamat 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 255-256.

Soomere, T., Viikmäe, B., Depelche, N., Myrberg, K. Towards identification of areas of reduced risk in the Gulf of Finland, the Baltic Sea // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 156-165.

Sutt, J. Tööhõive energiasäästu kaudu – kriisi leevedamiseks // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 261-262.

\* Sutt, J., Hang, T., Aaskivi, U. Standardizing of standards in IPM of construction // Proceedings of the 5th Scientific Conference of Project Management : 29–31 May, Athens, Greece. [S.l.], 2010. p. 698-703.

\* Zaitseva-Pärnaste, I., Räämet, A., Soomere, T. Comparison between modelled and measured wind wave parameters in Estonian coastal waters // Proceedings of the 2nd International Conference (school) on Dynamics of Coastal Zone of Non-tidal Seas : Baltiysk, 26–30 June 2010. Kaliningrad : Terra Baltica, 2010. p. 106-110.

\* Tabri, K. Influence of coupling in the prediction of ship collision damage // Proceedings of 5th International Conference on Collision and Grounding of Ships, Espoo, Finland, 14–16.07.2010. Espoo : Aalto University, 2010. p. 133-138.

Tabri, K., Broekhuijsen, J., Villavicencio, R. A comparison of two approaches for ship collision simulations : dynamic calculations versus displacement controlled calculations // X Suomen Mekaniikkapäivät : Jyväskylän yliopisto, 3.–4. joulukuuta 2009. Jyväskylä : University of Jyväskylä, 2010. p. 5-16. (Reports of the Department of Mathematical Information Technology. Series A. Collections. No. A 1/2009).

Tabri, K., Varsta, P., Matusiak, J. Numerical and experimental motion simulations of nonsymmetric ship collisions // Journal of marine science and technology (2010) 15, p. 87-101.

Talvik, I. Koormused // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 179-210.

Tamm, K., Salupere, A. On the propagation of solitary waves in Mindlin-type microstructured solids // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 2, p. 118-125.

Thalfeldt, M. Energy consumption and indoor climate analysis of office buildings // International journal of energy and environment (2010) Vol. 4, 4, p. 197-204.

\* Thayaparan, M., Siriwardena, M., Malalgoda, C., Amarasinghe, D., Kaklauskas, A., Lill, I. Reforming HEI to improve skills and knowledge on disaster resilience among construction professionals // COBRA 2010 : The Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors : Paris, 2–3 September 2010. [Paris] : RICS, 2010. [22] p.

Tomson, T., Maivel, M., Voll, H. Solar heat generation in Estonia and its peculiarities // Eurosun2010 International Conference on Solar Heating, Cooling and Buildings : 28 September – 1 October 2010, Graz, Austria : book of abstracts. [S.I.], 2010. p. 55.

\* Tomson, T., Maivel, M., Voll, H. Solar heat generation in Estonia and its peculiarities // Proceedings of the Eurosun2010 International Conference on Solar Heating, Cooling and Buildings : 28 September – 1 October 2010, Graz, Austria. [Graz], 2010. p. 10-18.

Tärno, Ü. Kolm raamatut korraga : [sõnavõtt raamatute esitlusel] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 276-278.

Vajda, P., Ellmann, A., Meurers, B., Vanicek, P., Novak, P., Tenzer, R. Harmonic continuation and gravimetric inversion of gravity in areas of negative geodetic heights // Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23–27 June 2008. Berlin : Springer, 2010. p. 25-30. (International Association of Geodesy Symposia ; 135).

Vajda, P., Vanicek, P., Novak, P., Tenzer, R., Ellmann, A., Meurers, B. On ambiguities in definitions and applications of Bouguer gravity anomaly // Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23–27 June 2008. Berlin : Springer, 2010. p. 19–24. (International Association of Geodesy Symposia ; 135).

Varsta, P., Ehlers, S., Tabri, K., Klanac, A. Ship collision as criteria in ship design // Advanced ship design for pollution prevention. Boca Raton : CRC Press, 2010. p. 191-203.

Vassiljev, A., Blinova, I. Drained peat soils as source of diffuse pollution // Hydrology : from Research to Water Management : XXVI Nordic Hydrological Conference, Nordic Association for Hydrology, Riga, Latvia, August 9–11, 2010. Riga : University of Latvia Press, 2010. p. 108-109.

Vassiljev, A., Koppel, T., Puust, R. Use of error analysis for calibration of water distribution systems // Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12–15, 2010. [Tucson], 2010. [13] p.

Wasson, J.-G., Villeneuve, B., Iital, A., Murray-Bligh, J., Dobiasova, M., Bacikova, S., Timm, H., Pella, H., Mengin, N., Chandresris, A. Large-scale relationships between basin and riparian land cover and the ecological status of European rivers : examples with invertebrate indices from France, Estonia, Slovakia and United Kingdom // Freshwater biology (2010) Vol. 55, 7, p. 1465-1482.

Viikmäe, B., Soomere, T., Viidebaum, M., Berezovski, M. Temporal scales for transport patterns in the Gulf of Finland // Estonian journal of engineering (2010) Vol. 16, 3, p. 211-227.

\* Witt, E. Procurement arrangements and risk transfer in construction projects – initial evidence from Estonia // The 10th International Conference "Modern Building Materials,

Structures and Techniques" : May 19–21, 2010, Lithuania : selected papers. 1. Vilnius : Technika, 2010. p. 549-556.

\* Witt, E., Lill, I. The mismatch between graduate competences and market skills requirements in the construction sector – the Estonian situation // COBRA 2010 : The Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors : Paris, 2–3 September 2010. [Paris] : RICS, 2010. [15] p.

Voll, H. Achieving energy savings in urban planning by using direct solar and diffuse daylight in early stage design // WSEAS transactions on environment and development (2010) Vol. 6, 9, p. 645-655.

Voll, H. Energia ja sisekliima labor aitab parandada arhitektide ja inseneride koostööd // Ehitaja (2010) 5/6, lk. 48-49. Sama vene keeles: Строитель (2010) 2, lk. 50-51.

\* Voll, H., Kõiv, T.-A. Cooling demand and daylight – the influence of alternative design // 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010 : [abstracts]. [S.l.], 2010. p. 227.

\* Voll, H., Kõiv, T.-A. Cooling demand and daylight – the influence of alternative design [Electronic resource] // Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9–12.05.2010. [S.l.] : Lexington Books, 2010. [8] p. [CD-ROM].

\* Voll, H., Kõiv, T.-A., Sergejeva, M. Direct solar and diffuse daylight analysis for apartment buildings in urban planning // Latest Trends on Urban Planning and Transportation : 3rd WSEAS International Conference on Urban Planning and Transportation (UPT 10) : Corfu Island, Greece, July 22–24, 2010. [S.l.] : WSEAS, 2010. p. 48-52.

Voll, H., Kõiv, T.-A., Tark, T., Sergejeva, M. Cooling demand in commercial buildings – the influence of daylight window design // WSEAS transactions on applied and theoretical mechanics (2010) Vol. 5, 1, p. 101-111.

Voll, H., Pääsuke, K. Development of a study scale model for energy and daylight analysis // WSEAS transactions on advances in engineering education (2010) Vol. 7, 7, p. 213-223.

Voll, H., Tomson, T. TTÜ energia- ja sisekliimalabor. Energiasääst passiivse arhitektuurilise jahutuse ja/või küttemeetodite kavandamise abil // TEUK XII : taastuvate energiaallikate uurimine ja kasutamine : kaheteistkümnenda konverentsi kogumik. Tartu : Eesti Maaülikool, 2010. lk. 6-10.

Voltri, V. Kivikonstruktsioonid // Ehituskonstruktori käsiraamat. Tallinn : Ehitame, 2010. lk. 363-410.

Õiger, K. Kalju Loorits : 18.07.1944–29.12.2009 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 340-342.

## **ENERGEETIKATEADUSKOND**

### **Raamatud**

Hamburg, A. Analysis of energy development perspectives. Tallinn : TUT Press, 2010. 161 p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 45).

Jalakas, T. Research and development of high-power high-voltage DC/DC converters. Tallinn : TUT Press, 2010. 153 p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 43).

Karu, V. (toim.) Teadus algab mõõtmisest [Võrguteavik]. Tallinn : TTÜ Mäenduse ja geoloogia teadusklubi, 2010. 80 lk.

Kilter, J. (tlk.). Elektrituulikud. Osa 21, Elektrivõrguga ühendatud elektrituulikute elektri kvaliteedi näitajate mõõtmine ja hindamine (IEC 61400-21:2008). [Tallinn : Eesti Standardikeskus], 2010. II, 60 lk. (Eesti standard ; EVS-EN 61400-21:2008).

Клипта, М., Ляурик, Ю., Ткачук, В. CUCEE : 10 Jahre eines Hochschulkooperationsnetzes in Europa = CUCEE : 10 aastat kõrgkoolide koostöövõrgustikku Euroopas = CUCEE : 10 років мережі співпраці університетів у Європі = CUCEE : 10 lat sieci współpracy uczelni w Europie. Львів : Видавництво Львівської політехніки, 2010. 81, [1] lk.

Lahtmets, R. (ed.). 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11–16, 2010 : proceedings]. [Tallinn] : Elektrijam, 2010. 312 p.

Lahtmets, R. (ed.). 9th International Symposium "Topical Problems in the Field of Electrical and Power engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. 230 p.

Lehtla, T. (tlk.). Madalpingelised aparaadikoosted. Osa 2, Jõuaparaadikoosted (IEC 61439-2:2009). [Tallinn] : Eesti Standardikeskus, 2010. II, 23 lk. (Eesti standard ; EVS-EN 61439-2:2009).

Lehtla, T. (tlk.). Madalpingelised aparaadikoosted. Osa 1, Üldreeglid. [Tallinn] : Eesti Standardikeskus, 2010. II, 136 lk. (Eesti standard ; EVS-EN 61439-1:2009).

Lind, H. Groundwater flow model of the western part of the Estonian oil shale deposit. Tallinn : TUT Press, 2010. 100 p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 44).

Oidram, R. (tlk.). Mõötetrafod. Osa 1, Voolutrafod. [Tallinn] : Eesti Standardikeskus, 2010. II, 61 lk. (Eesti standard ; EVS-EN 60044-1:2002+A2:2003).

Orru, M. Dependence of Estonian peat deposit properties on landscape types and feeding conditions. Tallinn : TUT Press, 2010. 121 p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 46).

Reinsalu, E., Valgma, I., Sabanov, S. Maapõue kasutamise uus kontseptsioon : intensiivkursus : Tallinn, 28. jaanuar 2010. Tallinn : Tallinna Tehnikaülikooli mäeinstituut, 2010. 76 lk. (Energia- ja geotehnika doktorikool ; 2 ).

Risthein, E. (tlk.). Ehitiste elektripaigaldised. Osa 5-51, Elektriseadmete valik ja paigaldamine. Üldjuhised. [Tallinn] : Eesti Standardikeskus, 2010. II, 34 lk. (Eesti standard ; EVS-HD 60364-5-51:2009).

Risthein, E. (tlk.). Elektroohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 9, Isolatsioonirikkelokatsiooniseadmed IT-süsteemides. [Tallinn] : Eesti Standardikeskus, 2010. II, 25 lk. (Eesti standard ; EVS-EN 61557-9:2009).

Risthein, E. (tlk.). Elektroohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 10, Kombineeritud mõõteseadmed kaitseviiside katsetamiseks, mõõtmiseks ja seireks. [Tallinn] : Eesti Standardikeskus, 2010. II, 6 lk. (Eesti standard; EVS-EN 61557-10:2002).

Risthein, E. (tlk.). Elektroohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 11, A- ja B-tüüpi rikkevooluseireseadmete tõhusus TT-, TN- ja IT-süsteemides. [Tallinn] : Eesti Standardikeskus, 2010. II, 21 lk. (Eesti standard ; EVS-EN 61557-11:2009).

Risthein, E. (tlk.). Hoonete energiatõhusus : energianõuded valgustusele. [Tallinn] : Eesti Standardikeskus, 2010. II, 74 lk. (Eesti standard ; EVS-EN 15193:2007).

Risthein, E. (tlk.). Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Juhtide tuvastamine värvide, tähtede või numbritega. [Tallinn] : Eesti Standardikeskus, 2010. II, 17 lk. (Eesti standard ; EVS-EN 60446:2007).

Risthein, E. Madalpingepaigaldiste juhistikusüsteemid. Tallinn : EETEL-Ekspert, 2010. 97 lk. (Elektripaigaldised : teaberaamat ; 10).

Risthein, E. (tlk.). Madalpingepaigaldistes kasutatavate seadmete isolatsiooni koordinatsioon. Osa 1, Põhimõtted, nõuded ja katsetused. [Tallinn] : Eesti Standardikeskus, 2010. II, 79 lk. (Eesti standard ; EVS-HD 60664-1:2008).

Risthein, E. (tlk.). Madalpingelised elektripaigaldised. Osa 5-55, Elektriseadmete valik ja paigaldamine. Muud seadmed. Jaotis 551, Madalpingelised generatoragregaadid. [Tallinn] : Eesti Standardikeskus, 2010. II, 9 lk. (Eesti standard ; EVS-HD 60364-5-551:2010).

Risthein, E. (tlk.). Madalpingelised elektripaigaldised. Osa 4-43, Kaitseviisid. [Tallinn] : Eesti Standardikeskus, 2010. II, 30 lk. (Eesti standard ; EVS-HD 60364-4-43:2010).

Rööp, A. (koost.). Elektriajamite ja jõuelektronika instituudi aastaraamat 2009. Tallinn : TTÜ elektriajamite ja jõuelektronika instituut, 2010. 72 lk.

Sakkos, T. (ed.). PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. 246, [2] p.

Treufeldt, Ü. (tlk.). Mõõtetraafod : kolmefaasilised induktiivpingetraafod pingega Um kuni 52 kV. [Tallinn] : Eesti Standardikeskus, 2010. II, 21 lk. (Eesti standard ; EVS-EN 50482:2008).

Västrik, A. (koost.). Maapõue kasutamise arengud. Tallinn, 2010. 58 lk.

Воробьев, А.Е., Сабанов, С.М., Джимиева, Р.Б. Рациональное использование горючих сланцев [Elektroniline teavik]. Tallinn : Tallinna Tehnikaülikooli mäeinstituut, 2010. 157 lk.

### **Artiklid**

Aavik, T. Pilliroog – biokütuse lähteaine // TalveAkadeemia 2010 : üliõpilaste teadusartiklite konkursi kogumik. Tartu : TalveAkadeemia, 2010. lk. 76-81.

\* Adamowicz, M., Strzelecki, R., Vinnikov, D. Cascaded quasi-Z-source inverters for renewable energy generation systems // Proceedings of 5th International Conference and Exhibition on Ecological Vehicles and Renewable Energies : March 25–28, 2010, Grimaldi Forum, Monaco. Monaco, 2010. [8] p.

Andrijanovitš, A., Egorov, M., Lehtla, M., Vinnikov, D. A hydrogen technology as buffer for stabilization of wind power generation // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 62-70.

Andrijanovitš, A., Egorov, M., Lehtla, M., Vinnikov, D. New Method for Stabilization of Wind Power Generation Using Energy Storage Technology // Agronomy research (2010) Vol. 8, S1, p. 12-24.

Andrijanovitš, A., Vinnikov, D. Multiport DC/DC converters for interfacing of hydrogen buffer with wind turbine // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 95-99.

\* Beldjajev, V., Lehtla, T. Possibilities of integrating the industrial robot systems to smart grids // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010.

Beldjajev, V., Lehtla, T. Preparation of industrial robot systems for work in intelligent power networks // 8th International Symposium "Topical Problems in the Field of Electrical and

"Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 71-74.

Beldjajev, V., Lehtla, T., Mölder, H. Influence of regenerative braking to power characteristics of a gantry crane // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 73-77.

Beldjajev, V., Lehtla, T., Mölder, H. Influence of variable energy flow to power characteristics // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 29-32.

Blinov, A. Jõumuundurite vedelikjahutussüsteemidest // Elektrala (2010) 1, lk. 24-26.

Blinov, A., Jalakas, T., Vinnikov, D. Study of operating conditions of 3,3 kV dual IGBT modules in three-level neutral point clamped inverters // Технічна електродинаміка (2010) 1, p. 135-140.

Blinov, A., Jalakas, T., Vinnikov, D., Janson, K. Switch-off behaviour of 6.5 kV IGBT modules in two-level voltage source inverter // Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering (2010) 27, p. 121-126.

Blinov, A., Jalakas, T., Vinnikov, D., Janson, K. Transient analysis of high-voltage half-bridge inverter during freewheeling states // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 8-11.

Blinov, A., Jalakas, T., Vinnikov, D., Laugis, J. Analysis of switching properties of different high voltage IGBTs operating under hard-switching conditions // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 323-326.

Brindfeldt, E., Grinko, A. Flexible approach of professional competences in times of economic downturn // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 158-165.

Brindfeldt, E., Grinko, A. Elements of TRIZ in the course "Building automation" // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 159-165.

\* Brindfeldt, E., Grinko, A. Servo drives – the use and importance in teaching mechatronics // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010.

Dmitrenko, I. Obstacles to proper operation of substation telematics // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 93-98.

Dmitrenko, I. The substation local PC workstation : present and future // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 186-189.

Dmitrenko, I., Laugis, J. Obstacles of substation telematics system // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T1-48.

Dmitrienko, I., Laugis, J. The handle of substation remote terminal unit configuration // Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering (2010) 27, p. 63-68.

Egorov, M. Comparative analysis of toolboxes to explore power converters of electrical drives // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 193-199.

Gulevitš, J. Kas teed lähevad kunagi paremaks? // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 31-32.

Gulevitš, J. The analyzes of limestone and dolostone aggregate properties for highway constructions // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 138-139.

\* Гулевич, Ю., Башките, В. Проблемы качественного производства строительного материала для строительства дорожного покрытия с высокой частотой движения // Проблемы недропользования / Санкт-Петербургский Государственный горный институт (2010) 189, 1, с. 108-110.

Gulevitš, J., Baškite, V., Iskül, R. Sustainable development of Estonian mineral resources for economical usage in roads construction // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 77-82.

Hamburg, A. Eesti Soojustehnikainseneride Selts ja Eesti Inseneride Liit // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 13-15.

Hamburg, A. Analysis of energy development perspectives : defence of the doctoral thesis // Oil shale (2010) Vol. 27, 3, p. 275.

Hromov, A., Risthein, E. Problems of using foundation earth electrodes in Estonia // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 268-271.

Hromov, A., Risthein, E. Influence of Estonian soils to foundation earth electrode // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 155-158.

Hõimoja, H., Jalakas, T., Rosin, A., Rassylkin, A. Modernisation issues of diesel-electric shunting locomotive power units // Scientific journal of Riga Technical University. Serija 4, Pover and electrical engineering (2010) 27, p. 57-62.

Hõimoja, H., Roasto, I., Kesküla, A. Design concepts for a hybrid diesel electric shunting locomotive powertrain // BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 293-296.

Hõimoja, H., Vinnikov, D., Lehtla, M., Rosin, A., Zakis, J. Survey of loss minimization methods in tram systems [Electronic resource] // SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th–16th June, 2010 : proceedings. [Pisa] : IEEE, 2010. p. 1356-1361 : [CD-ROM].

Jalakas, T., Blinov, A., Mölder, H., Lehtla, T. Implementation of snubber circuits in power converters with high-voltage IGBTs // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 42-45.

Järvik, J. Action and reaction in electrical circuits. Part I // EPE 2010 : Electric Power Engineering 11th International Scientific Conference : Brno, 2010 : proceedings. Brno : Brno Technical University, 2010. p. 43-48.

Järvik, J. Action and reaction in electrical equipment. Part II // EPE 2010 : Electric Power Engineering 11th International Scientific Conference : Brno, 2010 : proceedings. Brno : Brno Technical University, 2010. p. 49-54.

Järvik, J. Interaction in power source, load and electrical circuits. Part I // Journal of international scientific publications : materials, methods & technologies (2010) Vol. 4, 2, p. 512-521.

Järvik, J. Interaction in electrical equipment. Part II // Journal of international scientific publications : materials, methods & technologies (2010) Vol. 4, 2, p. 522-532.

Järvik, J., Kütt, L., Lellsaar, M. Preface // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia : conference proceedings. Tallinn : IEEE, 2010. p. 3.

Karu, V. Spatial modelling tools in mining areas for improving mining process // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 129-133.

Karu, V. Stability problems in undermined areas // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 134-137.

Karu, V. TalveAkadeemia – teadusele lähemale // TalveAkadeemia 2010 : Läänemeri – vaga vesi, sügav põhi : 26.–28. veebruar Laulasmaal. [Tallinn] : TalveAkadeemia, [2010]. lk. 2-3.

Karu, V. Amount of water in abandoned oil shale mines depending on mining technology in Estonia // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 83-85.

Karu, V. Maavarade kaevandamine ja kasutamine abiturientide arusaamiste moodi // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 55-56.

\* Key, J., Soosalu, H., White, R.S., Jakobsdóttir, S.S. Lower crustal earthquakes at Askja volcano, Iceland : multi-location melt supply from the mantle within a single volcanic system // European Seismological Commission workshop, Seismic phenomena associated with volcanic activity : Massif Central, France, 18.–25.09.2010. [S.I.], 2010.

\* Key, J., Soosalu, H., White, R.S., Jakobsdóttir, S.S. Lower crustal earthquakes at Askja volcano, Iceland: multi-location melt supply from the mantle within a single volcanic system // Nordic Seismic Seminar, Århus, Denmark, 6.–8.10.2010. [S.I.], 2010.

\* Key, J., Soosalu, H., White, R.S. Seismicity beneath the Askja volcanic system, central Iceland, indicating multiple centres of melt injection from the mantle in a single spreading segment // British Geophysical Association New Advances in Geophysics Meeting "Magma Emplacement and Storage in the Earth's Crust", London, 11–12 February 2010. [London, 2010].

Kilk, A. Mesindusprogramm aitab edendada Eesti mesindust // Maamajandus (2010) dets., lk. 42-43.

Kilter, J., Reinson, A., Kraav, R. Influence of system protection to Estonian power system security // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 23-28.

Kolats, M., Valgma, I. Täitmatu kaevandus // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 28-31.

Kozhevnikov, V.N., Skubov, S.G., Marin, Yu.B., Medvedev, P.V., Sõstra, Ü., Valencia, V. Hadean-Archean Detrital Zircons from Jatulian Quartzites and Conglomerates of the Karelian Craton // Doklady Earth Sciences (2010) Vol. 431, 1, p. 318-323.

Кожевников, В.Н., Скублов, С.Г., Марин, Ю.Б., Медведев, П.В., Сыстра, Ю., Валенция, В. Хадей-архейские детритовые цирконы из ятулийских кварцитов и конгломератов Карельского кратона // Доклады Академии наук (2010) 431, 1, с. 85-90.

\* Крумм, Л. Применение и развитие методов комплексной оптимизации управления, надежности и соответствующей сети координации на межгосударственных и региональных уровнях объединения энергосистем (ОЭС) // Методические вопросы исследования надежности больших систем энергетики. Вып. 60. Методы и средства исследования и обеспечения надежности систем энергетики. Санкт-Петербург : Северная звезда, 2010. с. 398-408.

Kuhi-Thalfeldt, R., Valtin, J. Influence of distributed generation development on national targets and electricity price in Estonia // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 75-81.

Kõivastik, I. Benefit analysis of plug-in hybrid electric vehicle technology // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 225-226.

Kõivastik, I., Pettai, E. Development of power management and control system for an infrastructure for Plug-in Hybrid Electric Vehicle charging // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 86-88.

Kütt, L., Järvik, J. Analysis on faulty phase grounding in medium-voltage networks with isolated neutral // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 281-284.

Kütt, L., Kilter, J., Palu, I. Short-circuit wave transient measurements in HV power network // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 37-41.

Lehtla, M., Kõivastik, I., Möller, T., Kallaste, A., Rosin, A. Design of renewable micro generation monitoring and control application // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 105-110.

Lehtla, M., Rosin, A., Möller T., Pikner, R. Design of devices for advanced protection, voltage-quality and load priority control in residential microgrids // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T6-97 - T6-100.

Lehtla, T., Valtin, J. Energiatehnika uued õppekavad ja -ained // Elektriaala (2010) 3, lk. 10-11.

Lepa, E. Primary magnetic field and basic winding for 54 slots and 20 poles permanent magnet generation // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 285-290.

Lind, H. Groundwater flow model of the western part of the Estonian oil shale deposit : defense of the doctoral thesis // Oil shale (2010) Vol. 27, 3, p. 274.

Lind, H. Computational groundwater model of west area of Estonian Oil Shale deposit as modern tool for estimations // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 125-128.

Lind, H. Groundwater flow model of oil shale mining area // Oil shale (2010) Vol. 27, 3, p. 258-273.

Lind, H. Groundwater flow model of the Estonian oil shale mining area towards to innovative system // International Mine Water Association Symposium – Mine Water and Innovative Thinking : Sydney, Nova Scotia, Canada, 2010. Sydney, Nova Scotia : CBU Press, 2010. p. 47-51.

Lind, H., Valgma, I., Robam, K. Põhjavee dünaamika modelleerimise võimalused mäetöode piirkonnas // Keskkonnatehnika (2010) 3, lk. 36-39.

Loonurm, M., Raesaar, P., Tiigimägi, E. Tariffs for reactive power supplied from distribution networks // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 29-34.

Makarihhin, V., Sõstra, Ü. Mitmekesise elu jälgid Paleoproterosoikumi setetes Karjalas, Venemaal // Globaalsed muutused. Tartu : Sulemees, 2010. lk. 74-85, 132. (Schola geologica ; 6).

\* Martens, H.R., White, R.S., Drew, J., Key, J., Soosalu, H., Jakobsdóttir, S. Melt movement along a dyke at Upptyppingar, north-east Iceland // British Geophysical Association New Advances in Geophysics Meeting "Magma Emplacement and Storage in the Earth's Crust" : London, 11–12 February 2010. [London, 2010].

Martens, H.R., White, R.S., Key, J., Drew, J., Soosalu, H., Jakobsdóttir, S.S. Dense seismic network provides new insight into the 2007 Upptyppingar dyke intrusion // Jökull (2010) Vol. 60, p. 47-66.

Milaševski, I., Armas, J., Teemets, R. LED lighting use in street light design technologies // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 145-150.

Milaševski, I., Teemets, R. The preview of development of street lighting in Tallinn // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 170-174.

Mõlder, H., Lellsaar, M., Kütt, L. Compact fluorescent lamp harmonic disruption effect of transformer losses // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 277-280.

Mõlder, H., Vinnal, T., Beldjajev, V. Harmonic losses in induction motors caused by voltage waveform distortions // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 143-148.

Mõlder, H., Vinnal, T., Beldjajev, V. Analysis on AC motor losses due to harmonic levels increase caused by switched capacitor passive power factor correction // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 42-46.

Müür, M., Pettai, E. Analysis of methods and tools for industrial automation engineering // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 88-92.

Notton, A. The genetic systematization of the sandy deposits using their granulometric and mineral composition in Harjumaa County, Estonia // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 300-305.

Notton, A., Sõstra, Ü. The geological perspectives for Paleozoic carbonate raw material mining in Harjumaa County, Estonia // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 53-58.

Orru, M. Physical and chemical properties of Estonian balneological peat // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 140-144.

Ott, S., Roasto, I. Digital signal processor based sinusoidal PWM for voltage source inverters // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 225-228.

Palamar, A., Matsiuk, O., Karpinskyy, M. PhD studies in Ternopil State Ivan Pul'uj Technical University // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 240-243.

Palamar, A., Pettai, E. Microgrid for the Department of Electrical Drives and Power Electronics // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 54-61.

Palamar, A., Pettai, E. Control algorithm for a diesel generator based microgrid in different operation modes // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 89-94.

Palamar, A., Pettai, E., Beldjajev, V. Control system for a diesel generator and UPS based microgrid // Scientific journal of Riga Technical University. Serija 4, Pover and electrical engineering (2010) 27, p. 47-52.

Pastarus, J.-R., Adamson, A., Nikitin, O., Lohk, M. Tagasitäätmisega kaevandamistehnoloogia kontseptsioon // Maapõue kasutamise arengud. Tallinn, 2010. lk. 29-32.

Pirrus, E. Tallinna aluspõhi = Bedrock of Tallinn // Tallinna geoloogia = Geology of Tallinn. Tallinn : Noria Books, 2010. lk. 70-81.

Raesaar, P. Olaf Terno : 17.06.1929–24.08.2009 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 335-337.

Raud, Z. Introducing active exercises into the bachelor courses of electronics // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 174-179.

Raud, Z. Active learning power electronics : a new assessment methodology // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T14-1 - T14-5.

Raud, Z. Improving laboratory training in power electronics // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 152-155.

Raud, Z., Vodovozov, V. Project-based collaborative learning of electrical engineering master students // IEEE EDUCON 2010 Conference : Madrid 2010 : program book. Madrid : IEEE, 2010. p. 382.

Raud, Z., Vodovozov, V. Virtual lab to study power electronic converters [Electronic resource] // SPEEDAM 2010 : International Symposium on Power Electronics, Electrical

Drives, Automation and Motion : Pisa, Italy, 14th–16th June, 2010. [Pisa] : IEEE, 2010. p. 703-708 [CD-ROM].

Raud, Z., Vodovozov, V., Lehtla, T. Flexible curricula for e-learning of SME staff in electronic engineering // 9th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2010) : August 18–20, 2010, Japan. [S.I.] : IEEE, 2010. p. 384-388.

Reinsalu, E. Maapõue seadus võiks käsitleda kogu maapõue // Keskkonnatehnika (2010) 3, lk. 30-31.

Reinsalu, E. Põlevkivi ja selle kasutamine // Maavarade kaevandamine ja puistangute rekultiveerimine Eestis. Tartu : Eesti Maaülikool, 2010. lk. 6-14.

Reinsalu, E. Põlevkivi allmaakaevanduse mõju keskkonnale // Maavarade kaevandamine ja puistangute rekultiveerimine Eestis. Tartu : Eesti Maaülikool, 2010. lk. 267-270.

Reinsalu, E. Maavara pole ainus maa vara // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 4-5.

Reinsalu, E., Gulevitš, J., Eensaar, T., Johanson, J., Malm, I., Marist, I., Ring, M., Romanova, V., Sein, O., Teterin, S., Valling, V., Zaikin, I. Ehitusmaavara maardlate mäerendi võimalikud rendimäärad // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 17-20.

Respondek, P. ; (tlk.) Risthein, E. Kyotost Kopenhaagenini // Elektrala (2010) 3, lk. 18-19.

Risthein, E. Standard elektriseadmete valiku kohta plahvatusohtlikes keskkondades // Elektrala (2010) 3, lk. 16-17.

Risthein, E. 175 aastat rakenduslike elektrialaste uuringute algusest Eestis // Elektrala (2010) 5, lk. 24-25 ; 6, lk. 20-21.

Risthein, E. Jaan Tomson : 12.04.1926–08.03.2009 // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 332-333.

Risthein, E. Uudiseid Eestist // Elektrala (2010) 1, lk. 29 ; 2, lk. 29-30 ; 3, lk. 36 ; 4, lk. 27 ; 5, lk. 28 ; 6, lk. 29 ; 7, lk. 28 ; 8, lk. 28.

Risthein, E. Uudiseid maailmast // Elektrala (2010) 1, lk. 29-30 ; 2, lk. 30-31 ; 3, lk. 36-37 ; 4, lk. 28-29 ; 5, lk. 28-30 ; 6, lk. 29-30 ; 7, lk. 28-30 ; 8, lk. 28-29.

Risthein, E. Tähtpäevi // Elektrala (2010) 1, lk. 31-32 ; 2, lk. 31-32 ; 3, lk. 37-39 ; 4, lk. 29-31 ; 5, lk. 30-31 ; 6, lk. 30-32 ; 7, lk. 31 ; 8, lk. 30-31.

Risthein, E., Uusküla, E. Ajakirja Elektrala eelajaloost // Elektrala (2010) 2, lk. 17-18.

Roasto, I., Vinnikov, D. Analysis and evaluation of PWM and PSM shoot-through control methods for voltage-fed qZSI based DC/DC converters // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T3-100 - T3-105.

Roasto, I., Vinnikov, D., Jalakas, T., Zakis, J., Ott, S. Experimental study of shoot-through control methods for qZSI-based DC/DC converters [Electronic resource] // SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th–16th June, 2010 : proceedings. [Pisa] : IEEE, [2010]. p. 29-34 : [CD-ROM].

Robam, K., Karu, V., Valgma, I., Lind, H. Veerežiimi muutuste modelleerimine füüsilise ja arvutimudeli abil // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 45-48.

Robam, K., Valgma, I. Analysis of water removal parameters in mining sites // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 119-124.

Robam, K., Valgma, I. Niipalju kui torust tuleb (veekõrvaldusest kaevandamisel) // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 32-33.

Robam, K. Jõed, mis saavad alguse kaevandamisest // TalveAkadeemia 2010 : üliõpilaste teadusartiklite konkursi kogumik. Tartu : TalveAkadeemia, 2010. lk. 82-87.

Rosin, A., Höimoja, H., Möller, T., Lehtla, M. Residential electricity consumption and loads pattern analysis // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 111-116.

Rosin, A., Möller, T., Lehtla, M., Höimoja, H. Analysis of household electricity consumption patterns and economy of water heating shifting and saving bulbs // Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering (2010) 27, p. 15-20.

Ruban, J. Review of wireless technologies for the Smart Grid // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 50-53.

Ruban, O. Vertical integration model with Profinet // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 166-169.

\* Sabanov, S. Analysis of technological possibilities increasing quality of oil shale // 30th Oil Shale Symposium, USA, Colorado, October 18–22, 2010. [S.I.], 2010. p. 61.

\* Sabanov, S., Milashevski, I., Beldjaev, V. Sustainable mining under usage modern machines in Estonian oil shales mines // Theory and Practice of Geomechanics for Effectiveness. The Mining Production and the Construction : The 4th International Geomechanics Conference : Bulgaria, 3–6 June 2010. [S.I.], 2010. p. 551-556.

Sabanov, S., Robam, K., Väizene, V. Mäendustegevuse tööstusjäätmete mõju vähendamine keskkonnale Läänemere regioonis – programm MIN-Novation // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 57-58.

Sabanov, S., Šommet, J., Milaševski, I., Baškite, V., Gulevitš, J., Beldjajev, V., Robam, K. Sustainability assessment methods for developing advanced mining technologies // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 74-76.

Shtokalenko, M., Soosalu, H., All, T. Eesti aluskorra plokilise ehituse seos füüsikaliste väljade ja seisnilisusega // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 24-26.

Sokman, K. Maavarade kaevandamise mõju maakasutusele // Maavarade kaevandamine ja puistangute rekultiveerimine Eestis. Tartu : Eesti Maaülikool, 2010. lk. 56-69.

\* Сокман, К. Проблемы водоотлива в горных предприятиях горючих сланцев Эстонии // Проблемы недропользования : Международный форум-конкурс молодых ученых 21–23.04.2010 г. (Сборник научных трудов) II. Санкт-Петербург : Санкт-Петербургский государственный горный институт им. Г.В. Плеханова, 2010. с. 126-128.

Soosalu, H. Globaalsed muutused käivad vulkaanide kannul // Globaalsed muutused. Tartu : Sulemees, 2010. lk. 113-116. (Schola geologica ; 6).

Soosalu, H., Key, J., White, R.S., Knox, C., Einarsson, P., Jakobsdóttir, S.S. Lower-crustal earthquakes caused by magma movement beneath Askja volcano on the north Iceland rift // Bulletin of Volcanology (2010) Vol. 72, 1, p. 55-62.

\* Спунгин, В.Г., Бурчик, В.Н., Пантелеев, Л.С., Сыстра, Ю.Й. Некоторые особенности микросейсмичности локального участка Заонежский (Карелия) // Геоморфологические процессы и их прикладные аспекты : VI Щукинские чтения. Москва : Издательство Московского университета, 2010. с. 224-226.

\* Спунгин, В.Г., Макаров, В.И., Бурчик, В.Н., Сыстра, Ю.Й. Микросейсмичность участка Заонежский (Карелия), ее связь с экзогенными факторами и особенностями геологического строения // Геоэкология. Инженерная геология. Гидрогеология. Геокринология (2010) 6, с. 530-538.

Sõstra, Ü. Bedrock and Quaternary sediment geochemistry and biodiversity in Eastern Fennoscandia and Estonia // Forestry studies = Metsanduslikud uurimused (2010) Vol. 53, p. 35-52.

Sõstra, Ü. Horisontaalsetest ja vertikaalsetest tektoonilistest liikumistest Eesti aluspõhjas // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 20-22.

\* Сыстра, Ю.Й. Тектоника зоны сочленения Русской плиты и Фенноскандинавского щита // Тектоника и геодинамика складчатых поясов и платформ фанерозоя. II. Москва : Российская академия наук, 2010. с. 321-325.

Sõstra, Ü. Geoterminate korrastamise probleemidest // Johannes Aavik 130 : konverents "Sada aastat hiljem: keeleuuenduse poolt ja vastu" : 20. novembril 2010 : ettekannete teesid. [Tallinn] : Johannes Aaviku Selts, 2010. lk. 13-14.

\* Šommet, J. Influence of extraction methods on the raw material physic-mechanical properties of fillers // EUROCK 2010 : Rock Mechanics in Civil and Environmental Engineering. [S.l.] : CRC Press, 2010. p. 841-843.

Šommet, J., Pastarus, J.-R. Lubjakivikillustiku kaevandamise jätkusuutlikkusest // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 49-51.

\* Шоммет, Ю., Сабанов, С., Пастарус, Ю.-Р. Analyses of crushed limestone quality developed by different methods for conditions of sustainable mining // Проблемы недропользования / Санкт-Петербургский Государственный горный институт (2010) 189, 1, с. 133-135.

Šommet, J. Limestone macadam quality dependence of an extraction kind // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 116-118.

Zakis, J., Vinnikov, D., Laugis, J., Rankis, I. Feasibility study of flexible systems for reactive power compensation // Технічна електродинаміка (2010) 2, p. 16-21.

Zakis, J., Vinnikov, D., Roasto, I. Soft-switching capability analysis of a qZSI-based DC/DC converter // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 301-304.

Zakis, J., Vinnikov, D., Roasto, I., Jalakas, T. Practical design guidelines of qZSI based step-up DC/DC converter // Scientific journal of Riga Technical University. Serija 4, Pover and electrical engineering (2010) 27, p. 107-114.

Zakis, J., Vinnikov, D., Roasto, I., Strzelecki, R. Design guidelines of new step-up DC/DC converter for fuel cell powered distributed generation systems // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 33-41.

Taklaja, P., Oidram, R. The study about indefinite fault causes in Estonian 110 kV power grid // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 177-182.

Tammoja, H. Elektroenergeetikaalased teadusuuringud Eestis // Elektriala (2010) 2, lk. 5.

Teemets, R. Valgustehnika teadus- ja arenduskeskus loodud // Elektrala (2010) 4, lk. 24.

Tohver, T. Oil shale waste rock aggregate properties which are depending on content of oil shale // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 59-62.

Tohver, T. Utilization of waste rock from oil shale mining // Oil shale (2010) Vol. 27, 4, p. 321-330.

\* Tohver, T. Fine aggregates produced from oil shale mining waste rock for backfilling the mined areas // Проблемы недропользования / Санкт-Петербургский Государственный Горный Институт (2010) 189, 1, с. 104-106.

\* Tšernobrovkin, O., Perdana, A., Palu, I., Kilter, J. Validation of full-converter wind power plant generic model based on actual fault ride-through measurements // Journal of energy and power engineering (2010) Vol. 4, 4, p. 54-62.

Tšurkina, N. About evaluation of teaching effectiveness in Tallinn Polytechnic School // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 156-157.

Valgma, I. Kust ja kuidas kaevandada? // XVIII aprillikonverentsi "Eesti maapõu ja selle arukas kasutamine" teesid. Tallinn : Eesti Geoloogiakeskus, 2010. lk. 12-13.

Valgma, I., Kolats, M., Karu, V. Streki toestamine põlevkiviaherainebetooniga // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 33-38.

Valgma, I., Reinsalu, E., Sabanov, S., Karu, V. Quality control of oil shale production in Estonian mines // Oil shale (2010) Vol. 27, 3, p. 239-249.

Valgma, I., Robam, K., Karu, V., Kolats, M., Väizene, V., Otsmaa, M. Potential of underground minewater in Estonian oil shale mining region // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 63-68.

Valgma, I., Västrik, A., Köpp, V. Sustainable mining technologies for Estonian minerals industry // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 69-73.

\* White, R.S., Drew, J., Martens, H.R., Eilon, Z., Soosalu, H., Key, J., Jakobsdóttir, S. Anatomy of dyke intrusion at 15-18 km depth beneath Upptyppingar, north Iceland // British Geophysical Association New Advances in Geophysics Meeting "Magma Emplacement and Storage in the Earth's Crust", London, 11–12 February 2010. [London, 2010].

\* White, R.S., Drew, J., Martens, H.R., Key, J., Soosalu, H., Jakobsdottir, S. Imaging lower crustal intrusion in Iceland using microseismics // American Geophysical Union Fall Meeting, 13.–17.12.2010. [S.l.], 2010. p. V21F-08.

Viiil, A. Katendi eemaldamine ja tehniline rekultiveerimine põlevkivikarjäärides // Maavarade kaevandamine ja puistangute rekultiveerimine Eestis. Tartu : Eesti Maaülikool, 2010. lk. 70–104.

\* Vinnal, T., Janson, K., Kalda, H. Power losses in induction motors in relation to supply voltage quality // PCIM 2010 Power Electronics, Intelligent Motion, Power Quality : Nuremberg, Germany, 4–6 May 2010. Berlin : VDE Verlag GMBH, 2010. p. 636–642.

Vinnal, T., Janson, K., Kalda, H., Kütt, L. Analyses of supply voltage quality, power consumption and losses affected by shunt capacitors for power factor correction // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 53–60.

Vinnal, T., Kalda, H., Mölder, H. Harmonic voltages and currents in LV industrial power systems, shunt capacitors and additional power losses // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 47–52.

Vinnikov, D., Roasto, I., Jalakas, T. Comparative study of capacitor-assisted extended boost qZSIs operating in continuous conduction mode // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 297–300.

Vinnikov, D., Roasto, I., Jalakas, T., Lehtla, T., Laugis, J. New fuel cell power conditioning system for supplying dedicated loads // 2010 9th International Conference on Environment and Electrical Engineering : Prague, Czech Republic, 16–19 May 2010. Prague : IEEE, 2010. p. 341–344.

Vinnikov, D., Roasto, I., Strzelecki, R., Adamowicz, M. Performance improvement method for the voltage-fed qZSI with continuous input current // MELECON 2010 : the 15th IEEE Mediterranean Electrotechnical Conference : 25th–28th April 2010, Malta : book of abstracts. [Malta], 2010. p. 135.

Vinnikov, D., Roasto, I., Strzelecki, R., Adamowicz, M. Two-stage quasi-Z-source network based step-up DC/DC converter // ISIE 2010 : IEEE International Symposium on Industrial Electronics : Bari, Italy, 4–7 July 2010. [Bari], 2010. p. 1143–1148.

Vinnikov, D., Roasto, I., Zakis, J. Mathematical models of cascaded quasi-impedance source converter // Технічна електродинаміка (2010) 1, p. 59–64.

Vinnikov, D., Roasto, I., Zakis, J. New bi-directional DC/DC converter for supercapacitor interfacing in high-power applications // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T11-38 - T11-43.

Vinnikov, D., Strzelecki, R. Title: Models of the qZ-Converters // Przeglad elektrotechniczny (2010) Vol. 86, 6, p. 80-84.

Vinnikov, D., Strzelecki, R., Zakis, J., Roasto, I. New step-up DC/DC converter for fuel cell powered distributed generation systems: some design guidelines // Przeglad elektrotechniczny (2010) Vol. 86, 8, p. 245-252.

Vodovozov, V., Lehtla, T., Laugis, J. Student assessment in engineering education // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 145-151.

Vodovozov, V., Raud, Z. A toolbox to design and study mechatronic systems // Proceedings of the 29th IASTED International Conference on Modelling, Identification and Control (MIC 2010) : February 15–17, 2010 Innsbruck, Austria. [Innsbruck], 2010. p. 276-283. [CD-ROM].

Vodovozov, V., Raud, Z., Egorov, M. A toolbox to design and study electric drives // EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6–8 September 2010, Ohrid, Republic of Macedonia. [Ohrid] : IEEE, 2010. p. T5-142 - T5-148.

Vodovozov, V., Raud, Z., Lehtla, T. Engineering education : problems, tendencies and solutions // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 166-173.

Väli, E. The size distribution and calorific value regulation possibility with surface continuous miner wirtgen 2500 sm in Narva oil shale open pit condition // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 296-299.

Västrik, A. Eessõna // Maapõue kasutamise arengud. Tallinn : Eesti Mäeselts, 2010. lk. 5.

## INFOTEHNOLOOGIA TEADUSKOND

### Raamatud

Ellervee, P., Jervan, G. (eds.) Analog integrated circuits and signal processing. Volume 64, number 3, Special issue on selected papers from NORCHIP 2008. [S.I.] : Springer, 2010. p. 213-280.

Ellervee, P., Jervan, G. (eds.). Microprocessors and microsystems : MICPRO : embedded hardware design. Volume 34, issue 5, Special issue on selected papers from NORCHIP 2008. Amsterdam : Elsevier, 2010. p. 115-162.

Gašević, D., Guizzardi, G., Taveter, K., Wagner, G. (eds.). Information systems. Vol. 35, Iss. 4, Vocabularies, Ontologies and Rules for Enterprise and Business Process Modeling and Management. Amsterdam : Elsevier, 2010. p. 375-528.

Joasoon, E. The Tactile Feedback Device for multi-touch user interfaces. Tallinn : TUT Press, 2010. 106 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 55).

Jürgenson, A. Efficient semantics of parallel and serial models of attack trees. Tallinn : TUT Press, 2010. 158 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 54).

Krivošei, A. Decomposition of the electrical bio-impedance signal : a signal model based method for separation of the cardiac and respiratory components. Saarbrücken : Lambert Academic Publishing, 2010. 108 p.

Mõtus, L., Meriste, M., Preden, J.-S. (eds.). Research Laboratory for Proactive Technologies : Department of Computer Control, Tallinn University of Technology : annual report 2009. Tallinn, 2010. 102 p.

Mõtus, L., Varlamova, G. (comp.). Estonian Academy of Sciences year book 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. 191, [2] p. (Estonian Academy of Sciences year book ; XV (42)).

Mõtus, L., Varlamova, G. (koost.). Eesti Teaduste Akadeemia aastaraamat 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. 262, [1] lk. (Eesti Teaduste Akadeemia aastaraamat ; XV (42)).

Pokatilov, A. Standard for voltage unit : development of national standard for voltage unit based on solid-state references. Saarbrücken : Lambert Academic Publishing, 2010. 55 p.

Preden, J.-S. Enhancing situation-awareness, cognition and reasoning of ad-hoc network agents. Tallinn : TUT Press, 2010. 200 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 56).

Rannaste, A. Hierarchical test pattern generation and untestability identification techniques for synchronous sequential circuits. Tallinn : TUT Press, 2010. 128 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 58).

Rist, M. Method and device for measurement of impedance of lithium-ion cells : design proposal for hand-held electrochemical impedance spectroscopy measurement device. Saarbrücken : Lambert Academic Publishing, 2010. 96 p.

Toompuu, J. Investigation of P-i-n GaAs structures by DLTS method : the deep level transient spectroscopy in application to GaAs p-i-n structures for identification of deep levels. Saarbrücken : Lambert Academic Publishing, 2010. 148 p.

Uustalu, T., Vain, J. (eds.) The journal of logic and algebraic programming. Vol. 79, iss.7, special issue on the 20th Nordic Workshop on Programming Theory, NWPT 2008. Amsterdam : Elsevier, 2010. p. 435-703.

### Artiklid

Akanyeti, O., Ernits, A., Fiazza, M.-C., Toming, G., Kulikovskis, G., Listak, M., Raag, R., Salumae, T., Fiorini, P., Kruusmaa, M. Myometry-driven compliant-body design for underwater propulsion // IEEE International Conference on Robotics and Automation : ICRA 2010 : Anchorage, Alaska, USA, 3–7 May 2010. [S.I.] : IEEE, 2010. p. 84-89.

Anier, A., Vain, J. Timed automata based provably correct robot control // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 201-204.

Arnaiz, A., Iung, B., Adgar, A., Näks, T., Tohver, A., Tommingas, T., Levrat, E. Information and communication technologies within e-maintenance // E-maintenance. Berlin : Springer, 2010. p. 39-60.

Artemchuk, I., Petlenkov, E., Miyawaki, F., Gladki, A. Neural network based system for real-time organ recognition by analysis of sequence of endoscopic images received during surgical operation // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 349-352.

Astrov, I., Pedai, A. Enhanced situational awareness for AUV's stochastic model by multirate neural control // SysCon 2010 Proceedings : 2010 IEEE International Systems Conference (SysCon 2010), San Diego, California, USA, April 5–8, 2010. [S.I.] : IEEE, 2010. p. 66-70.

Astrov, I., Pedai, A. Flight control of a trirotor mini-UAV for enhanced situational awareness // Proceedings of the World Academy of Science, Engineering and Technology (2010) Vol. 69, p. 271-277.

\* Astrov, I., Pedai, A. Flight control of a trirotor mini-UAV for enhanced situational awareness [Electronic resource] // ICAAE 2010 CD-ROM Proceedings : International Conference on Aeronautical and Astronautical Engineering : Amsterdam, Netherlands, September 28–29, 2010. [S.I.] : WASET, 2010. p. 316-322 [CD-ROM].

Astrov, I., Pedai, A. Motion control of X4-flyer for enhanced situational awareness // Latest trends on systems : 14th WSEAS International Conference on Systems : Greece, July 22–24. Vol. 1. [S.I.] : WSEAS, 2010. p. 123-128. (Mathematics and computers in science engineering : a series of reference books and textbooks).

Astrov, I., Pedai, A. Multirate neural control for AUV's increased situational awareness during diving tasks using stochastic model // Proceedings of the World Academy of Science, Engineering and Technology (2010) 72, p. 337-343.

\* Astrov, I., Pedai, A. Multirate neural control for AUV's increased situational awareness during diving tasks using stochastic model // ICMISE 2010 CD-ROM proceedings : International Conference on Machine Intelligence and Systems Engineering : Singapore, December 18–20, 2010. [S.I.] : WASET, 2010. p. 214-220 [CD-ROM].

Astrov, I., Pedai, A. Multirate depth control of an AUV by neurocontroller for enhanced situational awareness // Advances in Computational Intelligence, Man-Machine Systems and Cybernetics. [S.I.] : WSEAS, 2010. p. 21-26.

Astrov, I., Pedai, A. Situational awareness based flight control of a three-rotor mini-aircraft // New aspects of automatic control, modelling and simulation. [S.I.] : WSEAS, 2010. p. 71-76. (Electrical and computer engineering series, a series of reference books and textbooks).

Astrov, I., Pedai, A., Rüstern, E. Desired trajectory generation of a quadrotor helicopter using hybrid control for enhanced situational awareness // Proceedings of the 2010 IEEE International Conference on Information and Automation : June 20–23, Harbin, China. [S.I.] : IEEE, 2010. p. 1003-1007.

Berdnikova, J. A practical approach to cognitive sonar performance modeling // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : Tallinna Tehnikaülikool], 2010. lk. 83-87.

Berdnikova, J., Kozhevnikov, V., Zamarajev, J., Raja, A. Advanced forward-looking sonar and imagery data processing // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 4, p. 55-58.

Berdnikova, J., Ruuben, T., Müürsepp, I., Lossmann, E. Resolution and Doppler tolerance of cognitive system waveforms // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 7, p. 101-104.

Bilinskis, I., Sudars, K., Min, M., Annus, P. Advantages and limitations of an approach to bioimpedance data acquisition and processing relying on fast low bit rate ADCs // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 245-248.

Cahill, B., Giannitsis, A., Land, R., Gastrock, G., Pliquett, U., Frense, D., Min, M., Beckmann, D. Reversible electrowetting on silanized silicon nitride // Sensors and actuators B. Chemical (2010) Vol. 144, p. 380-386.

Eessaar, E. A UML profile for developing databases that conform to the third Manifesto // Innovations in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 69-74.

Eessaar, E., Sgirka, R. A database-based and web-based meta-CASE system // Advanced techniques in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 379-384.

Eessaar, E., Sgirka, R. A SQL database based meta-CASE system and its query subsystem // Innovations in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 57-62.

Fiazza, C., Salumäe, T., Listak, M., Kulikovskis, G., Templeton, R., Akanyeti, O., Megill, W., Fiorini, P., Kruusmaa, M. Biomimetic mechanical design for soft-bodied underwater vehicles // IEEE OCEANS : Sydney, 24–27 May 2010. [S.I.] : IEEE, 2010. [7] p.

Gašević, D., Guizzardi, G., Taveter, K., Wagner, G. Vocabularies, ontologies, and rules for enterprise and business process modeling and management // Information systems (2010) Vol. 35, 4, p. 375-378.

Giannitsis, A.T., Min, M. Fabrication methods for microfluidic lab-on-chips // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 69-72.

Giannitsis, A.T., Min, M. Usage of microfluidic lab-on-chips in biomedicine // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 249-252.

\* Gordon, R., Zorkova, V., Min, M., Rätsep, I. Visualizing transplanted muscle flaps using minimally invasive multi-electrode bioimpedance spectroscopy // The XIVth International Conference on Electrical Bioimpedance and the 11th Conference on Biomedical Applications of EIT, Gainesville - Florida, Apr. 4–8, 2010. Gainesville : ISEBI, 2010. [4] p.

Gordon, R., Zorkova, V., Min, M., Rätsep, I. Visualizing transplanted muscle flaps using minimally invasive multi-electrode bioimpedance spectroscopy // Journal of physics : conference series (2010) Vol. 224, 1, p. 012103.

Gorev, M., Ellervee, P. FPGA based system for video compression and transmission over bluetooth // 53rd IEEE International Midwest Symposium on Circuits and Systems : Seattle, Washington, USA, August 1–4, 2010 : proceedings. Seattle : IEEE, 2010. p. 367-370.

Gorev, M., Ellervee, P. Variable byte-length data compression algorithm // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 353-356.

Gorev, M., Pesonen, V., Ellervee, P. Introducing computer systems related topics in the first study semester // Proceedings of the 8th European Workshop on Microelectronics

Education : EWME 2010 : Darmstadt, Germany, 10–12 May 2010. Darmstadt, 2010. p. 185-188.

Gorev, M., Pesonen, V., Mihailov, D. FPGA-based implementation of EEG analyzer for detection of depressive disorder // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : Tallinna Tehnikaülikool], 2010. lk. 69-72.

Haav, H.-M., Kaljuvee, A., Luts, M., Vajakas, T. Ontology-based development of location based services // Databases and Information Systems : proceedings of the Ninth International Baltic Conference, Baltic DB&IS 2010 : Riga, Latvia, July 5–7, 2010. Riga : University of Latvia Press, 2010. p. 11-26.

Hantson, H., Raik, J., Jenihhin, M., Chepurov, A., Ubar, R., Guglielmo, G., Fummi, F. Mutation analysis with high-level decision diagrams // LATW2010 : 11th Latin-American TestWorkshop, March 28–31, 2010, Punta del Este, Uruguay. [S.I.] : IEEE, 2010. [6] p. [CD-ROM].

Henno, J. On structure of games // Information modelling and knowledge bases XXI. Amsterdam : IOS Press, 2010. p. 344-361. (Frontiers in artificial intelligence and applications ; 206).

\* Henno, J. Specification of games // Proceedings of the 20th European-Japanese Conference on Information Modelling and Knowledge Bases : Jyväskylä, Finland, May 31–June 4, 2010. Jyväskylä, 2010. p. 234-256. (Reports of the Department of Mathematical Information Technology. Series A, Collections).

Henno, J., Jaakkola, H. Creating "Creative Class" // MIPRO 2010 : 33rd International Convention on Information and Communication Technology, Electronics and Microelectronics : May 24–28, 2010 Opatija, Croatia : proceedings. [Opatija] : IEEE, 2010. p. 803-806.

\* Hunt, A., Chen, Z., Tan, X., Kruusmaa, M. Control of an inverted pendulum using an ionic polymer-metal composite actuator // IEEE/ASME Transactions in Mechatronics : 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : July 6–9, 2010, Montréal, Canada. [S.I.] : IEEE, 2010. p. 163-168.

Ivask, E., Devadze, S., Ubar, R. Collaborative distributed fault simulation for digital electronic circuits // Intelligent Distributed Computing IV : proceedings of the 4th International Symposium on Intelligent Distributed Computing - IDC 2010 : Tangier, Morocco, September 2010. [S.I.] : Springer, 2010. p. 67-76. (Studies in Computational Intelligence ; Volume 315).

Ivask, E., Devadze, S., Ubar, R. Collaborative distributed computing in the field of digital electronics testing // Balanced Automation Systems for Future Manufacturing Networks : 9th IFIP WG 5.5 International Conference : BASYS 2010 : Valencia, Spain, July 21–23, 2010 : proceedings. [S.I.] : Springer, 2010. p. 145-152. (IFIP Advances in Information and Communication Technology ; Vol. 322).

\* Ivask, E., Devadze, S., Ubar, R. Distributed approach for parallel exact critical path tracing fault simulation // International journal of microelectronics and computer science (2010) Vol. 1, 2, p. 165-174.

Ivask, E., Devadze, S., Ubar, R. Distributed approach for parallel exact critical path tracing fault simulation // MIXDES 2010 : 17th International Conference "Mixed Design of Integrated Circuits and Systems" : June 24–26, 2010, Wroclaw, Poland. [S.I.] : IEEE, 2010. p. 471-476.

Jaakkola, H., Henno, J., Linna, P. Software development in a multicultural context : adaptive and learning organizations // MIPRO 2010 : 33rd International Convention on Information and Communication Technology, Electronics and Microelectronics : May 24–28, 2010 Opatija, Croatia : proceedings. [Opatia] : IEEE, 2010. p. 789-797.

Jaakkola, H., Uusitalo, O., Henno, J. IS integration and enterprise migration – adaptation in global context // International journal of intelligent defence support systems : (IJIDSS) (2010) Vol. 3, 1/2, p. 78-83.

Jaanus, M., Kukk, V., Umbleja, K. Integrating labs into learning environment // Elektronika ir elektrotehnika = Electronics and electrical engineering (2010) 6, p. 27-30.

\* Jenihhin, M., Raik, J., Fujiwara, H., Ubar, R., Viilukas, T. An approach for verification assertions reuse in RTL test pattern generation // Proceedings of the IEEE 11th Workshop on RTL and High Level Testing (WRTL'10) : Shanghai, China, December 5–6, 2010. [S.I.], 2010. [6] p.

Jenihhin, M., Raik, J., Tsepurov, A., Ubar, R.-J. Application of high-level decision diagrams for simulation-based verification tasks // Estonian journal of engineering (2010) Vol. 16, 1, p. 56-77.

Jenihhin, M., Raik, J., Ubar, R., Shchenova, T. An approach for PSL assertion coverage analysis with high-level decision diagrams // Proceedings of IEEE East-West Design & Test Symposium (EWDTS'10) : St. Petersburg, Russia, September 17–20, 2010. Kharkov : Kharkov National University of Radioelectronics, 2010. p. 13-16.

Jervan, G. Doktoriõppe arengud ja kitsaskohad // A & A (2010) 4, lk. 6-9.

Joasoon, E., Henno, J. Kompeaistingu kasutamine arvuti sisend-väljundliideses // A & A (2010) 4, lk. 16-26.

Juurma, M., Ehala, J., Tamre, M. Design of passive Bokode marker // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 131-133.

Kangilaski, T. Challenges for SMEs entering into the virtual organization partner network // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 352-357.

Kangilaski, T. Communication as a crucial element for enterprise architecture management in virtual organization // Enterprise Architecture, Integration and Interoperability : IFIP TC 5 International Conference, EA2N 2010 held as part of WCC 2010 : Brisbane, Australia, September 20–23, 2010 : proceedings. Berlin : Springer, 2010. p. 66-77.

Kangilaski, T. Enterprise architecture management in virtual organization // IEEE-ICIT 2010 International Conference on Industrial Technology : Viña del Mar, Chile, 14–17 March, 2010. Viña del Mar : IEEE, 2010. p. 1032-1037.

Karputkin, A., Ubar, R.-J., Raik, J., Tombak, M. Canonical representations of high-level decision diagrams // Estonian journal of engineering (2010) Vol. 16, 1, p. 39-55.

Kasemaa, A., Annus, P. CMOS technology based current source with harmonic reducing properties // Elektronika ir elektrotehnika = Electronics and electrical engineering (2010) 10, p. 143-146.

Kasemaa, A., Rang, T. Low power CMOS current source for shortened square wave signals // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 89-92.

Kirikal, K., Taveter, K. Analysis and categorization of enterprises for agent-based automation // 2010 19th IEEE International Workshop on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE) : proceedings : Larissa, Greece, June 28–30, 2010. [S.I.] : IEEE, 2010. p. 29-34.

Koel, A., Rang, T., Rang, G. Complementary multi guard ring JBS structures: numerical analysis // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 85-88.

Konovalov, R., Kumlander, D. Using clinical decision support software in health insurance company // Advanced techniques in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 223-226.

Kostin, S., Ubar, R., Raik, J. Macro level defect-oriented diagnosability of digital circuits // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 149-152.

Kostin, S., Ubar, R., Raik, J. Macro level defect-oriented diagnosability of digital circuits // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Eesti mõis. [Tallinn : TTÜ], 2010. lk. 53-56.

Kruus, H., Ubar, R., Raik, J. Defect-oriented BIST quality analysis // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 153-156.

Kruus, M., Jervan, G. IKT haridus ülikoolides läbi TTÜ arvutitehnika instituudi vaateprisma // Arvutimaailm (2010) 5, lk. 8-9.

\* Kukk, V., Jaanus, M., Umbleja, K., Shvets, O. Developing integrated learning environment – analysis // International Conference on Engineering Education : ICEE 2010 : Poland, Gliwice 18.07.–22.07.2010. Gliwice, 2010.

Kumlander, D. Semi- and fully self-organised teams // Advanced techniques in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 257-261.

Kumlander, D. Towards a new paradigm of software development: an ambassador driven process in distributed software companies // Advanced techniques in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 487-490.

Kumlander, D. Context driven personalized e-learning environment provided as a state service // Technological developments in networking, education and automation. Dordrecht : Springer, 2010. p. 43-48.

Kumlander, D. Contextual semantic : a context-aware approach for semantic web based data extraction from scientific articles // Innovations in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 241-244.

Kumlander, D. Motivating company personnel by applying the semi-self-organized teams principle // Innovations in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 245-248.

Kumlander, D. Some practical payments clearance algorithms // Advanced techniques in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 307-312.

Kumlander, D. E-education as a state service to citizens of different ages // Technological developments in education and automation. Dordrecht : Springer, 2010. p. 461-466.

Kuusik, A., Reilent, E., Lööbas, I., Parve, M. Semantic formal reasoning solution for personalized home telecare // Proceedings of 2010 International Conference on Mechanical and Electrical Technology (ICMET 2010) : Singapore, September 10–12, 2010. Chengdu : IEEE Operations Center, 2010. p. 72-76.

Kuusik, A., Reilent, E., Lööbas, I., Parve, M. Software architecture for modern telehome care systems // Proceedings of the 6th International Conference on Networked Computing (INC 2010) : Gyeongju, Korea, May 11–13, 2010. [S.I.] : IEEE, 2010. p. 326-331.

Kuusik, R., Lind, G. Some developments of determinacy analysis // Advanced Data Mining and Applications : the 6th International Conference ADMA2010 : Chongqing, China,

November 19–21, 2010 : proceedings. Part I. Berlin : Springer, 2010. p. 593-602. (Lecture Notes in Computer Science, Vol. 6440).

Kääramees, M., Vain, J., Raiend, K. Model-based synthesis of reactive planning on-line testers for non-deterministic embedded systems // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 189-192.

Kääramees, M., Vain, J., Raiend, K. Synthesis of on-line planning tester for non-deterministic EFSM models // Testing – Practice and Research Techniques : 5th International Academic and Industrial Conference TAIC PART 2010 : Windsor, UK, September 3–5, 2010 : proceedings. Berlin : Springer, 2010. p. 147-154. (Lecture notes in computer science ; 6303).

Leis, P. Pilve kuupmudelist // A & A (2010) 2, lk. 3-4.

Leis, P. Pilvtestimisest // A & A (2010) 3, lk. 3-4.

Leis, P. Miks on tarkvarainseneerias vaja Kanbani? // A & A (2010) 1, lk. 3-5.

\* Lepmets, M., Nael, M. Comparison of plan-driven and agile project management approaches : theoretical bases for a case study in Estonian software industry // Databases and Information Systems : proceedings of the Ninth International Baltic Conference : Baltic DB&IS 2010 : Riga, Latvia, July 5–7, 2010. Riga : University of Latvia Press, 2010. p. 473-486.

\* Liiv, I. Towards information-theoretic visualization evaluation measure: a practical example for Bertin's matrices // Proceedings of the ACM CHI (ACM Conference on Human Factors in Computing Systems) 2010 Conference : April 10–11, 2010, Atlanta, GA, US. [Atlanta] : ACM, 2010.

Liiv, I. Seriation and matrix reordering methods : an historical overview // Statistical analysis and data mining (2010) Vol. 3, 2, p. 70-91.

Liiv, I. Mustrite avastamine kasutades järjestamist ning maatriksi ümberkorrapastamist : unifitseeritud vaade, edasiarendused ning rakendus ladude juhtimises // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 205-207.

Lints, T. How to facilitate variability // Artificial life XII : proceedings of the Twelfth International Conference on the Synthesis and Simulation of Living Systems. [S.I.] : MIT Press, 2010. p. 569-576.

Lints, T. Coordination issues in modular systems // 4th Annual IEEE Systems Conference : San Diego, CA, April 5–8, 2010. [S.I.] : IEEE, 2010. p. 202-206.

Lints, T. Diversity issues in adaptive modular systems // 4th Annual IEEE Systems Conference : San Diego, CA, April 5–8, 2010. [S.I.] : IEEE, 2010. p. 207-210.

Lints, T. The essentials of defining adaptation // 4th Annual IEEE Systems Conference : San Diego, CA, April 5–8, 2010. [S.I.] : IEEE, 2010. p. 113-116.

Lints, T. The concept of adaptation // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 61-64.

Luczkowski, T. Dreamlineri näitus... // Tehnikamaailm (2010) 9, lk. 74-77.

Luczkowski, T. Tõusva lennukiehituse maa // Tehnikamaailm (2010) 1, lk. 58-59, 61.

Luczkowski, T. Red Bull võttis aja maha // Tehnikamaailm (2010) 10, lk. 86-87.

Luczkowski, T. Kopterile kiirust juurde // Tehnikamaailm (2010) 11, lk. 76-77.

Markvardt, M. Meie igapäevane testimine // A & A (2010) 3, lk. 5-11.

Markvardt, M. Mudelipõhine testimine : kas teoreetikute näpuharjutus või testimise homne päev? // A & A (2010) 3, lk. 48-56.

Markvardt, M. Tarkvara testimisest ja testijatest Eestis // A & A (2010) 3, lk. 62-65.

\* Matskin, M., Haverin, J., Roning, J., Vain, J. Cloud computing with robots: does it make sense? // MDA4ServiceCloud'10 : Modeling, Design, and Analysis for the Service Cloud. [S.I.], 2010. [2] p. (A CEA LIST Publication).

Meister, A. Vladimir Heinrichsen : 04.01.1929–29.01.2009 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 330-331.

Meister, M.-A., Lossmann, E. Rakenduslikud monitooringud lühilaine spektrialas // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 73-76.

Meister, M.-A., Lossmann, E., Madar, U. Results of the practical research for HF communications in Estonia // HF 10 : Nordic Shortwave Conference : 17–19 August 2010, Farö, Sweden : conference proceedings. Farö, 2010. p.4.2.1-4.1.10.

Mikhailov, D., Sklyarov, V., Skliarova, I., Sudnitsõn, A. Application-specific hardware accelerator for implementing recursive sorting algorithms // Proceedings of the IEEE International Conference on Field Programmable Technology (FPT'10) : Beijing, China Dec. 8–10, 2010. [S.I.] : IEEE, 2010. p. 269-272.

Mikhailov, D., Sklyarov, V., Skliarova, I., Sudnitsõn, A. Hardware implementation of recursive algorithms // 53rd IEEE International Midwest Symposium on Circuits and Systems : Seattle, Washington, USA, August 1–4, 2010 : proceedings. Seattle : IEEE, 2010. p. 225-228.

Mikhailov, D., Sklyarov, V., Skliarova, I., Sudnitsõn, A. Optimization of FPGA-based circuits for recursive data sorting // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 129-132.

Mikhailov, D., Sklyarov, V., Skliarova, I., Sudnitsõn, A. Optimization of recursive sorting algorithms for implementation in hardware // Proceedings of 22nd International Conference on Microelectronics (ICM 2010) : Cairo, Egypt, Dec. 19–22, 2010. [S.I.] : IEEE, 2010. p. 471-474.

Mikhailov, D., Sklyarov, V., Skliarova, I., Sudnitsõn, A. Parallel FPGA-based implementation of recursive sorting algorithms // 2010 International Conference on Reconfigurable Computing and FPGAs (ReConFig 2010) : Cancun, Mexico, December 13–15, 2010. [S.I.] : IEEE, 2010. p. 121-126.

Mikhailov, D., Sudnitsõn, A., Tarletski, K. Web-based tool for FSM encoding targeting low-power FPGA implementation // 2010 27th International Conference on Microelectronics : MIEL 2010 : Niš, Serbia, 16–19 May 2010 : proceedings. Niš : IEEE, 2010. p. 349-352.

Mikhailov, D., Sudnitsõn, A., Kruus, M. Project-oriented approach to low-power topics in advanced digital design course // Elektronika ir elektrotehnika = Electronics and electrical engineering (2010) 6, p. 151-154.

Min, M. Euromüntide ehtsusest // Horisont (2010) 4, lk. 6.

Min, M. Ahaa! Ohoo! – innovatsioonist ja muustki // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 237-239.

Min, M. Editorial // Estonian journal of engineering (2010) Vol. 16, 1, p. 3-4.

Min, M., Land, R., Paavle, T., Parve, T., Annus, P. Broadband spectroscopy of a dynamic impedance // Journal of physics : conference series (2010) Vol. 224, 1, p. 012109.

Mironov, D., Ubar, R., Devadze, S., Raik, J., Jutman, A. Structurally synthesized multiple input BDDs for speeding up logic-level simulation of digital circuits // 13th Euromicro Conference on Digital System Design : Architectures, Methods and Tools : DSD 2010 : Lille, France, 1–3 September 2010 : proceedings. Los Alamitos : IEEE, 2010. p. 658-663.

Moorits, E., Jervan, G. Low resource demanding FOTA method for remote AtoN site equipment // OCEANS 2010 : Seattle, Washington, USA, September 20–23, 2010. [S.I.] : IEEE, 2010. [5] p.

\* Mägi, T., Elmik, L. Archival Information System (data warehouse) for hospital // 8th European Conference on Digital Archiving : 28–30.04.2010 International Conference Centre Geneva, Switzerland. 1. Geneva, 2010. p. 115.

Männi, U. Smart sensing and Time of Arrival based location detection in Parking Management Services // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 213-214.

Märtens, O., Reidla, M., Saar, T. Simple DSP interface for impedance spectroscopy of piezosensors // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 343-344.

Märtens, O., Saar, T., Min, M., Land, R., Reidla, M. Fast impedance spectroscopy of piezosensors for structural health monitoring // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 7, p. 31-34.

Märtens, O., Saar, T., Reidla, M. Study of various excitation and reference signals for pulsed correlation-based ultrasound signal processing // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 9, lk. 89-92.

\* Märtens, O., Saar, T., Reidla, M. TMS320F28335-based piezosensor monitor-node // EDERC2010 European DSP in Education and Research Conference : proceedings, (Nice, France, Dec 1–2, 2010). [S.l.] : IEEE, 2010. p. 62-65.

Müürsepp, I. Robust energy detector for cognitive radio // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], [2010]. lk. 113-116.

Müürsepp, I. Tuuleenergeetika mõju vähendamine riiklikele julgeolekule ning lennu- ja laevaliikluse ohutusele // TalveAkadeemia 2010 : üliõpilaste teadusartiklite konkursi kogumik. Tallinn, Tartu : TalveAkadeemia, 2010. lk. 96-101.

Müürsepp, I., Berdnikova, J., Ruuben, T., Madar, U. Probe signals with nonrectangular envelope // Elektronika ir elektrotechnika = Electronics and Electrical Engineering (2010) 5, p. 99-102.

Nõmm, S., Leibak, A., Vain, J., Miyawaki, F. Application of volume bounding box decomposition for surgeon's hand gestures recognition // IECON 2010 : 36th Annual Conference on IEEE Industrial Electronics Society : Glendale, Arizona, USA, 07–10 November, 2010 : proceedings. [Glendale] : IEEE, 2010. p. 1076-1080.

\* Nõmm, S., Leibak, A., Vain, J., Miyawaki, F. Application of volume bounding box decomposition for surgeon's hand gestures recognition // Abstracts IECON 2010 - ICELIE 2010 : 36th Annual Conference of the IEEE Industrial Electronics Society, 4th International Conference on E-Learning in Industrial Electronics, IES Industry Forum 2010 : Arizona, USA, 7–10 November 2010. Glendale : IEEE, 2010. p. 102.

Ojarand, J., Annus, P., Land, R., Parve, T., Min, M. Nonlinear chirp pulse excitation for the fast impedance spectroscopy // Elektronika ir elektrotehnika = Electronics and electrical engineering (2010) 4, p. 73-76.

Paavle, T., Min, M., Ojarand, J., Parve, T. Short-time chirp excitations for using in wideband characterization of objects : an overview // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 253-256.

Parm, K., Nõmm, S., Vain, J. Application of bidding automata for measuring the informativeness of hand motion characteristic features // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 205-208.

Pesonen, V., Gorev, M., Annus, P., Min, M., Ellervee, P. Reconfigurable data acquisition unit for bioimpedance measurements // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 257-260.

Pesonen, V., Gorev, M., Annus, P., Min, M., Ellervee, P. Reprogrammable data acquisition unit to reduce aliasing effect in bioimpedance measurements // The 7th Annual FPGA World Conference, Copenhagen, Denmark, 6 September 2010. [Copenhagen], 2010. [6] p.

Pesonen, V., Gorev, M., Tammemäe, K. Learning-by-gaming in HW/SW codesign // Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10–12 May 2010. Darmstadt, 2010. p. 89-93.

Petlenkov, E. Info- ja kommunikatsioonitehnoloogia doktorikoolist // A & A (2010) 4, lk. 3-5.

Piho, G. Archetypes based development – an historical overview and current results // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, ESSU mõis. [Tallinn : TTÜ], 2010. lk. 141-144.

Piho, G., Roost, M., Perkins, D., Tepandi, J. Towards archetypes-based software development // Innovations in computing sciences and software engineering. Dordrecht : Springer, 2010. p. 561-566.

Piho, G., Tepandi, J., Parman, M., Perkins, D. From archetypes-based domain model of clinical laboratory to LIMS software // MIPRO 2010 : 33rd International Convention on Information and Communication Technology, Electronics and Microelectronics : May 24–28, 2010 Opatija, Croatia : proceedings. Vol. Digital Economy. [Opatija] : IEEE, 2010. p. 1179-1184.

Piho, G., Tepandi, J., Roost, M. Domain analysis with archetype patterns based Zachman framework for enterprise architecture // Proceedings the 4th International Symposium on Information Technology 2010. Vol. 3, Knowledge Society and System Development and Application : Kuala Lumpur, Malaysia, June 15–17, 2010. [S.I.] : IEEE, 2010. p. 1351-1356.

Piho, G., Tepandi, J., Roost, M. The Zachman framework for enterprise architecture with archetypes and archetype patterns // Databases and Information Systems : proceedings of the Ninth International Baltic Conference, Baltic DB&IS 2010 : Riga, Latvia, July 5–7, 2010. Riga : University of Latvia Press, 2010. p. 455-470.

Polis, E. Assessment of value analysis on an example of core banking system replacement projects // Databases and Information Systems : proceedings of the Ninth International Baltic Conference, Baltic DB&IS 2010 : Riga, Latvia, July 5–7, 2010. Riga : University of Latvia Press, 2010. p. 425-440.

Preden, J. Situatsiooniteadlikkus küberfüüslistes süsteemides // A & A (2010) 4, lk. 40-47.

Preden, J., Somelar, R. Arupuru rakendamise võimalustest // Keskonnatehnika (2010) 7, lk. 26-28.

Raik, J. Kuidas teemant tehnikaülikooli tuli // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 40-43.

Raik, J., Govind, V. Kuidas testida arvutivõrku ränikiibil // A & A (2010) 4, lk. 35-37.

Rang, T. 11th Baltic Electronics Conference BEC2008 // Estonian journal of engineering (2010) Vol. 16, 1, p. 5-6.

Rang, T. Baltic Electronics Conference (BEC) series : long and winding road // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 11-16.

Rannaste, A. Hierarhilisest testigenereerimisest ja mittetestitavuse analüüsist // A & A (2010) 4, lk. 38-39.

Rannat, K., Kivi, R., Uba, P. Measurements of atmospheric precipitable water by ground-based GPS receivers along the Struve-Tenner Meridian Arc // Toulouse Space Show'10 : Toulouse, France, 8–11 Juny, 2010 : proceedings. [Toulouse], 2010. [7] p.

Reeder, R., Velmer, E., Udal, A. Advances in terahertz technology with emphasis on quantum cascade lasers // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 8, p. 47-50.

Reilent, E., Lõõbas, I., Pahtma, R., Kuusik, A. Medical and context data acquisition system for patient home monitoring // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 269-272.

Reinsalu, U., Raik, J., Ubar, R. Register-transfer level deductive fault simulation using decision diagrams // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics

Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 193-196.

Repinski, U., Raik, J., Ubar, R., Jenihhin, M., Chepurov, A. Design error diagnosis using backtrace algorithm on decision diagrams // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 93-96.

Riid, A., Rüstern, E. A method for heuristic fuzzy modeling in noisy environment // 5th IEEE International Conference on Intelligent Systems (IS 2010) : London, 7–9 July 2010 : proceedings. [S.I.] : IEEE, 2010. p. 468-473.

Riid, A., Rüstern, E. Interpretability improvement of Fuzzy systems : reducing the number of unique singletons in Zeroth order Takagi-Sugeno systems // WCCI 2010 IEEE World Congress on Computational Intelligence : July, 18–23, Barcelona, Spain : proceedings. [S.I.] : IEEE, 2010. p. 2913-2018.

Riid, A., Saastamoinen, K., Rüstern, E. Redundancy detection and removal tool for transparent Mamdani systems // Intelligent systems : from theory to practice. Berlin : Springer, 2010. p. 397-415. (Studies in computational intelligence ; 299).

Rokk, I., Kulmar, M., Ots, A., Lossmann, E. Experiences of teaching complicated undergraduate course for large number of students in the Tallinn University of Technology // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 6, 119-122.

Ruuben, T., Berdnikova, J., Müürsepp, I., Madar, U. Optimal waveform selection for software defined data acquisition system // Proceedings of the Fourth European Conference on Antennas and Propagation : EuCAP 2010 : Barcelona, Spain, 12–16 April 2010. [S.I.] : IEEE, 2010. p. 3268-3272.

Saar, T., Märts, O., Reidla, M., Ronk, A. Chirp-based impedance spectroscopy pf piezo-sensors // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 339-342.

Saar, T., Talvik, O. Automatic asphalt pavement crack detection and classification using neural networks // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 345-348.

Sagahyroon, A., Aloul, F., Sudnitsõn, A. Low power state assignment using ILP techniques // The 15th IEEE Mediterranean Electrotechnical Conference - MELCON-2010 : Valletta, Malta, April 25–28, 2010. Malta : IEEE, 2010. p. 850-855.

\* Satrapinski, A., Kübarsepp, T., Märts, O. Verification of performance of commercial LCR meters // Conference on Precision Electromagnetic Measurements, DCC, Daejeon, Korea. [S.I.], 2010.

Seljanko, F. Towards hybrid genetic-gravitational algorithm for control of six-legged walking robot // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 97-100.

Sgirka, R. A collaborative web-based and database-based meta-CASE environment // Databases and Information Systems : Doctoral Consortium : Riga, July 4, 2010. Riga : University of Latvia, 2010. p. 31-42. (Scientific papers / University of Latvia Technologies ; Volume 757, Computer science and information technologies).

Shvartsman, I., Taveter, K., Parmak, M., Meriste, M. Agent-oriented modelling for simulation of complex environments // Proceedings of the International Multiconference on Computer Science and Information Technology (IMCSIT 2010) : Wisla, Poland, 18–20.10.2010. [Wisla] : IEEE, 2010. p. 209-216.

Sklyarov, V., Skliarova, I., Mihailov, D., Sudnitsõn, A. Synthesis and implementation of hierarchical finite state machines with implicit modules // 2010 International Conference on Reconfigurable Computing and FPGAs (ReConFig 2010) : Cancun, Mexico, December 13–15, 2010. [S.l.] : IEEE, 2010. p. 436-441.

Sleptsuk, N., Korolkov, O., Toompuu, J., Rang, T. Comparison of individual SiC JBS chips and JBS stacks connected in series by diffusion welding // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 81-84.

Sulakatko, A. JSC-.NET ristkompilaator veebi platvormidele // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 105-107.

Shvets, O., Kukk, V., Jaanus, M., Umbleja, K. Remote laboratories and methods of their application in study process // Journal of international scientific publications : materials, methods & technologies (2010) Vol. 4, 2, p. 60-67.

Zub, D., Eessaar, E. Pattern-based usability analysis : comparison with a case-study // Technological developments in education and automation. Dordrecht : Springer, 2010. p. 225-230.

Zub, D., Eessaar, E. Selecting patterns for the evaluation of systems // Technological developments in networking, education and automation. Dordrecht : Springer, 2010. p. 77-82.

Tagel, M., Ellervee, P., Jervan, G. Design space exploration and optimisation for NoC-based timing sensitive systems // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 117-120.

Tagel, M., Ellervee, P., Jervan, G. Design space exploration and optimisation for NoC-based timing sensitive systems // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 177-180.

Tagel, M., Ellervee, P., Jervan, G. System-level communication synthesis and dependability improvements for Network-on-Chip based systems // Estonian journal of engineering (2010) Vol. 16, 1, p. 23-38.

Talisainen, A., Kostin, S., Karai, D., Fridolin, I., Ubar, R. On-line monitoring of dialysis adequacy using diasens optical sensor : accurate Kt/V estimation by smoothing algorithms // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 273-276.

\* Tammet, T., Tomingas, K., Luts, M. Proceedings of the 11th European Conference on Knowledge Management : Universidade Lusíada de Vila Nova, de Famalicão, Portugal, 2–3 September. [S.I.] : Academic Publishing Limited, 2010. p. 988-995.

Taveter, K. Agentorienteeritud modelleerimise kunst // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 281-284.

Taveter, K. Kasutusjuhend ja eesmärgimudelid // A & A (2010) 1, lk. 6-8.

Taveter, K. Kuldar Taveter: Eesti innovatsioonis võiks rohkem röhku panna loomingulisusele : [intervjuu] // HEI = Hea Eesti Idee (2010) jaan., lk. 18-21.

Tepandi, J., Piho, G., Liiv, I. Domain engineering for cyber defense: a case study and implications // Conference on Cyber Conflict : proceedings 2010. Tallinn : Cooperative Cyber Defence Centre of Excellence, 2010. p. 59-77.

Tepandi, J., Vassiljev, S., Tšahhirov, I. Wireless PKI security and mobile voting // Computer (2010) Vol. 43, 6, p. 54-60.

\* Toom, A., Izzerouken, N., Näks, T., Pantel, M., Ssi Yan Kai, O. Towards reliable code generation with an open tool : evolutions of the Gene-Auto toolset // Ingénieurs de l'Automobile (2010) Vol. 807, p. 29-35.

Toom, A., Izzerouken, N., Näks, T., Pantel, M., Ssi Yan Kai, O. Towards reliable code generation with an open tool : evolutions of the gene-auto toolset // 5th International Congress and exhibition ERTS2 2010 : Embedded Real Time Software and Systems : 19–21 May 2010, Toulouse, France. Cedex : SIA, 2010. [10] p.

Toompuu, J., Korolkov, O., Sleptšuk, N., Rang, T. Investigation of p-i-n GaAs structures by DLTS method // Elektronika ir elektrotechnika = Electronics and electrical engineering (2010) 4, p. 51-54.

Toompuu, J., Korolkov, O., Sleptšuk, N., Vojtovich, V., Rang, T. GaAs based diffusion welded high voltage diode stacks [Electronic resource] // IEEE International Conference on Semiconductor Electronics CD-ROM Proceedings. [S.l.] : IEEE Operations Center, 2010. [4] p.

Toomsalu, A. Que vadis, mikrokontroller? // A & A (2010) 1, lk. 9-16.

Toonpere, P., Listak, M. Robotkala ja tehislihased TTÜ biorobootika keskuses // TalveAkadeemia 2010 : Läänemeri – vaga vesi, sügav põhi : 26.–28. veebruar Laulasmaal. [Tallinn] : TalveAkadeemia, [2010]. lk. 15-16.

Torim, A. Formaalsed mõisted andmeanalüüs / / A & A (2010) 4, lk. 27-34.

Trump, T. A robust detector for uniformly distributed noise // Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing : ICASSP 2010 : Dallas, Texas, USA, 14–19 March 2010. [S.l.] : IEEE, 2010. p. 3870-3873.

Trump, T. Transient analysis of an output signal based combination of two NLMS adaptive filters // IEEE International Workshop on Machine Learning for Signal Processing (MLSP) : Aug. 29 – Sept.1, 2010, Kittilä, Finland. [S.l.] : IEEE, 2010. p. 244-249.

Trump, T. Convergence of output signal based combination of two LMS adaptive filters // IEEE 26-th Convention of Electrical and Electronics Engineers in Israel (IEEEI 2010) : Nov. 17–20, 2010, Eilat. [S.l.] : IEEE, 2010. p. 109-113.

Tsertov, A., Jutman, A., Devadze, S. Testing beyond the SoCs in a lego style // Proceedings of IEEE East-West Design & Test Symposium (EWDTS'10) : St. Petersburg, Russia, September 17–20, 2010. Kharkov : Kharkov National University of Radioelectronics, 2010. p. 334-338.

Tsertov, A., Jutman, A., Devadze, S. Automation of testing beyond the SoCs // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 29-32.

Täks, E., Lohk, A. An alternative method for computerized legal text restructuring // Legal Knowledge and Information Systems – JURIX 2010 : The Twenty-Third Annual Conference. Amsterdam : IOS Press, 2010. p. 171-174. (Frontiers in artificial intelligence and applications ; 223).

Ubar, R.- J. Kuidas fookustada korraga kaugele ja lächedale, ehk, Kuidas ülikool saaks paremini teenida ühiskonda // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 13-15.

Ubar, R.-J. Centre for Integrated Electronic Systems and Biomedical Engineering - CEBE // Estonian journal of engineering (2010) Vol. 16, 1, p. 7-10.

Ubar, R., Devadze, S., Raik, J., Jutman, A. Parallel X-fault simulation with critical path tracing technique [Electronic resource] // DATE 10 : Design, Automation & Test in Europe : Dresden, Germany, 8–12 March, 2010. [Dresden] : IEEE, 2010. p. 879-884 [CD-ROM].

Ubar, R., Devadze, S., Raik, J., Jutman, A. Fast fault simulation for extended class of faults in scan-path circuits // Proceedings : Fifth IEEE International Symposium on Electronic Design, Test and Applications : DELTA 2010 : 13–15 January 2010, Ho Chi Minh City, Vietnam. Los Alamitos : IEEE, 2010. p. 14-19.

Ubar, R., Fridolin, I., Meigas, K., Min, M. A healthier chip? // Public service review : European Union (2010) Issue 19, p. 132-133.

Ubar, R., Jutman, A., Raik, J., Devadze, S., Jenihhin, M., Aleksejev, I., Chepurov, A., Chertov, A., Kostin, S., Orasson, E., Wuttke, H.-D. E-learning environment for WEB-based study of testing // Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10–12 May 2010. Darmstadt, 2010. p. 47-52.

Ubar, R., Mironov, D., Raik, J., Jutman, A. Fault collapsing with linear complexity in digital circuits // Proceedings of 2010 IEEE International Symposium on Circuits and Systems (ISCAS 2010) : 30 May – 2 June 2010, Paris, France. [S.I.] : IEEE, 2010. p. 653-656.

Ubar, R., Mironov, D., Raik, J., Jutman, A. Structural fault collapsing by superposition of BDDs for test generation in digital circuits // Proceedings of the Eleventh International Symposium on Quality Electronic Design ISQED 2010 : March 22–24, 2010 San Jose, California USA. Los Alamitos : IEEE Computer Society Press, 2010. p. 250-257.

Udal, A. Nanolt2010 : nanoinfotehnoloogia katsekursus info- ja kommunikatsioonitehnoloogia doktorikoolis // A & A (2010) 4, lk. 10-15.

Uustalu, T. Arvutamine on loodusteadus : [intervjuu] // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 86-90.

Vassiljeva, K., Petlenkov, E., Belikov, J. Automated neural network model selection algorithm for feedback linearization based control // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 235-238.

\* Vassiljeva, K., Petlenkov, E., Belikov, J. Neural network based minimal state-space representation of nonlinear MIMO systems for feedback control // The 11th International Conference Control, Automation, Robotics and Vision : ICARCV 2010 : 7–10 December 2010, Singapore. Singapore : IEEE, 2010. p. 2191-2196.

Vassiljeva, K., Petlenkov, E., Belikov, J. State-space control of nonlinear systems identified by ANARX and neural network based SANARX models // The 2010 International Joint Conference on Neural Networks (IJCNN) : 18–23 July 2010, Barcelona : proceedings. [S.I.] : IEEE, 2010. p. 3816-3823.

Vassiljeva, K., Petlenkov, E., Belikov, J. Towards genetic algorithm based structure identification for minimal state-space representation and feedback control of nonlinear

MIMO systems // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 11-14.

Vedru, J., Gordon, R. Model of an inductive sensor of cardiac activity attached to patient // Journal of physics : conference series (2010) Vol. 224, 1, p. 012010.

Velvre, E. Thomas Johann Seebeck and his contribution to the modern science and technology // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 17-24.

Veski, A., Võhandu, L. Another view on territory fair division problem // Databases and Information Systems : proceedings of the Ninth International Baltic Conference, Baltic DB&IS 2010 : Riga, Latvia, July 5–7, 2010. Riga, 2010. p. 261-276.

Veskioja, T., Võhandu, L. Constructing a preference model of college admissions market // Economics of education : issues of transition and transformation. Berlin : LIT-Verlag, c2010. p. 361-378.

Viiukas, T., Raik, J. Automated test pattern generator with constraint solver // Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.–27. novembril 2010, Essu mõis. [Tallinn : TTÜ], 2010. lk. 33-36.

Viiukas, T., Raik, J., Jenihhin, M., Ubar, R., Krivenko, A. Constraint-based test pattern generation at the register-transfer level // Proceedings of the 13th IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 14, 16, 2010, Vienna, Austria. Vienna : IEEE, 2010. p. 352-357.

Voitovich, V., Rang, T., Rang, G. LPE technology for power GaAs diode structures // Estonian journal of engineering (2010) Vol. 16, 1, p. 11-22.

\* Wuttke, H.-D., Ubar, R., Henke, K. Remote and virtual laboratories in problem-based learning scenarios // 5th IEEE International Workshop on Multimedia Technologies for E-Learning – MTEL 2010 : Taichung, Taiwan. [S.l.] : IEEE, 2010. [6] p.

Võhandu, L. Kaoseteooria ja majanduskriis // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 258-261.

Võhandu, L. Cliques of graphs using J-programming language // Baltic Horizons (2010) 14, p. 18-22.

Võhandu, L., Lohk, A. On the Estonian emotion vocabulary as it is presented in the dictionary of synonyms = Emotsioonisõnadest sünönüümisõnastike vahendusel // Emotions in and around language : Workshop held in Tallinn at the Institute of the Estonian Language, 23th–24th September, 2010 = Emotsioonid keeles ja keele ümber : seminar Tallinnas, Eesti Keele Instituudis, 23.–24. septembril 2010 : book of abstracts. Tallinn, 2010. lk. 50.

## **KEEMIA- ja MATERJALITEHNOOOGIA TEADUSKOND**

### **Raamatud**

Christjanson, P. Elastomeerid ja kummid. [Tallinn] : TTÜ, 2010. 174, [5] lk.

Deikina, J., Jõeleht, A. (koost.). Toitumis- ja toidusoovitused noortele. Tallinn : Tervise Arengu Instituut, 2010. 48 lk.

Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. 126 p. (Food and nutrition = Toit ja toitumine ; 17).

Grossberg, M. Optical properties of multinary semiconductor compounds for photovoltaic applications. Tallinn : TUT Press, 2010. 110 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 98).

Kann, A., Veskus, T., Tedersoo, E., Laasik, M., Vokk, R. Toiduhügieenikoolituse täiendmaterjalid. Tallinn : TTÜ toiduainete instituut, c2010. 127 lk.

Klauson, D. Aqueous photocatalytic oxidation of non-biodegradable pollutants. Tallinn : TUT Press, 2010. 156 p. (Theses of Tallinn University of Technology. G, Thesis on chemistry and chemical engineering ; 26).

Laes, K. Preparation and impedance spectroscopy of hybrid structures based on CuIn3Se5 photoabsorber. Tallinn : TUT Press, 2010. 168 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 90).

Meier, P. (ed.). Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. 196 p.

Mellikov, E. (koost.). Päikeseeergeetika maailmas, tänapäev ja tulevikuprognoosid. Tallinn, [2010]. 11, [1] lk.

Mellikov, E. (koost.). Taastuvenergia tasu kui liikumapanev jõud taastuvate energiaallikate arendamiseks. Tallinn, [2010]. 15, [1] lk.

Märtson, T. Methodology and equipment for optical studies of fast crystallizing polymers. Tallinn : TUT Press, 2010. 90 p. (Theses of Tallinn University of Technology. G, Thesis on chemistry and chemical engineering ; 25).

Savest, N. Solvent swelling of Estonian oil shales : low temperature thermochemical conversion caused changes in swelling. Tallinn : TUT Press, 2010. 108 p. (Theses of Tallinn University of Technology. G, Thesis on chemistry and chemical engineering, 1406-4774 ; 24).

Tedersoo, E. Toidu sensoorne analüüs. II. Tallinn : TTÜ, 2010. 88 lk.

Tiikma, L. Utilization of plastic wastes with oil shale : basics, methods, composition. Saarbrücken : Lambert Academic Publishing, 2010. 52 p.

Viienna, A. (koost.). Keemia- ja materjalitehnoloogia teaduskond : teadus- ja arendustegevus 2009. Tallinn : TTÜ, [2010]. 128 lk.

Vokk, R. Toidu sensoorne analüüs. I. Tallinn : TTÜ, 2010. 58 lk.

### Artiklid

Adhikari, N., Bereznev, S., Laes, K., Kois, J., Volobujeva, J., Raadik, T., Öpik, A., Traksmaa, R., Tverjanovich, A. High vacuum evaporation of n-CuIn3Se5 photoabsorber films for hybrid PV structures with conductive polymers // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 124.

\* Adhikari, N., Bereznev, S., Laes, K., Volobujeva, O., Öpik, A. High vacuum evaporation of n-CuIn3Se5 photoabsorber films for hybrid structures // EMRS-2010 Spring Meeting : Strasbourg, France, June 7–11 : program and book of abstracts. Symposium M. [Strasbourg], 2010. p. 8.

Arike, L., Nahku, R., Borissova, M., Adamberg, K., Vilu, R. Identification and relative quantification of proteins in Escherichia coli proteome by “up-front” collision-induced dissociation // European journal of mass spectrometry (2010) Vol. 16, 2, p. 227-235.

\* Bereznev, S., Laes, K., Jarkov, A., Volobujeva, O., Öpik, A. The impedance spectroscopy of hybrid CdTe / PEDOT-PSS interface // Hybrid and Organic Photovoltaics 2010 Conference : Assisi, Italy, May 23–27, 2010 : book of abstracts. [Assisi], 2010. p. 118.

Bessmeltseva, M., Viiard, E., Sarand, I. Properties and microbial population stability of model rye sourdough composed from bacteria isolated from industrial rye sourdough // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, 2010. p. 91-92.

Binkauskiene, E., Lugauskas, A., Krunks, M., Oja Acik, I., Jasulaitiene, V., Saduikis, G. Interaction of Chrysosporium merdarium with titanium oxide surface // Synthetic metals (2010) Vol. 160, 9/10, p. 906-910.

Bogdanovičienė, I., Beganskienė, A., Kareiva, A., Juškėnas, R., Selskis, A., Ramanauskas, R., Tönsuaadu, K., Mikli, V. Influence of heating conditions on the formation of sol-gel derived calcium hydroxyapatite // Chemija (2010) Vol. 21, 2/4, p. 98-105.

\* Bogdanovičienė, I., Tönsuaadu, K., Mikli, V., Beganskienė, A., Kareiva, A. Peculiarities of the formation of calcium hydroxyapatite, Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>, at different heating conditions // Abstract book : Chemistry and Technology of Inorganic Compounds : Kaunas, Lithuania, April 21, 2010. Kaunas, 2010. p. 12-13.

Bogdanoviciene, I., Tõnsuaadu, K., Mikli, V., Grigoraviciute-Puroniene, I., Beganskiene, A., Kareiva, A. pH impact on the sol-gel preparation of calcium hydroxyapatite, Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>, using a novel complexing agent, DCTA // Central European journal of chemistry (2010) Vol. 8, 6, p. 1323-1330.

Bogdanoviciene, I., Tõnsuaadu, K., Mikli, V., Grigoraviciute-Puroniene, I., Beganskiene, A., Kareiva, A. Formation peculiarities of calcium hydroxyapatite Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub> during sol-gel processing [Electronic resource] // ECIS 2010 : 24th Conference of the European Colloid and Interface Society : September 5–10, Prague, Czech Republic. [Prague, 2010]. p. P.2.89 [CD-ROM].

Christjanson, P. Depolümerisatsioon ; Dispersioonvärvained ; Džuut // TEA entsüklopeedia. 5. köide, Buru-eepos. Tallinn : TEA, 2010. lk. 238, 287, 344-345.

Christjanson, P., Pehk, T., Paju, J. Structure and curing mechanism of resol phenol-formaldehyde prepolymer resins // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 3, lk. 225-232.

Dedova, T., Annert, K., Volobujeva, O., Grossberg, M., Oja Acik, I., Krunks, M. ZnO nanostrukturused kihid keemilise pihustuspürolüüsmeetodil // XXXI Eesti keemiatänavad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 25.

\* Dulov, A., Dulova, N., Trapido, M. Combined physicochemical treatment of textile and mixed industrial wastewater // E-proceedings of International Conference of IOA-EA3G : Ozone and Related Oxidants for Emerging Pollutants of Concern to the Water and the Environment : April 28–30, 2010, Geneva, Switzerland. [S.I.], 2010. p. 2.6-1 - 2.6-12.

\* Dulova, N., Trapido, M. Fenton-based processes in different combinations for food-processing wastewater treatment // E-proceedings of International Conference of IOA-EA3G : Ozone and Related Oxidants for Emerging Pollutants of Concern to the Water and the Environment : April 28–30, 2010, Geneva, Switzerland. [S.I.], 2010. p. 2.5-1 - 2.5-12.

Ganchev, M., Kaupmees, L., Iliyna, J., Raudoja, J., Volobujeva, O., Dikov, H., Altosaar, M., Mellikov, E., Varema, T. Formation of Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films by selenization of electrodeposited stacked binary alloy layers // Energy procedia (2010) Vol. 2, 1, p. 65-70.

Goi, A., Trapido, M. Chlorophenols contaminated soil remediation by peroxidation // Journal of advanced oxidation technologies (2010) Vol. 13, 1, p. 50-58.

Goi, A., Veressinina, Y., Trapido, M. Fenton process for landfill leachate treatment : evaluation of biodegradability and toxicity // Journal of environmental engineering (2010) Vol. 136, 1, p. 46-53.

Goi, A., Viisimaa, M., Trapido, M., Munter, R. Polüklooritud bifenüüle sisaldava elektri-isoleeröliga saastatud pinnase taastamine kaltsium- ja magneesiumperoksiididega // XXXI Eesti keemiatänavad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 28.

\* Goi, A., Viisimaa, M., Trapido, M., Munter, R. Aroclor 1016 contaminated soil remediation with calcium and magnesium peroxides // E-Proceedings : Seventh International Conference on Remediation of Chlorinated and Recalcitrant Compounds : Monterey, CA, USA, May 24–27, 2010. [S.I.] : Battelle Press, 2010.

\* Hiie, J., Quinci, F., Lugh, V., Maticiu, N., Potlog, T., Mere, A., Valdna, V., Gavrilov, A. Structural changes in CBD CdS: effect of rapid thermal annealing // "Thin film chalcogenide photovoltaic materials" (Symposium M, EMRS 2010 Spring Meeting) : 7–11 June 2010, Strasbourg, France. [S.I.], 2010.

Huhtanen, M., Häkkinen, A., Ekberg, B., Kallas, J. LabTop – software for experimental design, modelling and visualisation // NoFS-13 : proceedings of the 13th Nordic Filtration Symposium: June 10–11, 2010, Lappeenranta, Finland. Lappeenranta : Lappeenranta University of Technology, 2010. p. 148-153.

Hälvin, K., Paalme, T., Nisamedtinov, I. Simultaneous quantification of the B-complex vitamins in dried yeast using UPLC/MS and isotope labeled internal standards // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 93.

\* Jarkov, A., Bereznev, S., Laes, K., Volobujeva, O., Öpik, A. Study of activating treatment for glass/ITO/CdS/CdTe structures prepared by high vacuum evaporation // EMRS-2010 Spring Meeting : Strasbourg, France, June 7–11 : program and book of abstracts. Symposium M. [Strasbourg], 2010. p. 8-9.

Johannes, I., Tiikma, L., Zaidentsal, A. Faasimuutused kukersiidi termobituminiseerimisel // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 34.

Johannes, I., Tiikma, L., Zaidentsal, A. Comparison of the thermobituminization kinetics of Baltic oil shale in open retorts and autoclaves // Oil shale (2010) Vol. 27, 1, p. 17-25.

Junolainen, A., Oja Acik, I., Mikli, V., Danilson, M., Krunks, M. Õhukeste TiO<sub>2</sub> kilede kasv erinevatel alustel pihustuspürolüsi meetodil // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 35.

Jöks, S., Krichevskaya, M., Preis, S. Gas-phase photocatalytic oxidation of acrylonitrile on sulphated TiO<sub>2</sub> : continuous flow and transient study // Catalysis letters (2010) [13] p.

Järvik, O., Kamenev, I. Aktiivmudaprotsessi osoonimise mõju heitvee kvaliteedile ja jäÄkaktiivmuda tekkele // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 38.

Järvik, O., Kamenev, I. Ozonation of activated sludge in periodic reactors // Scientific journal of Riga Technical University. 1 series, Material science and applied chemistry (2010) Vol. 22, p. 88-93.

Järvik, O., Kamenev, I., Viiroja, A., Kallas, J. Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation // Ozone : science & engineering (2010) Vol. 32, 6, p. 417-423.

Järvik, O., Kamenev, S., Kasemets, K., Kamenev, I. Effect of ozone on viability of activated sludge detected by oxygen uptake rate (OUR) and adenosine-5'-triphosphate (ATP) measurement // Ozone : science & engineering (2010) Vol. 32, 6, p. 408-416.

\* Kaev, J., Reut, J., Syritski, V., Gyurcsányi, R.E., Öpik, A. Covalent surface imprinting strategy of electrosynthesized PEDOT films for protein recognition // The 61st Annual Meeting of the International Society of Electrochemistry : Nice (France), September 26 – October 1, 2010. [Nice], 2010. p. S13-P-044.

Kaev, J., Tretjakov, A., Reut, J., Syritski, V., Gyurcsanyi, R.E., Öpik, A. Development of a strategy for preparation of protein surface imprinted electrosynthesized conducting polymer thin films // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 138.

Kaevand, T., Kalda, J., Öpik, A., Lille, Ü. Anisotropic percolating pathways in the thin films of polymeric PEDT/PSS complex and their relation to the electrical conductivity as revealed by the mesoscale simulation // Technological developments in networking, education and automation. Dordrecht : Springer, 2010. p. 263-268.

Kaevand, T., Kalda, J., Öpik, A., Lille, Ü. On the percolation behavior of the thin films of the PEDT/PSS complex : a mesoscale simulation study // Technological Developments in Education and Automation. Dordrecht : Springer, 2010. p. 103-107.

Kaljuvee, T., Keelmann, M., Trikkel, A., Kuusik, R. Thermooxidative decomposition of oil shales // ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22–27, 2010, Rotterdam, The Netherland : abstract book. Rotterdam, 2010. p. 145.

Kambek, L. Planning the validation of the self-administered dietary interview method using the nutridata software // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 95-96.

Kann, J. Kas Eestile oleks vaja ujuvat tuumajaama // Inseneeria (2010) 7, lk. 26-27.

Kann, J. In remembrance of Agu Aarna : oil shale chemist and technologist // Oil shale (2010) Vol. 27, 4, p. 361-363.

Kann, J. Dear reader! : editor's page // Oil shale (2010) Vol. 27, 1, p. 3-4.

Kaseleht, K., Paalme, T., Mihhalevski, A., Sarand, I. Study on volatile compound production by individual lactic acid bacteria in dough using multiple headspace extraction // Food and

**nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010.** [Tallinn] : TTÜ, c2010. p. 97.

Katerski, A., Danilson, M., Mere, A., Krunks, M. Effect of the growth temperature on chemical composition of spray-deposited CuInS<sub>2</sub> thin films // Energy procedia (2010) 2, p. 103-107.

Katerski, A., Danilson, M., Mere, A., Krunks, M. CulnS<sub>2</sub> kilede koostise uurimine XPS meetodil // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 41.

Kauk, M., Muska, K., Altosaar, M., Danilson, M., Õunpuu, K., Varema, T., Volobujeva, O. ZnO grown by chemical solution deposition // 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20–25, 2010 : conference proceedings. [S.I.] : IEEE, 2010. p. 002452-002456.

Khrypunov, G., Bereznev, S., Meriuts, A., Kopach, G., Kovtun, N., Deyneko, N. Development organic back contact for thin-film CdS/CdTe solar cell // Physics and chemistry of solid state (2010) Vol. 11, 1, p. 248-251.

Kilk, K., Savest, N., Hruljova, J., Tearo, E., Kamenev, S., Oja, V. Solvent swelling of dictyonema oil shale // Oil shale (2010) Vol. 27, 1, p. 26-36.

Kilk, K., Savest, N., Yanchilin, A., Kellogg, D.S., Oja, V. Solvent swelling of Dictyonema oil shale : low temperature heat-treatment caused changes in swelling extent // Journal of analytical and applied pyrolysis (2010) Vol. 89, 2, p. 261-264.

Kindsigo, M., Hautaniemi, M., Kallas, J. Kinetic modelling of wet oxidation treated debarking water // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 3, lk. 233-242.

Kindsigo, M., Kuusik, R., Kallas, J. Oil shale ash as a catalyst in wastewater treatment in the pulp and paper industry // Waste management and the environment. V. Boston : WIT Press, 2010. p. 403-414. (WIT transactions on ecology and the environment ; Volume 140).

Kirs, E., Pall, R., Laos, K. Characterization of different honeys produced in Estonia // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 98-99.

Kivistik, K., Poltimäe, T., Macko, T., Brüll, R. New chromatographic method for analysis of ethylene/1-butene and ethylene/1-hexene copolymers according to the chemical composition and the molar mass // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 113.

Klauson, D., Babkina, J., Stepanova, K., Krichevskaya, M., Preis, S. Aqueous photocatalytic oxidation of amoxicillin // Catalysis today (2010) Vol. 151, 1/2, p. 39-45.

Klauson, D., Krichevskaya, M., Borisova, M., Preis, S. Aqueous photocatalytic oxidation of sulfamethizole // Environmental technology (2010) Vol. 31, 14, p. 1547-1555.

Klauson, D., Kritševskaja, M., Borissova, M., Preis, S. Sulfametisooli fotokatalüütiline oksüdatsioon vesifaasis // XXXI Eesti keemiatänav : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 44.

Klauson, D., Portjanskaya, E., Budarnaja, O., Krichevskaya, M., Preis, S. The synthesis of sulphur and boron-containing titania photocatalysts and the evaluation of their photocatalytic activity // Catalysis communications (2010) Vol. 11, 8, p. 715-720.

\* Klavina, I., Raudoja, J., Altosaar, M., Mellikov, E., Meissner, D., Kaljuvee, T. CZTS ( $\text{Cu}_2\text{ZnSnSe}_4$ ) crystal growth for use in monograin membrane solar cells // Conference proceedings of the Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, 27–28 May, 2010. Kaunas, 2010. p. VII 345 - VII 353.

Klesment, T. Study of the functionality of selected hydrocolloids and their blends on storage quality of 10% dairy fat and 13% vegetable fat vanilla ice cream // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 100.

Klimova, I., Kaljuvee, T., Tüür, L., Trikkel, A., Kuusik, R. Interactions of ammonium nitrate with different additives : thermodynamic analysis // Program & abstracts of 21st IUPAC International Conference on Chemical Thermodynamics ICCT-2010 : Tsukuba, Japan, July 31 – August 6, 2010. [Tsukuba], 2010. p. 242.

Klimova, I., Trubatshenko, M., Kaljuvee, T., Mikli, V. Coating of ammonium nitrate prills with limestone and dolomite powders // WCPT6 2010 : World Student Congress on Particle Technology : Delft, The Netherlands, April 22–25, 2010 : book of abstracts, conference program. [Delft], 2010. p. 50.

Klimova, I., Trubatšenko, M., Kaljuvee, T. Pulbriliste lubimaterjalide granuleerimine // XXXI Eesti keemiatänav : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 45.

Kodis, I., Kütt, M.-L., Huusfeldt, T., Stagsted, J. Evaluation of marine macroalgae as antioxidants in foods // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. Tallinn : TTÜ, c2010. p. 101.

Kovtun, A., Syritski, V., Reut, J., Öpik, A. Electrosynthesized molecularly imprinted PEDOT microrods for IgG molecular recognition // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 149.

\* Kropman, D., Kärner, T., Dolgov, S., Heinmaa, I., Laas, T., Londos, C.A. Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the interface properties // The 9th International Conference on Global Research and Education : August 9–12, 2010, Riga : digest. Riga : RTU Publishing House, 2010. p. 231-233.

Kropman, D., Mellikov, E., Lott, K., Kärner, T., Heinmaa, I. et al. Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the properties of the interface // Getterring and defect engineering in semiconductor technology XIII : CADEST 2009 : proceedings of the XIIIth International Autumn Meeting, Döllnsee-Schorfheide, north of Berlin, Germany, September 26 – October 02, 2009. Stafa-Zurich : Trans Tech Publications, c2010. p. 145-148.

Kropman, D., Mellikov, E., Lott, K., Kärner, T., Heinmaa, I., Laas, T., Medvid, A., Skroupa, W., Prucnal, S., Zvyagin, S., Cizmar, E., Ozerov, M., Wosnitsa, J. Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the properties of the interface // Solid state phenomena (2010) Vol. 156/158, p. 145-148.

Kropman, D., Mellikov, E., Öpik, A., Lott, K., Kärner, T., Heinmaa, I., Laas, T., Medvid, A., Skroupa, W., Prucnal, S., Rebohle, L., Zvyagin, S., Cizmar, E., Ozerov, M., Wosnitsa, J. Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the properties of the interface // Thin solid films (2010) Vol. 518, 9, p. 2374-2376.

Krumme, A., Basiura, M., Pijpers, T., Vanden Poel, G., Heinz, L.-C., Brüll, R., Mathot, V.B.F. A new route for evaluating molecular structure of polyethylenes by measuring crystallizability by HPer DSC of SEC fractions separated via LC transform // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 123.

Krunks, M., Kärber, E., Katerski, A., Otto, K., Oja Acik, I., Dedova, T., Mere, A. Extremly thin absorber layer solar cells on zinc oxide nanorods by chemical spray // Solar energy materials & solar cells (2010) Vol. 94, p. 1191-1195.

Krustok, J., Josepson, R., Danilson, M., Meissner, D. Temperature dependence of Cu<sub>2</sub>ZnSn(SexS1-x)4 monograin solar cells // Solar energy (2010) Vol. 84, 3, p. 379-383.

Krustok, J., Josepson, R., Raadik, T., Danilson, M. Potential fluctuations in Cu<sub>2</sub>ZnSnSe4 solar cells studied by temperature dependence of quantum efficiency curves // Physica B : condensed matter (2010) Vol. 405, 15, p. 3186-3189.

Kuosa, M., Kallas, J. Multicomponent reaction models in ozonation and reduction in the number of model parameters // Journal of hazardous materials (2010) Vol. 183, 1/3, p. 823-832.

Kutsar, L., Salo, S., Wirtanen, G. Environmental Listeria plate petrifilms in detection of Listeria species from environmental samples // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 102-103.

Kuusik, R. Uurimusi hoppeliste gaaside emissiooni piiramiseks energiectikas // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 16.

Kuusik, R., Trikkel, A., Kaljuvee, T. Teaduspreemia tehnikateaduste alal tööde tsükli "Uurimusi happeliste gaaside emissiooni piiramiseks energeetikas" eest // Eesti Vabariigi teaduspreemiad 2010. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 86-109.

\* Kuusik, R., Uibu, M., Velts, O., Trikkel, A., Kallas, J. CO<sub>2</sub> trapping from flue gases by oil shale ash aqueous suspension : Intensification and modeling of the process // Proceedings of the Third International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME10 : Turku, Finland, Nov. 29 – Dec. 1, 2010. Åbo : Åbo Akademi University Printing Press, 2010. p. 227-235.

Kängsepp, K., Meier, P., Larnoy, E. The influence of raw material on the leachability of wood preservatives // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 53.

Kängsepp, K., Larnoy, E., Meier, P. How does sample position affect the leachability of wood preservatives // Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. p. 191.

Kütt, M.-L., Kodis, I., Stagsted, J. Identification of antimicrobial and hostdefense peptides from monkfish waste // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 104-105.

Laes, K., Bereznev, S., Land, R., Tverjanovich, A., Volobujeva, O., Traksmaa, R., Raadik, T., Öpik, A. The impedance spectroscopy of CuIn3Se5 photoabsorber films prepared by high vacuum evaporation technique // Energy procedia (2010) Vol. 2, 1, p. 119-131.

\* Laes, K., Bereznev, S., Land, R., Öpik, A. Constant phase element response of impedance spectra of high vacuum evaporated CuIn3Se5 photoabsorber layers [Electronic resource] // International Materials Research Congress IMRC XIX, Cancun, Mexico – August 2010, Symposium 15 – Photovoltaics, Solar energy materials and technologies : abstracts. [S.l.], 2010. p. 21 [CD-ROM].

Liebert, T. Kuidas tõhusalt juua : [vastus küsimusele] // Üks (2010) veebr./märts, lk. 117.

Liebert, T. Terviseküsimused [vastab ka T. Liebert] // Eesti Naine (2010) 4, lk. 108.

Liebert, T. Lapsed ja taimetoitlus : [vastus küsimusele] // Üks (2010) apr./mai, lk. 117.

Liebert, T. Kuum kõhutäis // Miks seisavad kured ühe jala peal? Ja veel 100 huvitavat küsimust. [Tallinn] : Presshouse, 2010. lk. 55-56.

Liibert, L., Meier, P., Treu, A. The fixation of new alternative wood preservative systems in a combined impregnation process // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p.53.

Liibert, L., Treu, A., Meier, P. Alternative wood preservative systems in a combined impregnation process (CIP) // Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. p. 190.

Liiri, M., Hatakka, H., Kallas, J., Aittamaa, J., Alopaeus, V. Modelling of crystal growth of KDP in a 100dm<sup>3</sup> suspension crystallizer using combination of CFD and multiblock model // Chemical engineering research and design (2010) Vol. 88, 9, p. 1297-1303.

Lott, K., Šinkarenko, S., Türn, L., Nirk, T., Öpik, A., Kallavus, U., Gorokhova, E., Grebennik, A., Vishnjakov, A. High temperature defect equilibrium in ZnS:Cu single crystals // Physica status solidi B (2010) Vol. 247, 7, p. 1662-1665.

Lõugas, T. Colour of sea buckthorn berries // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 106.

Lõugas, T., Gorbatšova, J., Kaljurand, M., Kravets, M., Vokk, R. Sea buckthorn as a tool for biomedicine or home remedy // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 107-109.

\* Lõugas, T., Ruben, K., Männimets, K. Colour and carotenoids analysis with sea buckthorn berries // Pigments in Food – Chemical, Biological and Technological Aspects. Budapest : Hungarian Chemical Society, 2010. p. 237-239.

\* Maticiuc, N., Potlog, T., Hiie, J., Mikli, V., Pöldme, N., Raadik, T., Valdna, V., Mere, A., Gavrilov, A., Quinci, F., Lugh, V., Sergo, V. Structural changes in chemically deposited CdS : effect of thermal annealing // Moldavian journal of the physical sciences (2010) Vol. 9, 3/4, p. 275-279.

Matsi, M., Piirlaid, M., Meier, P., Rohumaa, A., Hughes, M. Assessing the potential of furan polymer-based resin development in bonded veneer processing factors on adhesive bond strength // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 54.

Matsi, M., Rohumaa, A., Piirlaid, M., Hughes, M., Meier, P. Assessing the potential of furan polymer-based resin development in bonded veneer processing factors on adhesive bond strength // Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. p. 193.

Mihhalevski, A., Hälvil, K., Ošeka, A., Paalme, T. Evaluation of nutritional composition of raw material and rye baking products // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 110-111.

Munter, R. Comparison of mass transfer efficiency and energy consumption in static mixers // Ozone : science & engineering (2010) Vol. 32, 6, p. 399-407.

Munter, R. Säästva arengu võimalused // Kalender 2011. [Tallinn] : Olion, 2010. lk. 41-45.

Munter, R., Kivimäe, T. Uudne keskkonnasõbralik tehnoloogia radionukleiidide kõrvaldamiseks põhjaveest // Keskkonnatehnika (2010) 5, lk. 10-12.

Munter, R., Parshin, A., Yamshchikov, L., Plotnikov, V., Gorkunov, V., Kober, V. Reduction of tantalum pentoxide with aluminium and calcium : thermodynamic modelling and scale skilled tests // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 3, lk. 243-252.

\* Munter, R., Trapido, M., Veressinina, J., Lumiste, L. Aeration, oxidation and filtration for natural pollutants removal from groundwater // E-proceedings of International Conference of IOA-EA3G : Ozone and Related Oxidants for Emerging Pollutants of Concern to the Water and the Environment : April 28–30, 2010, Geneva, Switzerland. [S.I.], 2010. p. 5.5-1 - 5.5-11.

Möttus, E. Päikesepaneelide energia reitingu mudelid põhjamaises kliimas // TalveAkadeemia 2010 : üliõpilaste teadusartiklite konkursi kogumik. Tallinn, Tartu : TalveAkadeemia, 2010. lk. 101-105.

Mägi, R., Panova, E., Kirso, U. Some innovative approaches in environmental analysis of oil shale wastes and discharges // Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010. Kohtla-Järve, 2010. p. 28.

Märtson, T., Ots, A., Krumme, A., Lõhmus, A. Development of a faster hot-stage for microscopy studies of polymer crystallization // Polymer testing (2010) Vol. 29, 1, p. 127-131.

Nisamedtinov, I., Kevvai, K., Orumets, K., Rautio, J.J., Paalme, T. Glutathione accumulation in ethanol-stat fed-batch culture of *Saccharomyces cerevisiae* with a switch to cysteine feeding // Applied microbiology and biotechnology (2010) Vol. 87, 1, p. 175-183.

Nisamedtinov, I., Orumets, K., Kevvai, K., Viiard, E., Sarand, I., Paalme, T. Multilevel control of GSH accumulation in mutant and wild-type Strains of *S. cerevisiae* under conditions of smooth cysteine addition // IBIC 2010 : 2nd International Conference on Industrial Biotechnology : April 11–14, 2010, Padua, Italy. [S.I.] : AIDIC, 2010. p. 91-96. (Chemical engineering transactions ; Vol. 20).

\* Oja Acik, I., Junolanen, A., Kiisk, V., Sildos, I., Danilson, M., Krunks, M. Characterization of samarium and nitrogen doped TiO<sub>2</sub> films prepared by spray pyrolysis // EMRS-2010 Spring Meeting : Strasbourg, France, June 7–11 : program and book of abstracts. Symposium K. [Strasbourg], 2010. p. 4.

Oja Acik, I., Otto, K., Tönsuaadu, K., Katerski, A., Niinistö, L., Krunks, M. Thermoanalytical study of a precursor for CuInS<sub>2</sub> thin films deposited by chemical spray pyrolysis // ESTAC10 :

10th European Symposium on Thermal Analysis and Calorimetry : August 22–27, 2010, Rotterdam, The Netherland : abstract book. Rotterdam, 2010. p. 175.

\* Oja, V. Vapor pressures of kukersite oil shale primary pyrolysis tars // Summaries 2 : Separation Processes : 7th European Congress of Chemical Engineering. 19th International Congress of Chemical and Process Engineering CHISA 2010. [S.I.] : Process Engineering Publisher, 2010. p. 649.

Orumets, K., Nisamedtinov, I., Kevvai, K., Arike, L., Sarand, I., Korhola, M., Paalme, T. Metabolic changes underlying the higher accumulation of glutathione in *saccharomyces cerevisiae* mutants // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 112.

Otto, K., Katerski, A., Mere, A., Krunks, M. In<sub>2</sub>S<sub>3</sub> õhukeste kilede sadestamine piustuspürolüsi meetodil // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 60.

Otto, K., Oja Acik, I., Tõnsuaadu, K., Annert, K., Krunks, M. Thermoanalytical study of a precursor for In<sub>2</sub>S<sub>3</sub> films by spray pyrolysis // ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22–27, 2010, Rotterdam, The Netherland : abstract book. Rotterdam, 2010. p. 181.

Paalme, T. Survival of probiotic bacteria in Human Gastrointestinal Tract Simulator (GITS) // Ninth Annual ScanBalt Forum "Healthy future" : September 22–24, 2010 : Tallinn, Estonia. [Tartu : Eesti Biotehnoloogia Liit], [2010]. p. 67.

Petkova, V., Kaljuvee, T., Tõnsuaadu, K., Serafimova, E., Dombalov, I., Pelovski, Y. Comparative study of the thermal behavior of mechanoactivated natural carbonate substituted apatites from Africa (Tunisia), Europe (Bulgaria, Estonia), and Asia (Uzbekistan) // ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22–27, 2010, Rotterdam, The Netherland : abstract book. Rotterdam, 2010. p. 189.

Piirlaid, M., Matsi, M., Meier, P., Rohumaa, A., Hughes, M. Effect of birch veneer processing factors on adhesive bond strength development // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 54.

Piirlaid, M., Rohumaa, A., Matsi, M., Hughes, M., Meier, P. Effect of birch veneer processing factors on adhesive bond strength development // Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. p. 192.

Pitsi, T. Hea tervis vajab puu- ja köögivilju // Kodutohter (2010) 2, lk. 61-63.

Pitsi, T. Internet-based nutrition calculation program // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 113.

Pitsi, T. Laktoositalumatus ja toitumine // Kodutohter (2010) 10, lk. 30.

Pitsi, T. Soolaga ära liialda : [soovitab T. Pitsi] // Elukiri (2010) 7, lk. 47-49.

Pitsi, T. Toitumine ja lapse areng // Kodutohter (2010) 11, lk. 50.

Pluduma, L., Gross, K.A., Borodajenko, N., Tõnsuaadu, K., Berzina-Cimdina, L. Influence of thermal processing on the structure of hydroxyapatite // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 8.

Poltimäe, T., Tarasova, E., Krumme, A., Lehtinen, A., Viikna, A. Study of tertiary crystallization process and morphology in LLDPE and HDPE // World Forum on Advanced Polymeric Materials : Synthesis, Properties, Characterisation : POLYCHAR 18 : April 7–10, 2010 in Siegen, Germany. Siegen : Universität Siegen, 2010. p. P 19.

Poltimäe, T., Tarasova, E., Krumme, A., Viikna, A., Lehtinen A. Influence of molarmass, branching and catalyst type on the behavior of very low temperature crystallization in liner low-density polyethylenes // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 34.

Poltimäe, T., Tarasova, E., Krumme, A., Viikna, A., Roots, J., Lehtinen, A. Differential scanning calorimetry of blends of highly branched linear low density polyethylene with high density and moderate branched linear low density polyethylene // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 105.

\* Potlog, T., Spalatu, N., Ciobanu, V., Hiie, J., Mere, A., Mikli, V., Valdna, V. Analysis of fill factor losses in thin film CdS/CdTe photovoltaic devices // Moldavian journal of the physical sciences (2010) Vol. 9, 3/4, p. 363-367.

Põldme, N., Hiie, J., Mikli, V., Raadik, T., Valdna, V., Mere, A., Gavrilov, A., Maticiuc, N., Potlog, T., Quinci, F., Lugh, V., Sergo, V. Keemiliselt sadestatud kaadmiumsulfiidi kilede lõõmutamisel toimuvad struktuursed muutused // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 65.

Robal, M., Tuvikene, R., Truus, K., Volobujeva, O., Mellikov, E., Pehk, T. Vetikapolüsaahhariidide termostabiilsus : struktuur-omadus seosed // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 19.

Rudjak, I., Kaljuvee, T., Trikkel, A., Mikli, V. Thermal behaviour of ammonium nitrate prills coated with limestone and dolomite powder // Journal of thermal analysis and calorimetry (2010) Vol. 99, p. 749-754.

Salmimies, R., Häkkinen, A., Kallas, J., Ekberg, B., Andreassen, J.-P., Beck, R. Characterization of filter media used in the dewatering of iron ore // NoFS-13 : proceedings of the 13th Nordic Filtration Symposium: June 10–11, 2010, Lappeenranta, Finland. Lappeenranta : Lappeenranta University of Technology, 2010. p. 173-178.

Salumets, A. Rheological analysis of food // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 114.

\* Salumets, A., Laos, K., Sõrmus, A. Effect of hydrocolloids on the rheological properties of ultrafiltrated curds // Annual European Rheology Conference : Göteborg, Sweden, April 7–9, 2010. [Göteborg], 2010.

Savest, N. Solvent swelling of Estonian oil shales : low temperature thermochemical conversion caused changes in swelling : defense of the doctoral thesis // Oil shale (2010) Vol. 27, 2, p. 190.

Savest, N., Kilk, K., Oja, V. Eesti põlevkivide pundumine lahustites : termokeemilise konversiooni mõju pundumisprotsessile // XXXI Eesti keemiacüad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 72.

Siimer, K., Kaljuvee, T., Pehk, T., Lasn, I. Thermal behaviour of melamine-modified urea-formaldehyde resins // Journal of thermal analysis and calorimetry (2010) Vol. 99, 3, p. 755-762.

Siimer, K., Süld, T.-M., Kaljuvee, T., Lasn, I. Modified urea-formaldehyde resins for particleboards // Polymer Processing Society : PPS-26 : regional meeting : Istanbul, Turkey, October 20–24, 2010 : program & abstracts. [Istanbul], 2010. p. 94.

Sokolova, J., Tiikma, L., Vink, N. Termobituumeni eraldamine põlevkivi mineralosast // XXXI Eesti keemiacüad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 75.

Sumeri, I., Arike, L., Stekolštšikova, J., Uusna, R., Adamberg, S., Adamberg, K., Paalme, T. Effect of stress pretreatment on survival of probiotic bacteria in gastrointestinal tract simulator // Applied microbiology and biotechnology (2010) Vol. 86, 6, p. 1925-1931.

Sumeri, I., Uusna, R., Adamberg, S., Sarand, I., Paalme, T. Survival of lactic acid bacteria in Estonian and Finnish open texture cheeses during gastrointestinal tract simulator (GITS) transit // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 115.

Špitsmeister, M., Adamberg, K., Vilu, R. UPLC/MS based method for quantitative determination of fatty acid composition in Gram-negative and Gram-positive bacteria // Journal of microbiological methods (2010) Vol. 82, p. 288-295.

Šumigin, D., Poltimäe, T., Tarasova, E., Krumme, A., Meier, P. Influence of cellulose content on rheological and mechanical properties of “green” poly(lactic) acid/cellulose composites // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 122.

Šumigin, D., Poltimäe, T., Tarasova, E., Krumme, A., Meier, P. Rheological and mechanical properties of poly(lactic) acid- and polyethylene-based cellulosic composites // BIOCOP 2010 : 10th Pacific Rim Bio-based Composites Symposium : October 5th–8th, 2010, Banff, Alberta, Canada. [Banff], 2010. p. 310.

Šumigin, D., Tarasova, E., Meier, P. Influence of cellulose content on rheological and mechanical properties of poly(lactic) acid/cellulose and LDPE/cellulose composites // Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21–22, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology Press, 2010. p. 187.

Zhang, X., Sun, G., Hovestadt, M., Syritski, V., Esser, N., Volkmer, R., Janietz, S., Rappich, J., Hinrichs, K. A new strategy for the preparation of maleimide-functionalised gold surfaces // Electrochemistry communications (2010) Vol. 12, 10, p. 1403-1406.

Taivosalu, A., Pugi, M., Laht, T.-M. Characterization of proteolysis in open texture Estonian cheese during ripening // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 116-117.

Tamla, Ü., Kallavus, U., Reino, M. Loomapeakujuliste figuuridega hõbekett Padiküla aardes // Ilusad asjad : tähelepanuvääärseid leide Eesti arheoloogiakogudest. Tallinn : Tallinna Ülikooli Ajaloo Instituut, 2010. lk. 97-126. (Muinasaja teadus ; 21).

Tarasova, E., Poltimäe, T., Krumme, A., Lehtinen, A., Viikna, A. Triple crystallization behavior of fractionated ethylene/α-olefin copolymers of different catalyst type // Journal of polymer research (2010) [10] p.

Tiikma, L., Sokolova, Yu., Vink, N. Effect of the concentration of organic matter on the yield of thermal bitumen from the Baltic oil shale kukersite // Solid fuel chemistry (2010) Vol. 44, 2, p. 89-93.

Тийкма, Л., Соколова, Ю., Винк, Н. Влияние содержания органического вещества на выход термобитума из Прибалтийского сланца-кукерсита // Химия твердого топлива (2010) 2, с. 25-30.

Tilford, T., Ferenets, M., Morris, J.E., Krumme, A., Pavuluri, S., Rajaguru, P.R., Desmulliez, M.P.Y., Bailey, C. Application of particle swarm optimisation to evaluation of polymer cure kinetics models // Journal of algorithms & computational technology (2010) Vol. 4, 1, 121-146.

Tilford, T., Morris, J.E., Ferenets, M., Rajaguru, P.R., Pavuluri, S.K., Desmulliez, M.P.Y., Bailey, C. On model fitting methods for modeling polymer cure kinetics in microelectronics assembly applications // 3rd Electronic System-Integration Technology Conference (ESTC) : Berlin, 13–16 Sept. 2010 : proceedings. [S.l.] : IEEE, 2010. [6] p.

Timberg, L., Koppel, K., Kirs, E., Kaljujärv, R., Paalme, T. Red fish quality and red fish consumer studies in Estonia // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 118.

Timmo, K., Altosaar, M., Raudoja, J., Grossberg, M., Danilson, M., Volobujeva, O., Mellikov, E. Chemical etching of Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> monograins powder // 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20–25, 2010 : conference proceedings. [S.l.] : IEEE, 2010. p. 1982-1985.

Timmo, K., Altosaar, M., Raudoja, J., Muska, K., Pilvet, M., Kauk, M., Varema, T., Danilson, M., Volobujeva, O., Mellikov, E. Sulfur-containing Cu<sub>2</sub>ZnSnSe<sub>4</sub> monograins powders for solar cells // Solar energy materials & solar cells (2010) Vol. 94, 11, p. 1889-1892.

Tomson, T. Bi-positional solar collectors, performing in a row // Renewable energy (2010) Vol. 35, p. 721-726.

Tomson, T. Eestile sobivad helio-soojaveesüsteemid // Keskkonnatehnika (2010) 1, lk. 20-21.

Tomson, T. EUROSUN-2010 Grazis // Keskkonnatehnika (2010) 7, lk. 23-24.

Tomson, T. Fast dynamic processes of solar radiation // Solar energy (2010) Vol. 84, p. 318-323.

Tomson, T. Renewable electricity generation in Estonia // PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16–18, 2010, Kuressaare, Estonia. Tallinn : IEEE, 2010. p. 87-92.

Tomson, T., Hansen, M. Fast changes of the solar irradiance // Estonian journal of engineering (2010) Vol. 16, 2, p. 176-183.

Tomson, T., Maivel, M. Päikesenergeetika ühingu perspektiiv Eestis // TEUK XII : taastuvate energiaallikate uurimine ja kasutamine : kaheteistkümnenda konverentsi kogumik. Tartu : Eesti Maaülikool, 2010. lk. 45-48.

Tomson, T., Mellikov, E. Päikesenergia ja selle kasutamine // Elektrala (2010) 3, lk. 30-33.

Trapido, M., Dulova, N., Goi, A., Veressinina, J., Munter, R. Fenton-protsessi efektiivsus tööstusreovete puastammisel // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 76.

\* Trikkel, A., Keelmann, M., Kaljuvee, T., Kuusik, R. CO<sub>2</sub> and SO<sub>2</sub> uptake by oil shale ashes : effect of pre-treatment on kinetics // Journal of thermal analysis and calorimetry (2010) Vol. 99, 3, p. 763-769.

Truljova, O. Analysis of sea buckthorn berries // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 119-120.

Tuvikene, R., Truus, K., Robal, M., Volobujeva, O., Mellikov, E., Pehk, T., Kollist, A., Kailas, T., Vaher, M. The extraction, structure, and gelling properties of hybrid galactan from the red alga Furcellaria lumbricalis (Baltic Sea, Estonia) // Journal of applied phycology (2010) Vol. 22, p. 51-63.

Tverjanovich, A., Bereznev, S., Gertsin, A., Muradova, G., Shoka, A., Kim, D., Kois, J., Öpik, A., Tveryanovich, J. Synthesis of CuInSe<sub>2</sub> nanopowder in polyethylene glycol // Scientific journal of Riga Technical University. Series 1, Material science and applied chemistry (2010) Vol. 21, p. 79-83.

Tönsuaadu, K., Kallaste, T., Mikli, V., Mere, A., Nemliher, J. Structural analysis of apatite precipitated in the presence of proline // 18th International Conference on Phosphorus Chemistry : July 11–15th, 2010, Wroclaw, Poland : book of abstracts. Wroclaw : Wroclaw University of Technology, 2010. p. 185.

Tönsuaadu, K., Peld, M. Interpretation of FTIR spectra of synthetic carbonate apatites // 18th International Conference on Phosphorus Chemistry : July 11–15th, 2010, Wroclaw, Poland : book of abstracts. Wroclaw : Wroclaw University of Technology, 2010. p. 186.

Uibu, M., Kuusik, R. The behaviour of Ca-Mg-silicates in direct aqueous carbonation of oil shale ash [Electronic resource] // Innovation for Sustainable Production 2010. Conference 5. Carbon Capture and Storage (CCS) : [18–21 April, 2010] : proceedings. [Bruges, 2010]. p. 75-79. [CD-ROM].

\* Uibu, M., Kuusik, R. Effect of ageing pre-treatment on performance of PF oil shale ash for CO<sub>2</sub> sequestration in aqueous suspensions // Proceedings of the Third International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME10 : Turku, Finland, Nov. 29 – Dec. 1, 2010. Åbo : Åbo Akademi University Printing Press, 2010. p. 317-321.

Uibu, M., Velts, O., Kuusik, R. Developments in CO<sub>2</sub> mineral carbonation of oil shale ash // Journal of hazardous materials (2010) Vol. 174, p. 209-214.

Vaask, S., Pitsi, T. Potential to promote healthy eating in Baltic workplaces // International journal of workplace health management (2010) Vol. 3, 3, p. 211-221.

Valgepea, K., Adamberg, K., Nahku, R., Lahtvee, P.-J., Arike, L., Vilu, R. Systems biology approach reveals that overflow metabolism of acetate in *Escherichia coli* is triggered by carbon catabolite repression of acetyl-CoA synthetase // BMC systems biology (2010) Vol. 4, p. 166.

Veiderma, M. Inimesed, olukorrad ja sündmused minu elutee taustal // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 285-286.

Velts, O., Hautaniemi, M., Kallas, J., Kuosa, M., Kuusik, R. Modeling calcium dissolution from oil shale ash. Part 2, Continuous washing of the ash layer // Fuel processing technology (2010) Vol. 91, 5, p. 491-495.

Velts, O., Hautaniemi, M., Kallas, J., Kuusik, R. Modeling calcium dissolution from oil shale ash. Part 1, Ca dissolution during ash washing in a batch reactor // Fuel processing technology (2010) Vol. 91, 5, p. 486-490.

Velts, O., Hautaniemi, M., Uibu, M., Kallas, J., Kuusik, R. Modelling of CO<sub>2</sub> mass transfer and hydrodynamics in a semi-batch reactor // Journal of international scientific publication : materials, methods & technologies (2010) Vol. 4, 2, p. 68-79.

\* Velts, O., Kallas, J., Kuusik, R. Modeling of calcium leaching from lime-consisting oil shale combustion ash // Proceedings of the Third International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME10 : Turku, Finland, Nov. 29 – Dec. 1, 2010. Åbo : Åbo Akademi University Printing Press, 2010. p. 323-326.

Velts, O., Kallas, J., Kuusik, R. Kaltsiumi leostumine põlevkivituhast – protsessi modelleerimine // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 81.

\* Vent, M., Annert, K., Kärber, E., Krunks, M. ZnO thin films as transparent conductive oxides by chemical spray pyrolysis // Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27–28, 2010, Kaunas, Lithuania. Kaunas : Lithuanian Energy Institute, 2010. p. 399-407.

Vent, M., Kärber, E., Volobujeva, O., Krunks, M. Läbipaistvate ja elektrit juhtivate ZnO kilede valmistamine keemilise pihustamise meetodil // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 82.

Viiard, E., Mihhalevski, A., Paalme, T., Sarand, I. Population dynamics of lactic acid bacteria in industrial rye sourdough and the characterization of dominating species // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 121-122.

Viipsi, K., Sjöberg, S., Tönsuaadu, K. A surface complexation and solubility study of hydroxyapatite in the presence of Cd(II) and EDTA // SETAC Europe : 20th Annual Meeting 23–27 May 2010, Seville, Spain : Science and Technology for Environmental Protection : abstract book. Seville, 2010. p. WE 454.

Viipsi, K., Sjöberg, S., Tönsuaadu, K. Hüdroksülapatiidi lahustumine ja pinna komplekseerumine Cd<sup>2+</sup> ja EDTA juuresolekul // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 83.

Viipsi, K., Tõnsuaadu, K., Peld, M. Impact of soluble humic substance on Cd<sup>2+</sup> sorption on apatite in aqueous solutions // Chemistry and ecology (2010) Vol. 26, Suppl., p. 77-85.

Vokk, R. Toitumine ja kehaline aktiivsus. Milline kütus kehale valida? // Liikumise ja spordi ABC. [Tallinn : Menu], c2010. lk. 148-157.

Vokk, R. Toitumine ja kehaline aktiivsus. Milline kütus kehale valida? // Liikumise ja spordi ABC. [Tallinn] : Sport Kõigile, c2010. lk. 164-171.

Vokk, R. Toitumine erineva kehalise aktiivsuse korral // Liikumise ja spordi ABC. [Tallinn] : Sport Kõigile, c2010. lk. 172-176.

Vokk, R. Kas lisainetega või ilma? : [vastab R. Vokk] // Oma Maitse (2010) 4, lk. 58-59.

Vokk, R. Kas lisainetega või ilma? : [vastab R. Vokk] // Eesti Naine (2010) 4, lk. 90-91.

Vokk, R., Liebert, T., Pitsi, T., Jansoo, S. 15 years of studies on food for children // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 125-126.

Vokk, R., Veskus, T., Kutsar, L., Salu, S., Wirtanen, G. Process hygiene in Estonian food premises // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 123-124.

Öpik, A. Molekulide püüdmine // Tarkade Klubi (2010) erinumber, lk. 50.

## **MAJANDUSTEADUSKOND**

### **Raamatud**

Aarma, A. Arvjoonised : õppevalmend. Tallinn : Tallinna Tehnikaülikool, 2010. 48 lk.

Alver, J. (toim.). Raamatupidamiselt majandusarvestusele. III : [artiklikogumik]. Tallinn : Tallinna Tehnikaülikool, 2010. 96 lk.

Kalle, E. (koost.). Tallinna Tehnikaülikooli majandusteaduskond 1940–2010. Tallinn : TTÜ, 2010. 354 lk., [10] lk. portr.

Kirch, A., Müürsepp, P., Inotai, A., Lofgren, J., Talts, M., Vernygora, V. (eds.). Proceedings of the Institute for European Studies : journal of Tallinn University of Technology. No. 7, 8. [Tallinn] : Department of International Relations, Tallinn University of Technology, 2010. 214, 207 p.

Kiris, A., Kukrus, A., Oidermaa, E. Õiguse alused. Tööõigus : ülesannete kogu. Tallinn : TTÜ, 2010. 60 lk.

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 1, Hindamise üldised alused. [Tallinn] : Eesti Standardikeskus, 2010. 28 lk. (Eesti standard ; EVS 875-1:2010).

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 2, Varade liigid. [Tallinn] : Eesti Standardikeskus, 2010. 23 lk. (Eesti standard ; EVS 875-2:2010).

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 3, Väärtuse liigid. [Tallinn] : Eesti Standardikeskus, 2010. 19 lk. (Eesti standard ; EVS 875-3:2010).

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 4, Hindamise head tavad ja hindamistulemuste esitamine. [Tallinn] : Eesti Standardikeskus, 2010. 24 lk. (Eesti standard ; EVS 875-4:2010).

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 5, Hindamine finantsaruandluse eesmärgil. [Tallinn] : Eesti Standardikeskus, 2010. 36 lk. (Eesti standard ; EVS 875-5:2010).

Kolbre, E., Iisjan, V., Tiits, T., Tomson, A. (koost.). Vara hindamine. Osa 12, Hindamine hüvitamise eesmärgil. [Tallinn] : Eesti Standardikeskus, 2010. 24 lk. (Eesti standard; EVS 875-12:2010).

Leppiman, A. Argielamus [Võrguteavik] : laagri- ja elamuspõhine argipäevade pereteenus sotsiaalse kogemuse tootjana : analüütiline ülevaade. Tallinn : Tallinna Ülikool, 2010. 40 p. (Tallinna Ülikool. Sotsiaalteaduste disserratsioonid ; 41).

Leppiman, A. Arjen elämyksiä : leiri- ja elämispohjainen. Arkipäivät-perhepalvelu sosiaalisen kokemuksen tuottajana. Rovaniemi : Lapland University Press, 2010. 289 lk. + 1 l. (Acta Universitatis Lapponiensis ; 182).

Müürsepp, P. Structural stability as the core of Rene Thom's philosophy : from Aristotle to contemporary science. Saarbrücken : Lambert Academic Publishing, 2010. 124 p.

Põder, K. Structural solutions to social traps : formal and informal institutions. Tallinn : TUT Press, 2010. 160 p. (Theses of Tallinn University of Technology. H, Thesis on economics ; 17).

\* Põlajeva, T., Dakov, I., Bivainis, I. (eds.). Verslas, vadyba ir studijos 2009 : mokslo darbai = Business, management and education 2009 : research papers. Vilnius : Technika, 2010. 328 p.

Staehr, K. Income convergence and inflation in Central and Eastern Europe : does the sun always rise in the east?. [Tallinn] : Bank of Estonia, 2010. 29, [1] p. (Working paper series / Bank of Estonia ; 4/2010).

Staehr, K. Inflation in the New EU countries from Central and Eastern Europe : theories and panel data estimations. [Tallinn] : Bank of Estonia, 2010. 41, [1] p. (Working paper series / Bank of Estonia ; 6/2010).

Staehr, K. The global financial crisis and public finances in the new EU countries from Central and Eastern Europe. [Tallinn] : Bank of Estonia, 2010. 41, [3] p. (Working paper series / Bank of Estonia ; 2/2010).

Talpsepp, T. Investor behaviour and volatility asymmetry. Tallinn : TUT Press, 2010. 145 p. (Theses of Tallinn University of Technology. H, Thesis on economics ; 18).

Talts, M., Linask, K. (eds.). Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. 143 p.

Tanning, L. Maailma energia ülevaade. I osa, Nafta. Gaas. Tallinn : Infotrükk, 2010. 240 lk.

Tanning, L. Maailma energia ülevaade. II osa, Tuumaenergia. Tallinn : Infotrükk, 2010. 139, [1] lk.

Tanning, L. Maailma energia ülevaade. III osa, Alternatiivsed. Süsi. Hüdro. Tulevik. Tallinn : Infotrükk, 2010. 251 lk.

Varrak, T. (koost.). Poliitika, riigiteadus, rahvusvahelised suhted : [artiklikogumik]. 2. Tallinn : Tallinna Tehnikaülikooli rahvusvaheliste suhete instituut, Tallinna Tehnikaülikool, 2010. 105 lk.

Vassilkova, A. (koost.). XVII juhtimiskonverents "Juhtimistee kond". Tallinn, 2010. 57 lk.

Venesaar, U. (ed.). Research in economics and business : Central and Eastern Europe. Vol. 2, no. 1, 2. Tallinn : Tallinn University of Technology, 2010. 93, 70 p.

Üksvärv, R. Organisatsioon ja üksikisik. Tallinn : TEA, 2010. 302, [1] lk.

## Artiklid

\* Аарма, А., Вайну, Я. Изменение основных показателей Эстонского банковского сектора в условиях мирового экономического кризиса // Роль финансово-кредитной системы в реализации приоритетных задач развития экономики : материалы 3(14)-й международной научной конференции : 18–19 февр. 2010 г. Т. 2. Санкт-Петербург : Издательство Санкт-Петербургского университета экономики и финансов, 2010. р. 128-130.

Aasma, A. Some notes on matrix transform of summability domains of Cesaro matrices // Mathematical modelling and analysis (2010) Vol. 15, 2, p. 153-160.

Ahmet, I. Financial behavior of households and the underlying basic beliefs // Journal of international scientific publication : economy & business (2010) Vol. 4, 1, p. 310-320.

Alver, J. Deebet ; Deebetkaart ; Deebet-krediitkaart ; Deebitor ; Depositiit ; Diskonterimine // TEA entsüklopeedia. 5. köide, Buru-eepos. Tallinn : TEA, 2010. lk. 209, 238, 284.

Alver, J., Alver, L. Raamatupidajast ja tema tööst (Taani tütarettevõtete näitel) // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 28-29.

Alver, J., Alver, J., Gurvitš, N. Ühest äri- ja kutse-eetika alasest uuringust // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 30-37.

Alver, L., Alver, J. Konsolideerimiskontseptsioonid ja nende mõju konsolideeritud aruannetele // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 18-27.

Alver, L., Alver, J., Sundgaard, E., Thomsen, J. Challenges for the Estonian accounting staff // Journal of international scientific publications : economy & business (2010) Vol. 4, 1, p. 129-138.

Babecký, J., Du Caju, P., Kosma, T., Lawless, M., Messina, J., Rööm, T. Downward nominal and real wage rigidity : survey evidence from European firms // The Scandinavian journal of economics (2010) Vol. 112, 4, p. 884-910.

\* Beifert, A., Prause, G. Logistics in the Southern Baltic Sea Region // WIWITA 2010 : 7. Wismarer Wirtschaftsinformatiktage : 3/4 Juni 2010 : proceedings. Wismar : Wismar University, 2010. S. 322-327. (Wismarer Diskussionspapiere ; Sonderheft 1/2010).

Belyakov, V., Izosimova, A., Koski, A., Prause, G., Rudzite, M. Promoting dynamic interaction of universities and regional stakeholders // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 447-490. (Regional baltic business and socio-economic development ; Bd. 1).

\* Братка, В., Праулиньш, А. Анализ чистой добавленной стоимости сельских хозяйств Латвии // Инновационные процессы в АПК : сборник статей II международной научно-практической конференции : Москва, Россия, 24–26 марта 2010. Москва : Российский университет дружбы народов, 2010. с. 495-497.

\* Братка, В., Праулиньш, А. К вопросу о воспроизводстве основных фондов сельских хозяйств в Латвии // Аграрная наука – сельскому хозяйству : сборник статей V международной научно-практической конференции : Барнаул, Россия, 17–18 марта 2010. Книга 1. [Барнаул] : Алтайский государственный аграрный университет, 2010. р. 116-119.

Данилова, О., Плотицына, Л., Коляева, И. Перспективы социальной ответственности бизнеса в современной России // Eesti Majandusteaduse Seltsi aastakonverentsi ettekanded [Elektrooniline teavik] : Viljandi, 29.–30.01.2010. [Tartu] : Eesti Majandusteaduse Selts, 2010. [CD-ROM].

Ehrlich, Ü. Saateks // Tallinna Tehnikaülikooli majandusteaduskond 1940–2010. Tallinn : TTÜ, 2010. lk. 7-8.

Ehrlich, Ü., Pädam, S. Eesti avaliku sektori keskkonnakulutused majanduskriisi perioodil // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. p. 29-33.

Ehrlich, Ü., Reimann, M. Hydropower versus non-market values of nature : a contingent valuation study of Jägala Waterfalls, Estonia // International journal of geology (2010) Vol. 4, 3, p. 59-63.

Fabiani, S., Kwapił, C., Rõõm, T., Galuscak, K., Lamo, A. Wage rigidities and labor market adjustment in Europe // Journal of the European Economic Association (2010) Vol. 8, 2/3, p. 497-505.

\* Fainstein, G., Kerem, K. Wage determination and wage-adjustment in the Estonian labour market // The European mind : narrative and identity. 1. Malta : Malta University Press, 2010. p. 343-351.

Fainstein, G., Kerem, K. Estonian wage formation as a macroeconomic adjustment mechanism : comparative analysis with Baltic and Nordic states // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 887-907. (Regional business and socio-economic development ; Bd. 1).

Fainštein, G., Matina, J. Interrelation between export and economic growth in Estonia // Journal of international scientific publication : economy & business (2010) Vol. 4, 1, p. 287-293.

Fainštein, G., Netšunajev, A. Foreign trade patterns between Estonia and the EU // International advances in economic research (2010) Vol. 16, p. 311-324.

Fainštein, G., Novikov, I. Credit risk determinants in Estonian banking sektor // Journal of international scientific publication : economy & business (2010) Vol. 4, 1, p. 295-309.

Fainštein, G., Novikov, I. Credit risk determinants in Estonian banking sector [Electronic resource] // Doctoral Summer School 2010 : 26–29 July 2010, Roosta, Estonia. [S. l.] : Doctoral School in Economics and Innovation, [2010]. [14] p. [CD-ROM].

Filipozzi, F., Harkmann, K. The financial crisis in Central and Eastern Europe: EMP and IMP measures and their determinants [Electronic resource] // Doctoral Summer School 2010 : 26–29 July 2010, Roosta, Estonia. [S. l.] : Doctoral School in Economics and Innovation, [2010]. [30] p. [CD-ROM].

Filipozzi, F., Harkmann, K. The financial crisis in Central and Eastern Europe : the measures and determinants of the exchange market pressure index and the money market pressure index // Research in economics and business : Central and Eastern Europe (2010) Vol. 2, 2, p. 5-36.

\* Gromark, S., Paadam, K. Free value : residential architecture and symbolic cultural consumption // Conditions : Independent Scandinavian magazine for architecture and urbanism (2010) 4, p. 54-57.

Gurvitš, N. Ettevõtte sotsiaalse vastutuse arvestus ja hindamine // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 39-43.

Haav, K. Education for democratic citizenship : development of the theoretical framework for Estonia and EU // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 168-191.

\* Hartsenko, J. The structure and the functioning of the financial sector in the Baltic States // The European mind : narrative and identity. 1. Malta : Malta University Press, 2010. p. 352-360.

Hazak, A. Empirical analysis of capital structure and dividend decisions under the distributed profit taxation regime of Estonia // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 55-68. (Regional business and socio-economic development 2007 ; Bd. 1).

Hazak, A., Männasoo, K. Indicators of corporate default – EU-based empirical study // Transformations in business & economics (2010) Vol. 9, 1, p. 62-76.

Helme, M. Ronald D.Asmus. Väike sõda, mis raputas maailma. Gruusia, Venemaa ja lääne tulevik // Poliitika, riigiteadus, rahvusvahelised suhted (2010) 2, lk. 84-89.

Jakobson, I., Ritso, V., Koobas, M. Analysis of supporting measures for research & development & innovation in product development & innovation in product development area 2001–2006 [Electronic resource] // Doctoral Summer School 2010 : 26–29 July 2010, Roosta, Estonia. [S. l.] : Doctoral School in Economics and Innovation, [2010]. [14] p. [CD-ROM].

\* Järvis, M., Tint, P. Employment, cultural differences and occupational health in Estonia // Abstracts of ECHE2010 : 8th European Conference on Health Economics : 7–10 July 2010, Helsinki. Helsinki : iHEA, 2010. [2] p.

Järvis, M., Tint, P. Evidence-based development of safety culture at the Estonian enterprises // Reliability, risk and safety : theory and applications. Volume 2. London : Taylor & Francis Group, c2010. p. 1269-1276.

Järvis, M., Reinhold, K., Tint, P. The innovative tools for prevention of accidents in a post-socialist country // Reliability, risk and safety : theory and applications. Volume 1. London : Taylor & Francis Group, c2010. p. 25-30.

Kadak, T. PMSi eripärist avalikus sektoris // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 44-48.

Kallaste, K., Praulinš, A. Raamatupidaja kutse omistamisest ja taseme säilitamisest Lätis // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 49-51.

Kalle, E. TTÜ majandusteaduskonna ajaloost // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 6-8.

\* Калле, Э., Коляева, И. Совершенствование модели управления производительностью на предприятиях // Устойчивое развитие российских регионов : инновации, институты и технологические химствования : материалы VII международной научно-практической конференции по проблемам экономического развития : Екатеринбург, 23–24 апреля 2010 года. Екатеринбург : Уральский государственный университет, 2010. с. 11-14.

Kallemets, K. Naftaajastu lõpp on saabumas // Inseneeria (2010) 1, lk. 16-19.

Kallemets, K. Kliimapoliitika mõju energiaökonomikale // Elektrala (2010) 4, lk. 10-12.

Kallemets, K. Eesti ettevõtted osalevad tuumajaama ehitusel // Inseneeria (2010) 6, lk. 12-14.

Kallemets, K. Economics of carbon abatement in power sector with CO<sub>2</sub> price floor [Electronic resource] // Doctoral Summer School 2010 : 26–29 July 2010, Roosta, Estonia. [S. I.] : Doctoral School in Economics and Innovation, [2010]. [16] p. [CD-ROM].

Karilaid, I., Talpsepp, T. Can policy improve liquidity during a financial crisis? // Baltic journal of economics (2010) Vol. 10, 2, p. 5-26.

\* Karilaid, I., Talpsepp, T. Likviidsusprobleemid ning nende majanduspoliitiline käsitlus viimase finantskriisi ajal Balti ja Skandinaavia regioonis : ex ante empiiriline uurimus // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 38-42.

Kellik, V. Hukutav muretus jagab hoope // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. lk. 189-193.

Kellik, V., Org, A. Rahandusorgijatest kujundlikult // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. lk. 184-188.

\* Kerem, K., Püss, T. Health care expenditure in the Baltic States in the context of social models // International journal of arts and sciences (2010) Vol. 3, 8, p. 591-604.

\* Kerem, K., Randveer, M. The Estonian labour market : recent trends and labour market policies // International journal of multidisciplinary thought (2010) Vol. 1, 1, p. 381-394 [CD-ROM].

Kilvits, K. Üleilmset majanduse jahenemist tuleb osata ära kasutada // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 257-258.

Kilvits, K. Koha eest kasumlikus nišis ja väärthusahelas on vaja võidelda // Inseneeria (2010) 10, lk. 46-47.

Kirch, A. Process of the implementation of Knowledge Triangle in Estonia // Inžinerine ekonomika = Engineering economics (2010) Vol. 21, 3, p. 274-282.

Kirch, A. Tallinn – Bloodied but unbowed, Estonia is again to knock on the eurozone's door // Europe's World (2010) Spring, p. 166-167.

Kirch, A. Euroopa-Instituut and social research in Estonia // Jahrbuch für Europäische Geschichte. Band 11. München : R.Oldenbourg Verlag, 2010. S. 195-197.

Kirch, A., Müürsepp, P. Introductory note // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 8, p. [2].

Kirsipuu, M. Eesti maapiirkonna pereettevõtete strateegia // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 43-50.

Kirsipuu, M. Research of family business history of literature // Eesti Majandusteaduse Seltsi aastakonverentsi ettekanded [Elektrooniline teavik] : Viljandi, 29.-30.01.2010. [Tartu] : Eesti Majandusteaduse Selts, 2010. [CD-ROM].

Kitt, R. Füüsika püüab hõlmata juhusliku turu käitumist : [intervjuu] // Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. lk. 156-158.

Kleesmaa, J. CO<sub>2</sub> kaubanduse mõju elektritootjatele erinevate energiaallikate kasutamisel Eesti tingimustes // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 51-54.

Kokkota, R. Aspects of social welfare in the Baltic region countries : comparative analysis // Journal of international scientific publications : economy & business (2010) Vol. 4, 3, p. 33-45.

\* Коляева, И. Государственное управление финансовым сектором Эстонии : возможности стабилизации деловой активности в условиях глобального экономического кризиса // 4-я Всероссийская научно-практическая конференция 10.12.2009 "Система государственного и муниципального управления: проблемы и перспективы развития". Москва : Издательство ФГОУ ВПО "Финансовая академия при Правительстве Российской Федерации", 2010.

\* Коляева, И. Банковский сектор Эстонии в условиях глобального экономического кризиса 2007–2009 гг. // Роль финансово-кредитной системы в реализации приоритетных задач развития экономики : материалы 3(14)-й международной научной конференции : 18–19 февр. 2010 г. Т. 2. Санкт-Петербург : Издательство Санкт-Петербургского университета экономики и финансов, 2010. с. 26-30.

Коляева, И., Лаане, Г. Налогообложение специальных льгот : опыт Эстонии // Управление развитием : сборник научных работ (2010) 4(80), с. 94-96.

Коляева, И., Шевченко, О. Первичный рынок жилой недвижимости в Таллинне : цикличный характер факторных закономерностей // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. lk. 223-236.

Koppel, T. Elektromagnetväljad töökohtadel – Euroopa Liidu regulatsiooni tagamaadest // Eesti Töötervishoid (2010) 2, lk. 30-33.

Kristjuhan, K. Lean production, its related production management approaches and other contemporaries // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 370-374.

Kristjuhan, Ü. Decreasing the aging velocity in industry workers // Annals of New York Academy of Sciences (2010) Vol. 1197, p. 49-53.

\* Kristjuhan, Ü. Preventing the onset of disease [Electronic resource] // Centenarian lesson : a life beyond time (CD) : 7th European Congress of Biogerontology. Palermo, 2010. [CD-ROM].

Kristjuhan, Ü. Practice of postponing human aging // Rejuvenation research (2010) Vol. 13, 2/3, p. 356-358.

\* Kristjuhan, Ü. Research and practical implementation strategies in postponing aging // Colongy : The 1st International Congress on Controversies in Longevity, Health and Aging. Barcelona, 2010. p. 29.

\* Kristjuhan, Ü., Kalaus, L. Older and experienced hospital staff // 4th Symposium on Work Ability : Age Management during the Life Course : Tampere, 6–9 June 2010. Tampere : Tampere University Press, 2010. p. 100.

\* Kristjuhan, Ü., Taidre, E. Longevity in intellectual work // Centenarian lesson : a life beyond time (CD) : 7th European Congress of Biogerontology. Palermo, 2010. [CD-ROM].

Kristjuhan, Ü., Taidre, E. Postponed aging in university teachers // Rejuvenation research (2010) Vol. 13, 2/3, p. 353-355.

\* Kristjuhan, Ü., Taidre, E. Real problems of extending working life // 4th Symposium on Work Ability : Age Management during the Life Course : Tampere, 6–9 June 2010. Tampere : Tampere University Press, 2010. p. 52.

Kron, E., Prause, G. ICT competence and regional development – a regional study // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 596-614. (Regional business and socio-economic development ; Bd. 1).

Laane, M.-A. Strategies of hedging in science writing // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 3-7.

Laane, M.-A. Rhetorical conventions and stylistic practices in science writing // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 106-110.

Lend, E. Eesti sadamate kauba- ja reisijatevood Läänemere logistikasüsteemi kontekstis // Eesti Mereakadeemia Toimetised : 20. mail 2010 toimunud konverentsi "Tallinna linna, sadamate ja sadamaalade harmoonilisest arengust" eriväljaanne (2010) 10, lk. 8-17.

Lend, E., Eidast, A., Segercrantz, W., Uustalu, A.-M., Uriko, M. Eesti transiit ja logistika – nüüdisolukord ja tulevik // Eesti Mereakadeemia Toimetised (2010) 11, lk. 7-23.

Ленсмент, А., Ахмет, И. Особенности идентичности русских в Эстонии // Международная научная конференция "Национальная философия в контексте современных глобальных процессов" : Республика Беларусь, г. Минск, 16–17 декабря 2010. Минск : Академия наук Республики Беларусь, 2010.

Lensment, A., Ahmet, I., Rodins, M. The comparative analysis of fundamental assumptions of Russians in Estonia and in Russia // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 152-167.

\* Leppiman, A. Eettiset kysymykset tutkimusprosessissa : eettisyys monikulttuurisen perheleirityön tutkimuksessa // Etikka sosiaalityön tutkimuksessa : SOSNET Sosiaalityön jatko-opiskelijoiden metodologinen kesäkoulu, Lapin yliopisto, 19.–21.5.2010. Rovaniemi : Lapin Yliopisto, 2010.

\* Leppiman, A. Elämyksellinen perheleirityö monikulttuurisessa ympäristössä // Oikeudenmukainen ja kunnioittava sosiaalityö tiukan talouden oloissa : XII Valtakunnalliset sosiaalityön tutkimuksen päivät, Jyväskylän yliopisto, 18.–19.2.2010. Jyväskylä : Jyväskylän yliopisto, 2010.

Lewis, J., Staehr, K. The Maastricht inflation criterion : what is the effect of European Union enlargement? // JCMS = Journal of common market studies (2010) Vol. 48, 3, p. 687-708.

Licht, O. Uudne koolitus tootmisjuhtidele // Inseneeria (2010) 2, lk. 36-37.

Linask, K. The masculinity of colloquial Estonian // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 116-117.

Loone, E. Functions of history of science for philosophy of science // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 9-10.

\* Lutsoja, K. Economic growth, government intervention in the economy and foreign investment : a case of transitional economy // The European mind : narrative and identity. 1. Malta : Malta University Press, 2010. p. 375-381.

\* Lutsoja, K., Lutsoja, M. Use of IFRS as a basis for accounting rules in Estonia and its impact on the harmonisation of accounting // The European mind : narrative and identity. 1. Malta : Malta University Press, 2010. p. 382-390.

Lõokene, I. Uno Mereste : 27.05.1928–06.12.2009 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 338-340.

Lõokene, I. Meenutagem Hans Kaju (07.02.1939–04.04.2000) tema 80. sünniaastapäeval // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 9-12.

Lõokene, I. Akadeemik professor Uno Mereste = Akadeemiker Prof. Uno Mereste (27.05.1928–06.12.2009) : in memoriam // Eesti majanduspoliitilised väitlused. XVIII. Tallinn : Mattimar, 2010. lk. 153-164

\* Martinez, C., Piedad, C., Lumiste, R. Foreign entry modes of Colombian small and medium enterprises // The international journal of business and economics perspectives (2010) Vol. 5, 1, p. 16-24.

Maspanov, I. Siseauditist audiitortegevuse seaduse valguses // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 52-54.

\* Melece, L., Praulinš, A. Regional aspects of farm's subsidies in Latvia // Economics and Management – ICEM 2010 : Rīga, Riga Technical University, April 22–23, 2010. Riga : RTU Publishing House, 2010. p. 137-138.

Meriküll, J., Staehr, K. Unreported employment and envelope wages in mid-transition : comparing developments and causes in the Baltic countries // Comparative economic studies (2010) Vol. 52, 4, p. 637-670.

Metsla, E. Ja kalad saavad ka kinga : juhtimisülesanne // Director (2010) 1, lk. 56-58.

Michelson, A., Paadam, K. Residential cultural heritage : constructing symbolic capital in the urban space // Heritage 2010 : Heritage and Sustainable Development : proceedings of the 2nd International Conference on Heritage and Sustainable Development : Évora, Portugal, 22–26 June. Vol. 2. Barcelos : Green Lines Institute for Sustainable Development, 2010. p. 1041-1050.

\* Michelson, A., Paadam, K. Sustainable adaptation of a World heritage site to the international tourism market : the perspectives from economic anthropology // Sustainable Tourism : Issues, Debates & Challenges : Crete & Santorini, Greece, 22–25 April 2010. [S.I.], 2010. p. 814-819 [CD-ROM].

Michelson, A., Paadam, K. The construction of commodity-signs upon Medieval heritage architecture : spatial approach // 2010 International Conference on Information and Finance (ICIF 2010). Chengdu : IEEE, 2010. p. 91-94.

Miina, A. Autotööstuse õppetund : miks Toyotad tagasi kutsuti // Inseneeria (2010) 4, lk. 28-29.

Miller, L. Knowledge enhances interactions // In sights (2010) Vol. 41, 1, p. 5-8.

Miller, L. The cold autumn wind : [a poem] // Synergy magazine (2010) Vol. 7, 5, p. 32.

Miller, L. A deliberative approach to a more stable global arena // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 8, p. 61-81.

\* Miller, L. Our shared religious heritage // Journal of South Asian and Middle Eastern Studies (2010) Vol. 33, No. 2 (Winter), 1-12.

Müürsepp, P. Oluline lüngatäide Eesti kultuuriloos // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 278-281.

Müürsepp, P. New non-classical // 4th International Conference of the European Society for the History of Science : Barcelona, 18–20 November 2010 : book of abstracts. Barcelona : Institut d'Estudis Catalans, 2010. p. 180.

Müürsepp, P. Knowledge in science and non-science // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 18-19.

Müürsepp, P. Introduction // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 5-6.

Müürsepp, P., Kirch, A. Introductory note // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 2.

Müürsepp, P., Krikstopaitis, J.A. Kad gyva butu istorine ir tautine savimone : XXIV tarptautine mokslo istorijos koferencija Taline : interviu // Mokslo Lietuva (2010) 18 (spalio 21 d.), p. 1-4.

Nekrassova, N., Solarte-Vasques, M.C. Cultural competence : a fundamental component of a successful higher education internationalization strategy // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 8, p. 179-197.

Nekrassova, N., Matveeva, E. Building cross-cultural competence at institutions of higher education // Journal of international research publication : language, individual & society (2010) Vol. 5, p. 4-12.

Nikitina-Kalamäe, M. Majandusarvestusalase kõrghariduse omadamise võimalused Eestis // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 55-63.

Nutt, M. The re-establishment of parliamentarianism in Estonia, and the evolving of the Riigikogu's competence in the realm of foreign relations // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 120-151.

Nutt, M. Eesti ja Venemaa vaheline riigipiir : tekkimine, muutumine, taastamine // Tuna (2010) 4, lk. 72-92.

Org, A. Eesti töise potentsiaali probleeme // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. lk. 202-207.

Paadam, K., Gromark, S. Converted residences – re-inventing urban identities : a sociological-architectural enquiry // Space is Luxury : book of abstracts : 24th AESOP Annual Conference 2010 : YTK, Aalto University, Finland, July 7–10 2010. Helsinki : Aalto University, 2010. p. 290-291.

Paas, Õ., Tint, P. Health and safety management at Estonian enterprises // International Occupational Hygiene Association : 8th International Scientific Conference : 28 September – 2 October 2010, Roma, Italy : Health, Work and Social Responsibility : the occupational hygienist and the integration of environment, health and safety : book of abstracts. Roma, 2010. p. 198.

\* Parks, H.E. A blessing for the Saami // Baiki : the international Saami journal (2010) Issue 32, Winter, p. 19-21.

\* Parts, O., Vida, I. The effects of consumer cosmopolitanism on foreign purchase behavior // AIB-SE 2010 conference proceedings : 27–29 October, USA, Florida St Pete beach : memory stick. [Florida], 2010. [17] p.

\* Pedas, K., Ling, H., Venesaar, U. The entrepreneurial behaviour and intentions of students : a case of Estonia // The 16th Nordic Conference on Small Business Research : May 19–21, 2010, Kolding, Denmark. [S.l.], 2010.

Pedas, K., Ling, H., Venesaar, U. Entrepreneurial profile of students' and motivations for their career choices // The ESU 7th Conference 2010 on Entrepreneurship : University of Tartu, 22–28 August 2010, Tartu, Estonia : conference abstracts. Tartu : University of Tartu, 2010. p. 18.

\* Праулиньш, А. Использование трудовых ресурсов в растениеводческих хозяйствах Латвии // V international scientific conference „Regional Development. Role of Human Capital in Development of the Countries and Regions of Central and Eastern Europe” : Toruń, Poland, 20–21.05.2010. [S.I.] : Nicolaus Copernicus University, 2010.

\* Praise, G. Logistics networks in transition economies // Logistics and Supply Chain Management : German – Russian Perspectives. St. Petersburg : St.Petersburg State Polytechnic University Publishing House, 2010. p. 463-472.

\* Praise, G. Technology, Innovation and Entrepreneurship // International Entrepreneurship Forum, 18–19 August 2010, Bogota, Colombia. Bogota, 2010.

\* Praise, G. Regionale Netzwerke als Erfolgsfaktoren im Strukturwandel der maritimen Industrie – Europäische Erfahrungen // 4. Zukunftskonferenz der Maritimen Wirtschaft Mecklenburg-Vorpommerns : Rostock, Germany, 1.–2.12.2010. Rostock, 2010.

Praise, G. Regional networks as success factor in structural change of maritime industry – the European experience // Regional Networking as Success Factor in the Transformation Processes of Maritime Industry Experiences and Perspectives from Baltic Sea Countries. Wismar : Wismar University, 2010. p. 33-65. (Wismarer Diskussionspapiere ; Heft 07).

Praise, G. SME in service cluster – a regional study // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 380-390. (Regional business and socio-economic development ; Bd. 1).

Praise, G. Logistics-related entrepreneurship and regional development – an empiric study // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 361-379. (Regional business and socio-economic development 2007 ; Bd. 1).

Pöder, K. Tuletornid Eestis : "avalike kaupade" pakumise mehhanism // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 103-108.

Pöder, K. Credible commitment and cartel : the case of the Hansa merchant in the guild of late medieval Tallinn // Baltic journal of economics (2010) Vol. 10, 1, p. 43-60.

Põlajeva, T. Credibility of the economic policy : empirical results from the Baltic Sea region countries // Economics and management = Ekonomika ir vadyba (2010) Vol. 15, p. 192-199.

Põlajeva, T. Bureaucracy, and law making mechanism : their influence on the quality of business environment // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 809-830. (Regional business and socio-economic development ; Bd. 1).

\* Põlajeva, T. Government agencies' behavior and their impact on business environment in different countries // Наука – образованию, производству, экономике : 8th International scientific conference. Volume 1. Минск : Белорусский национальный технический университет, 2010. p. 330-340.

Põlajeva, T. The impact of corruption on economic freedom // Business and management 2010 : selected papers of the 6th International Scientific Conference : May 13–14, 2010. Vol. 2. Vilnius : Technika, 2010. p. 703-710.

Põlajeva, T., Toompuu, K. The use of full-cost accounting principles as a decision support tool for determining the cost and benefits in the Estonian public universities // 6th International Scientific Conference :Business and Management 2010 : May 13–14, 2010, Vilnius, Lithuania : selected papers. Volume 1. Vilnius : Technika, 2010. p. 140-146.

Pädam, S., Ehrlich, Ü., Tenno, K. The impact of EU cohesion policy on environmental sector sustainability in the Baltic states // Baltic journal of economics (2010) Vol. 10, 1, p. 23-41.

Püss, T., Viies, M., Maldre, R. EU-12 countries in the context of European social model types // International business and economics research journal (2010) Vol. 9, 12, p. 37-48.

Ramiro Troitino, D. Euroopa Liidu välissuhted ja ühine välis- ja julgeolekupoliitika // Poliitika, riigiteadus, rahvusvahelised suhted (2010) 2, lk. 3-24.

Ramiro Troitino, D. Helmuth Kohl and the European Union // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 100-119.

Reinhold, K., Tint, P. Chemicals in the air of the work environment and health risks // Medical and health science journal : MHSJ (2010) Vol. 2, p. 1-9.

\* Родин, М. Политические и этнокультурные идентичности и интеграционный процесс в Латвии // Материальные памятники культуры в странах Балтии 1710–2010 : сборник материалов конференции : Рига 15-ого ноября 2009 года. Рига ; Таллинн ; Вильнюс : Институт Европейских исследований, 2010. p. 97-103.

\* Roostalu, L., Kadak, T. Management accounting in the municipality of Tallinn during the last 75 years // 2nd Balkans and Middle East Countries Conference on Auditing and Accounting History : congress proceedings. Istanbul : Association of Accounting and Finance Academians, 2010. [27] p.

Roostalu, L., Pihelgas, S., Kitzmann, H. Challenges of controlling in supporting business ethics // Eesti Majandusteaduse Seltsi aastakonverentsi ettekanded [Elektroniline teavik] : Viljandi, 29.–30.01.2010. [Tartu] : Eesti Majandusteaduse Selts, 2010. [CD-ROM].

Rungi, M. Foundation of interdependency management in project portfolio management : a strategic view // Proceedings of the 5th IEEE International Conference on Management of Innovation and Technology (ICMIT2010), Singapore, June 2–5, 2010. Singapore : IEEE, 2010. p. 117-122.

Rungi, M. Interdependency management in project portfolio management : how to implement required procedures // PICMET '10 : Portland International Center for Management of Engineering and Technology : proceedings : Technology Management for Global Economic Growth : Phuket, Thailand, July 18–22, 2010. Portland, 2010. p. 1551-1562.

Saarniit, K. Toimingupõhise kuluarvutluse kasutamisest Eestis // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 68-70.

Sauga, A., Mankin, R., Ainsaar, A. Noisy fractional oscillator : temporal behavior of the autocorrelation function // WSEAS Transactions on Systems (2010) Vol. 9, 10, p. 1019-1028.

Sauga, A., Mankin, R., Ainsaar, A. Autocorrelation function for a noisy fractional oscillator // Latest trends on systems. Volume 2. [S.I.] : WSEAS, 2010. p. 585-589. (Mathematics and Computers in Science Engineering).

Servinski, M., Reidolf, M. Inimvara Tartu maakonnas = Human assets in Tartu County // Eesti piirkondlik areng 2010 = Regional development in Estonia 2010. Tallinn : Eesti Statistikaamet, 2010. p. 70-98.

Siimann, P. Kvalitatiivsete uurimismeetodite kasutamisest finantsaruannete analüüsimal // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 71-77.

Siirak, V. Some experiences of e-learning in the moodle e-learning environment // Information and communication technologies, society and human beings : theory and framework. Hershey : Information Science Reference, 2010. p. 307-312.

Siirak, V. Some experiences of e-learning in the moodle e-learning environment // Information & communication technologies, society, and human beings. [S.I.] : Linnaeus University, 2010. p. 291-296.

Staehr, K. The global financial crisis and public finances in the new EU countries in Central and Eastern Europe : developments and challenges // Public finance and management (2010) Vol. 10, 4, p. 671-712.

Staer, K. Income convergence and inflation in Central and Eastern Europe : does the sun always rise in the East // Eastern European economics (2010) Vol. 48, 5, p. 38-62.

Stradins, J., Talts, M. 24. Baltijas zinatnu vestures konference Tallina // Latvijas Vestures Instituta Zurnals (2010) 4, p. 155-162.

Strouhal, I., Kallaste, K. Accounting professional education schemes : case of Czech Republic and Estonia // WSEAS transactions on communications (2010) Vol. 9, 8, p. 485-494.

Strouhal, J., Kallaste, K. Professional qualification of accountants in Czech Republic and Estonia : are their certification schemes really different? // Selected Topics in Economy and Management Transformation. Volume II, 5th WSEAS International Conference on Economy and Management Transformation (EMT'10) : West University of Timisoara, October 24–26, 2010. [S.I.] : WSEAS, 2010. p. 434-439.

\* Sundgaard, E., Thomsen, J., Alver, J., Alver, L. Accounting profession in Estonia : still in transition? // British Accounting Association Annual Conference : delegate pack. Cardiff, 2010. p. 181.

Taal, H. Problems of ergonomics in the light of directive 90/279/EEC // International Occupational Hygiene Association : 8th International Scientific Conference : 28 September – 2 October 2010, Roma, Italy : Health, Work and Social Responsibility : the occupational hygienist and the integration of environment, health and safety : book of abstracts. Roma, 2010. p. 182.

\* Taidre, E., Kristjuhan, Ü. History of postponing human ageing and prolonging life // Colony : The 1st International Congress on Controversies in Longevity, Health and Aging. Barcelona, 2010. p. 33.

Talpas, L. Rahvusvahelise finantsaruandluse standardi IAS 1 muutmise projekt // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 78-85.

Talpsepp. T. Does gender and age affect investor performance and the disposition effect? // Research in economics and business : Central and Eastern Europe (2010) Vol. 2, 1, p. 76-93.

Talpsepp, T., Rieger, M.O. Explaining asymmetric volatility around the world // Journal of empirical finance (2010) Vol. 17, 5, p. 938-956.

Talts, M. The role of non-fiction literature in shaping Estonians' world outlook // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 128-130.

Talts, M. Oluline teatmeteos, mis võinuks olla veelgi parem // Raamatukogu (2010) 2, lk. 29-30.

Talts, M. Vend Vahindra ja tema õpilase Friedrich V. Lustigi ühisest teekonnast // Eesti Akadeemilise Orientaalseltsi aastaraamat 2009/2010. [S. l.] : Eesti Akadeemiline Orientaalselts, 2010. lk. 43-58.

Talts, M. Bibliofiiliast raamatu uurimise kontekstis // Raamatukogu (2010) 1, lk. 32-33.

Tamjärv, A. Infosõjast Vene-Gruusia sõja näitel // Maailma Vaade (2010) 12, lk. 12-13.

Tanning, L. Globaalne eetika ja poliitika // Poliitika, riigiteadus, rahvusvahelised suhted (2010) 2, lk. 33-74.

Tanning, L., Tanning, T. Majanduskriis Balti riikides ja Venemaal : põhjused ning tagajärjed // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. lk. 76-87.

Tanning, L., Tanning, T. Olukord Eesti tööturul // Raamatupidamisuudised (2010) 1, lk. 56-59.

\* Thurlow, J. Iranian cinema // Journal of South Asian and Middle Eastern studies (2010) Vol. 33, No. 2 (Winter), p. 13-17.

\* Tikk, J. Historical review and underlying trends in the Estonian accounting developments // 2nd Balkans and Middle East Countries Conference on Auditing and Accounting History : congress proceedings. Istanbul : Association of Accounting and Finance Academians, 2010. [9] p.

\* Tikk, J. Historical review and underlying trends in the Estonian accounting developments // 2nd Balkans and Middle East Countries Conference on Auditing and Accounting History : September 15–18, 2010, Istanbul, Turkey : program and abstracts. [Istanbul], 2010. p. 82-83.

Tikk, J. Nimiväärtusega ja nimiväärtuseta aktsiad eurole üleminekul // Euro kasutuselevõtmine Eestis : asjasepuutuvaid õigusakte ja praktilisi nõuandeid €-päevaks. Tallinn : Teataja Kirjastus, 2010. lk. 18-21. (Eesti Majanduse Teataja ; 2010/[12] kaasanne).

Tikk, J. The internationalization of the Estonian accounting system // Annals of the University of Petroşani : Economics (2010) Vol. 10, 2, p. 341-352.

Tikk, J. Accounting changes in the public sector in Estonia // Business : theory and practice (2010) Vol. 11, 1, p. 77-85.

Tinit, M. Suhtenäitajate vahelised statistilised seosed tõusva ja langeva majanduse tingimustes // Raamatupidamiselt majandusarvestusele. III. Tallinn : Tallinna Tehnikaülikool, 2010. lk. 91-96.

Tint, P. Doktorandid kohtusid esimest korda // Eesti Töötervishoid (2010) 2, lk. 8.

Tint, P., Paas, Ō., Järvis, M., Tuulik, V. Safety management at medium- and small-scale enterprises in Estonia // Journal of international scientific publication : ecology & safety (2010) Vol. 4, 1, p. 301-311.

Tint, P., Paas, Ō., Reinhold, K. Cost-effectiveness of safety measures in enterprises // Inzinerine ekonomika = Engineering economics (2010) Vol. 21, 5, p. 485-492.

Tint, P., Reinhold, K. Protection against noise among workers in manufacturing // International Occupational Hygiene Association : 8th International Scientific Conference : 28 September – 2 October 2010, Roma, Italy : Health, Work and Social Responsibility : the occupational hygienist and the integration of environment, health and safety : book of abstracts. Roma, 2010. p. 212-213.

Tint, P., Tkatchova, L., Reinhold, K., Tuulik, V. Safe workplace design : psychological risk factors // Book of Proceedings : 9th Conference of the European Academy of Occupational Health Psychology. Nottingham : Nottingham University Press, 2010. p. 441-442.

\* Tkatchova, L., Tint, P. The ergodesign of workplaces // ESREL 2010 : book of abstracts : European Safety & Reliability Conference, 5–9 September 2010, Rhodes, Greece. 1. [S.I.], 2010. p. 250.

\* Tkatchova, L., Tint, P. The ergodesign of Estonian workplaces // Reliability, Risk and Safety – Back to the Future : proceedings of the European Safety and Reliability Conference 2010 (ESREL 2010) : Rhodes, Greece, 5–9 September 2010. London : Taylor & Francis Ltd, 2010. p. 1979-1984.

Улыбина, Е.В., Ленсмент, А., Ахмет, И. Объективные и субъективные факторы отношения этнического меньшинства к этническому большинству // Журнал Высшей школы экономики (2010) 6, 4, с. 94-102.

Wahl, M.F. History and development of ownership research // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 1081-1094. (Regional business and socio-economic development ; Bd. 1).

\* Wahl, M. Governance and ownership : methodological aspects of qualitative ownership research // 7th Workshop on Corporate Governance : Brussels, June 21–22 : [CD-ROM]. Brussels : The European Institute for Advanced Studies in Management, 2010.

Varrak, T. Lähis-Ida konflikti transformatsioonist // Poliitika, riigiteadus, rahvusvahelised suhted (2010) 2, lk. 75-79.

Venesaar, U. Entrepreneurial activity in Estonia and implications for SME policy // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 432-444. (Regional business and socio-economic development ; Bd. 1).

Viies, M. Lõpetuseks : vaesuse leevendamise teed = Summary : developments in poverty alleviation // Vaesus Eestis = Poverty in Estonia. Tallinn : Statistikaamet, 2010. p. 192-200.

\* Virovere, A., Titov, E., Meel, M. Change of management values in Estonian business life in 2007–2009 // www.eben-ac2010.itCorporate Social : 23rd EBEN Annual Conference : Which Values for which Organisations, Trento, 9–11 September 2010. [S.I.], 2010.

Voolaid, K., Ehrlich, Ü. Universities' organizational learning rate dependence on the level of participation in the higher education market : the case study of Estonia [Electronic resource] // Proceedings of the 7th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning : ICICKM 2010 : Hong Kong, China, 11–12 November 2010. Hong Kong : The Hong Kong Polytechnic University Academic Publishing Limited, 2010. p. 480-488 [CD-ROM].

Voolaid, K., Venesaar, U. Evaluating of business school as learning organisation: the case of the Tallinn School of Economics and Business Administration // The ESU 7th Conference 2010 on Entrepreneurship : University of Tartu, 22–28 August 2010, Tartu, Estonia : conference abstracts. Tartu : University of Tartu, 2010. p. 18-19.

Übi, E. Vähimruutude meetod matemaatilises planeerimises ja mänguteoorias // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 57-75.

Übi, E. Mathematical programming via the least-squares method // Central European journal of mathematics (2010) Vol. 8, 4, p. 795-806.

## MATEMAATIKA–LOODUSTEADUSKOND

### Raamatud

Aas, T., Harvig, V. (koost.). Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. 70, [1] lk.

Aid-Pavlidis, T. Structure and regulation of BDNF gene. Tallinn : TUT Press, 2010. 184 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 94).

Bragina, O. The role of sonic hedgehog pathway in neuro- and tumorigenesis. Tallinn : TUT Press, 2010. 109 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 95).

Гаврилов, А. Курс общей физики. II том, Электростатика. Постоянный электрический ток. Электромагнетизм. Таллинн, 2010. 327 с.

Helmja, K. Determination of phenolic compounds and their antioxidative capability in plant extracts. Tallinn : TUT Press, 2010. 128 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 88).

Kanger, T. Orgaanilise keemia nomenklatuuri põhimõtted. Tallinn : TTÜ, 2010. 36 lk.

Kasemets, K., Kõiv, H., Jõgi, T. (koost.). Vastustega matemaatika ülesannete kogu riigiekksamiks valmistujale. 3. Tallinn : Tallinna Tehnikaülikool, 2010. 172 lk.

Koel, M., Kaljurand, M. Green analytical chemistry. Cambridge : RSC Publishing, c2010. 319 p.

Krupenski, I. Numerical simulation of two-phase turbulent flows in ash circulating fluidized bed. Tallinn : TUT Press, 2010. 76 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 50).

Lange, S. Spectroscopic and phase-stabilisation properties of pure and rare-earth ions activated ZrO<sub>2</sub> and HfO<sub>2</sub>. [Tartu] : Tartu University Press, c2010. 116, [1] p. (Dissertationes physicae Universitatis Tartuensis ; 67).

Lepane, V. (ed.). Chemistry and ecology. Vol. 26, Suppl. 2, Proceedings of the 12th Nordic–Baltic International Humic Substances Society (IHSS) Chapter Symposium : Tallinn, Estonia, June 14–17, 2009. [S.l.] : Taylor & Francis, 2010. 186 p.

Lippur, K. Asymmetric synthesis of 2,2'-bimorpholine and its 5,5'-substituted derivatives. Tallinn : TUT Press, 2010. 118 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 91).

Loide, R.-K. Füüsika näidisülesandeid gümnaasiumile : elekter ja magnetism. I osa. Tallinn : Koolibri, 2010. 191, [1] lk.

Loide, R.-K. Füüsika näidisülesandeid gümnaasiumile : elekter ja magnetism. II osa. Tallinn : Koolibri, c2010. 127, [1] lk.

Maloverjan, A. Vertebrate homologues of Drosophila fused kinase and their roles in Sonic Hedgehog signalling pathway. Tallinn : TUT Press, 2010. 131 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 99).

Mankin, R., Reiter, E. Statistiline termodünaamika. 3. [Tallinn] : TTÜ, 2010. 195 lk.

Muks, E. (comp.). Department of Chemistry. Tallinn : TUT Press, 2010. 62, [2] p.

Ojangu, E.-L., Eek, L. (koost.). Geneetiliselt muundatud organismid – mis need on?. Tallinn : Tallinna Tehnikaülikool, 2010. 46 lk.

Pruunsild, P. Neuronal activity-dependent transcription factors and regulation of human BDNF gene. Tallinn : TUT Press, 2010. 217 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 100).

Puusemp, P. (toim.). Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. 336 lk.

Sõmera, M. Sobemoviruses : genomic organization, potential for recombination and necessity of P1 in systemic infection. Tallinn : TUT Press, 2010. 122 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 89).

Uudelepp, H., Lõhmus, A. Põhikooli lõpetajale matemaatika lõpueksamist 2010. [Tallinn] : Argo, 2010. 112 lk.

Uudelepp, H., Lõhmus, A. Eksaminandile matemaatika riigiekamist. Tallinn : Argo, 2010. 100 lk.

### **Artiklid**

Aas, T., Harvig, V. Kanderaketi "Atlas" ja rakettmootori RD-180 sümbioos // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 67-70.

Aas, T., Harvig, V. Tagasivaade Rahvusvahelisele Astronomia Aastale 2009 // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 27-28.

Aas, T., Harvig, V. Tallinna Tähetorn Tallinna Tehnikaülikooli kooseisus. I, "Üleminek" // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 39-40.

Aas, T., Harvig, V., Spitšakova, M. NSVL'i optikatööstuse embleemidest // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 43-52.

Aav, R., Denmark, S.E. Uute iminofosforaanide sünteesi ja nende omaduste uurimine // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. p. 11.

Aav, R., Lippur, K., Lopp, M., Werner, F. (1S,2S,6S,9S)-6-Methyl-5-oxobicyclo-[4.4.0]decane-2,9-diyl diacetate // Acta crystallographica section E : Structure reports online (2010) E66, p. o2584.

\* Aav, R., Pehk, T., Tamp, S., Tamm, T., Kudrjašova, M., Parve, O., Lopp, M. Prediction and assignment of coupling constants of diastereomeric cyclopentane derivatives // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010. p. 47.

Ausmees, K., Kütt, K., Kanger, T. Kiraalsete asendatud tsüklopentanoonide süntees // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 24.

Banci, L., Bertini, I., Ciofi-Baffoni, S., Kozyreva, T., Zovo, K., Palumaa, P. Affinity gradients drive copper to cellular destinations // Nature (2010) Vol. 465, 3 June, p. 645-648.

\* Belikov, J., Kotta, Ü., Leibak, A. Transformation of the transfer matrix of the nonlinear system into the Jacobson form // Proceedings of the 2010 IRAST International Congress on Computer Applications and Computational Science (CACS 2010) : 4–6 December 2010, Singapore. Singapore : IRAST, 2010. p. 495-498.

Borissova, M., Mahlapuu, R., Vaher, M. Monitoring the redox cycle of low-molecular peptides using a modified target plate in MALDI-MS // Talanta (2010) Vol. 83, p. 274-280.

Borissova, M., Palk, K., Vaher, M. Rapid analysis of free fatty acid composition in Brassica rapa L. and Brassica napus L. extracts by surface-assisted laser desorption/ionization time-of-flight mass spectrometry // Procedia chemistry (2010) 2, p. 174-179.

\* Borissova, M., Vaher, M. On-plate concentration and analysis of low-molecular compounds using hydrophobic surfaces in MALDI MS // 25th International Symposium on Microscale BioSeparations MSB 2010 : Prague, Czech Republic : abstract book. [Brno] : Institute of Analytical Chemistry AS CR, v.v.i., 2010. p. 182.

Bragina, O., Njukova, N., Sergejeva, S., Järvekülg, L., Kogerman, P. Sonic Hedgehog pathway activity in prostate cancer // Oncology letters (2010) Vol. 1, 2, p. 319-325.

Bragina, O., Sergejeva, S., Serg, M., Žarkovsky, T., Maloverjan, A., Kogerman, P., Žarkovsky, A. Smoothened agonist augments proliferation and survival of neural cells // Neuroscience letters (2010) Vol. 482, 2, p. 81-85.

Chung, R.S., Howells, C., Zovo, K., Palumaa, P., Sillard, R. et al. The native copper- and zinc-binding protein metallothionein blocks copper-mediated A $\beta$  aggregation and toxicity in rat cortical neurons // PLoS ONE (2010) Vol. 5, 8, p. e12030 [11 p.].

Dobchev, D.A., Mäger, I., Tulp, I., Karelson, G., Tamm, T., Tämm, K., Jänes, J., Langel, Ü., Karelson, M. Prediction of cell-penetrating peptides using artificial neural networks // Current computer - aided drug design (2010) Vol. 6, 2, p. 79-89.

\* Fukumoto, Y., Kaplanski, F. Motion of a vortex ring with swirl at low Reynolds numbers // Autumn meeting of Japan Physical Society, Osaka, Japan, September 23. [S.I.], 2010.

Гаврилов, А. Радиопеленгатор // Радио (2010) 5, с. 56-58.

Gavrilova, O., Jonas, M., Erb, K., Haberl, H. International trade and Austria's livestock system : direct and hidden carbon emission flows associated with production and consumption of products // Ecological economics (2010) Vol. 69, 4, p. 920-929.

Gavrilova, O., Vilu, R., Vallner, L. A life cycle environmental impact assessment of oil shale produced and consumed in Estonia // Resources, conservation and recycling (2010) Vol. 55, p. 232-245.

\* Golubovskaya, I., Wang, R., Timofejeva, L., Cande, Z. Meiotic mutants affecting homologous synapsis // 52nd Annual Maize Genetics Conference : Riva del Garda (Trento), Italy, March 18–21, 2010. [Milano], 2010. p. 65.

Gorbatšova, J., Jaanus, M., Kaljurand, M. Programmeeritav tilksisend kapillaarelektoforeesis // XXXI Eesti keemipäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 29.

Gretšušnikova, T., Järvan, K., Orav, A., Koel, M. Comparative analysis of the composition of the essential oil from the shoots, leaves and stems the wild *Ledum palustre* L. from Estonia // Procedia chemistry (2010) 2, p. 168-173.

Guerrero, K., Monge, C., Brückner, A., Puurand, Ü., Kadaja, L., Käämbre, T., Seppet, E., Saks, V. Study of possible interactions of tubulin, microtubular network, and STOP protein with mitochondria in muscle cells // Molecular and cellular biochemistry (2010) Vol. 337, 1/2, p. 239-249.

Haas, M., Hizhnyakov, V., Klokov, M., Shelkan, A. Effects of long-range forces in nonlinear dynamics of crystals : creation of defects and self-localized vibrations // IOP conference series : materials science and engineering (2010) Vol. 15, 1, p. 01245.

Helmja, K., Vaher, M., Püssa, T., Kaljurand, M. Polüfenoolsete ühendite antioksüdatiivsuse hindamine kapillaarelektroforeetiliselt ja vedelik-kromatograafiliselt // XXXI Eesti keemiatäiendus : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 31.

Janno, J. Parabolsete integrodiferentsiaalvõrrandite positiivsusprintsip // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 35-43.

Janno, J., Lorenzi, A. Recovering memory kernels in parabolic transmission problems in infinite time intervals : the non-accessible case // Journal of inverse and Ill-posed problems (2010) Vol. 18, 4, p. 433-465.

\* Jõgi, A., Jäälaid, R., Paju, A., Pehk, T., Lopp, M. The synthesis of 4'-substituted nucleoside analogues and their biological activity // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010. p. P059.

Jõgi, A., Jäälaid, R., Paju, A., Pehk, T., Lopp, M. 4'-asendatud nukleosiidi analoogide süntees ja nende bioloogiline aktiivsus // XXXI Eesti keemiatäiendus : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 36.

Jõks, S., Kritchevskaya, M., Preis, S. Akrüülnitriili fotokatalüütiline oksüdatsioon gaasifaasis // XXXI Eesti keemiatäiendus : teaduskonverentsi. Tallinn : Eesti Keemia Selts, 2010. lk. 37.

Järvelaid, M., Timmus, S. Gripiviiruse epidemioloogia ja organismi immuunvastus // Eesti Arst (2010) 1, lk. 21-30.

Kabanova, N., Kriščiunaite, T., Stulova, I., Laht, T.-M., Vilu, R. Study of the growth of bacteria in solid state matrices and (opaque) liquid media using micro-calorimetry // Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010. [Tallinn] : TTÜ, c2010. p. 94.

Kaljurand, M. Foreword // Procedia chemistry (2010) 2, p. 1.

Kaljurand, M. Esinduslik lahutusmeetodite konverents Tallinnas // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 271-272.

\* Kaplanski, F. A vortex ring model and its applications // Abstract: <http://www2.math.kyushu-u.ac.jp/~masato/npa-old/index.html> : Seminar on Nonlinear Phenomena and Analysis, Kyushu University, Fukuoka, Japan, 28 January. [S.I.], 2010.

Kaplanski, F., Sazhin, S., Begg, S., Fukumoto, Y., Heikal, M. Dynamics of vortex rings and spray-induced vortex ring-like structures // European journal of mechanics B. Fluids (2010) Vol. 29, 3, p. 208-216.

\* Karlep, L., Aas, N., Salonen, S., Lopp, A., Reintamm, T., Kelve, M. A set of ribosomal RNA gene copies in a single individual of *Ephydatia fluviatilis* // VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20–24 September 2010 : book of abstracts. Girona, 2010. p. 228.

Kartushinsky, A., Michaelides, E. RANS modeling of a particulate turbulent downward jet // 7th International Conference on Multiphase Flow : ICMF 2010 : Tampa, FL, USA, May 30–June 4, 2010. [S.I.], 2010. [23] p.

Kartushinsky, A., Michaelides, E., Rudi, Ü., Nathan, G. RANS modeling of a particulate turbulent round jet // Chemical engineering science (2010) Vol. 65, 11, p. 3384-3393.

Kartushinsky, A., Rudi, Ü., Shcheglov, I., Tisler, S., Hussainov, M. Deposition of solid particles at streamlined surface in turbulent flow // 7th International Conference on Multiphase Flow : ICMF 2010 : Tampa, FL USA, May 30–June 4, 2010. [S.I.], 2010. [8] p.

\* Картушинский, А., Мартинс, А., Михаэлидес, Э., Руди, Ю., Тислер, С., Щеглов, И. Трехмерный двухфазный турбулентный поток в горизонтальной трубе // Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15–17 ноября 2010 г. Новосибирск, 2010.

\* Картушинский, А., Михаэлидес, Э., Руди, Ю., Тислер, С., Щеглов, И. Численный расчет вертикальной затопленной двухфазной турбулентной струи // Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15–17 ноября 2010 г. Новосибирск, 2010.

\* Картушинский, А., Руди, Ю., Тислер, С., Хусаинов, М., Щеглов И. Осаждение твердых частиц на обтекаемую поверхность в турбулентном потоке // Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15–17 ноября 2010 г. Новосибирск, 2010.

Kasvandik, S., Varvas, K., Samel, N. Rekombinantse ACLE (algal cyclooxygenase like enzyme) ekspressoone, puastamine ja kvaternaarstruktuuri analüüs // XXXI Eesti keemiatänavad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 39.

Kazarjan, J., Vaher, M. Erinevate taustelektrolüütide kasutamine neutraalsete suhkrute analüüsiks kapillaarelektroforeesi meetodil // XXXI Eesti keemiatänavad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 40.

Katritzky, A.R., Kasemets, K., Slavov, S., Radzvilovits, M., Tämm, K., Karelson, M. Estimating the toxicities of organic chemicals in activated sludge process // Water research (2010) Vol. 44, 8, lk. 2451-2460.

Katritzky, A.R., Radzvilovits, M., Slavov, S., Kasemets, K., Tämm, K., Karelson, M. Quantitative structure-activity relationship modeling of bioconcentration factors of polychlorinated biphenyls // Toxicological & environmental chemistry (2010) Vol. 92, 7, p. 1233-1247.

Katritzky, A.R., Slavov, S.H., Stoyanova-Slavova, I.B., Karelson, M. Correlation of the photolysis half-lives of polychlorinated dibenzo-p-dioxins and dibenzofurans with molecular structure // Journal of physical chemistry A (2010) Vol. 114, 7, p. 2684-2688.

Kivinukk, A., Tamberg, G. On variation detracting property of certain sampling operators // Международная конференция : теория приближений : ММИ им. Л. Эйлера Санкт-Петербург, 6–8 мая 2010 г. : тезисы докладов. Санкт-Петербург, 2010. p. 122-124.

\* Klopov, M., Haas, M., Hizhnyakov, V., Shelkan, A. Creation of defects and self-localized vibrations in crystal lattices : effects of long-range and nonlinear forces // The 23 General Conference of the Condensed Matter Division of the European Physical Society, Varssavi, 2010. Varssavi : European Physical Society, 2010. p. 67.

Knjazeva, T., Kaljurand, M. Capillary electrophoresis frontal analysis for the study of flavonoid interactions with human serum albumin // Analytical and bioanalytical chemistry (2010) Vol. 397, 6, p. 2211-2219.

Knjazeva, T., Makarõtševa, N., Kobrin, E.-G. Helmja, K., Seiman, A., Vaher, M., Kaljurand, M. Portatiivne kapillaarelektroforeesi aparaat keskkonnareostuse analüüsiks // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 46.

Kobzar, G., Mardla, V., Samel, N. Interaction of glucose with inhibitors of cyclooxygenase in platelets // Platelets (2010) Vol. 21, 5, p. 407.

Koplimala, M., Menert, A., Blonskaja, V., Kurissoo, T., Zub, S., Saareleht, M., Vaarmets, E., Menert, T. Liquid and gas chromatographic studies of the anaerobic degradation of baker's yeast wastewater // Procedia chemistry (2010) 2, p. 120-129.

Koppel, I., Aid-Pavlidis, T., Jaanson, K., Sepp, M., Palm, K., Timmus, T. BAC transgenic mice reveal distal cis-regulatory elements governing BDNF gene expression // Genesis (2010) Vol. 48, 4, p. 214-219.

\* Kriis, K., Ausmees, K., Pehk, T., Lopp, M., Kanger, T. A novel diastereoselective multicomponent cascade reaction // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010. p. 117.

Kriis, K., Ausmees, K., Pehk, T., Lopp, M., Kanger, T. A novel diastereoselective multicomponent cascade reaction // Organic letters (2010) Vol. 12, 10, p. 2230-2233.

Kriis, K., Pehk, ., Kanger, T., Lopp, M. Diastereoselektiivne multikomponentne kaskaadreaktsioon // XXXI Eesti keemiateaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 14.

Kumm, T., Taler-Verecic, A., Skerget, K., Friedemann, M., Zerovnik, E., Palumaa, P. Oligomerization and conformation of amyloidogenic protein human stefin B. Insight from ESI MS // FEBS journal (2010) Vol. 277, Suppl. 1, lk. 258.

Kurvits, J. Operations with rational numbers in grades 5 to 7 // 11th International Conference "Teaching Mathematics : Retrospective and Perspectives" : May 6–7, 2010, Daugavpils, Latvia : proceedings. Daugavpils : Daugavpils University Academic press "Saule", 2010. p. 61-65.

\* Kuusksalu, A., Reintamm, T., Lopp, A., Päri, M., Kelve, M. Sponge 2-5A synthetases form the distinct subgroup of the 2-5A synthetase family // VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20–24 September 2010 : book of abstracts. [S.I.], 2010. p. 239.

Köllo, M., Toon, L., Shmatova, E., Aav, R., Lopp, M. 9,11-sekosterooli D-ringi ja A,B-ringi mudeliühendi süntees // XXXI Eesti keemiateaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 50.

\* Kärblane, K., Pata, P., Pata, I., Truve, E., Sarmiento, C. RNA silencing suppressors of plant viral and endogenous origin expressed in mammalian cells // Keystone Symposia "RNA Silencing Mechanisms in Plants" : Feb 21–26, 2010, Santa Fe, New Mexico, USA. [S.I.], 2010. p. 87.

Laars, M., Raska, H., Lopp, M., Kanger, T. Cyclic amino acid salts as catalysts for the asymmetric Michael reaction // Tetrahedron : asymmetry (2010) Vol. 21, p. 562-565.

Laas, K., Mankin, R., Reiter, E. Stochastic resonance in the case of a generalized Langevin equation with a Mittag-Leffler friction kernel // Advances in Mathematical and Computational Methods : proceedings of the 12th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE`10). Wisconsin : WSEAS, 2010. p. 313-318.

Leibak, A., Vaarmann, O. On decomposition-coordination methods for multi-objective optimization // M.C.D.A.'71' Meeting of the Euro. Working Group 'Multiple Criteria Decision Aiding' : Turin, 25–27.III.2010. Torino : Politecnico di Torino, Italia, 2010. [12] p.

Lellep, J., Kägo, E. Vibrations of stepped plate strips with cracks // Mathematical models for engineering science. [S.I.] : WSEAS, 2010. p. 244-249.

Lepane, V., Gorohhova, J. Capillary electrophoretic characterisation of humic substances // Advances in Natural Organic Matter and Humic Substances Research 2008–2010 : XV

Meeting of the International Humic Substances Society : Puerto de la Cruz, Tenerife, Canary Islands, 27 June – 2 July 2010 : proceedings. Vol. 2. Puerto de la Cruz, 2010. p. 113-116.

Lepane, V., Morisset, M., Viitak, A., Laane, M., Alliksaar, T. Partitioning of metals between operational fractions in the sediment record from Lake Peipsi // Chemistry and ecology (2010) Vol. 26, Suppl., p. 35-48.

Lepane, V., Tõnno, I., Alliksaar, T. HPLC approach for revealing age-related changes of aquatic dissolved organic matter in sediment core // Procedia chemistry (2010) 2, p. 101-108.

Leung, Y., Pankhurst, M., Palumaa, P., Sillard, R. et al. Metallothionein induces a regenerative reactive astrocyte phenotype via JAK/STAT and RhoA signalling pathways // Experimental neurology (2010) Vol. 221, 1, p. 98-106.

Lippur, K., Elmers, C., Kailas, T., Müürisepp, A.-M., Pehk, T., Kanger, T., Lopp, M. Synthesis of 5,5'-disubstituted bimorpholines // Synthetic communications (2010) Vol. 40, p. 266-281.

\* Lippur, K., Merits, A., Lopp, M., Kanger, T. Synthesis of 2,2'-bimorpholines and their biological activity // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010.

Loide, R.-K., Suurvarik, P. A note on Lie superalgebras // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 4, p. 332-337.

Lopp, A., Reintamm, T., Kuusksalu, A., Tammiste, I., Pihlak, A., Kelve, M. Natural occurrence of 2',5'-linked heteronucleotides in marine sponges // Marine drugs (2010) Vol. 8, 2, p. 235-254.

\* Lopp, A., Reintamm, T., Kuusksalu, A., Tammiste, I., Pihlak, A., Kelve, M. Synthesis of 2',5'-linked nucleotides by OAS from marine sponges // VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20–24 September 2010 : book of abstracts. [S.I.], 2010. p. 257.

\* Lopp, M. Enantiomeric g-lactone acids from 1,2-diketones : useful intermediates for bioactive compounds // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010. p. 24.

Luberg, K., Wong, J., Weickert, C.S., Timmus, T. Human TrkB gene : novel alternative transcripts, protein isoforms and expression pattern in the prefrontal cerebral cortex during postnatal development // Journal of neurochemistry (2010) Vol. 113, 4, p. 952-964.

Lõhelaid, H., Järving, R., Järving, I., Samel, N. Chimeric allene oxide synthase-lipoxygenase fusion proteins // FEBS Journal (2010) Vol. 277, S1, p. 251.

Mahlapuu, R., Vaher, M., Ida, K., Soomets, U. Glutatiooni analoogide mõju raku redokstsüklki ensüümide aktiivsusele // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 52.

Makarõtševa, N., Lepane, V., Alliksaar, T. Molecular size distribution of metal complexes with pore water dissolved organic matter determined by HPSEC and ICP-MS // Advances in Natural Organic Matter and Humic Substances Research 2008–2010 : XV Meeting of the International Humic Substances Society : Puerto de la Cruz, Tenerife, 27 June - 2 July 2010 : proceedings. Vol. 3. Puerto de la Cruz, 2010. p. 118-119.

Makarõtševa, N., Lepane, V., Alliksaar, T., Heinsalu, A. A 10,000 year record of sediment pore-water dissolved organic matter characteristics from Lake Peipsi as revealed by HPSEC // Chemistry and ecology (2010) Vol. 26, Suppl., p. 13-24 :ill.

Makarõtševa, N., Seiman, A., Vaher, M., Kaljurand, M. Analysis of the degradation products of chemical warfare agents using a portable capillary electrophoresis instrument with various sample injection devices // Procedia chemistry (2010) 2, p. 20-25.

Maloverjan, A., Piirsoo, M., Kasak, L., Peil, L., Østerlund, T., Kogerman, P. Dual function of UNC-51-like kinase 3 (ULK3) in the sonic hedgehog signaling pathway // Journal of biological chemistry (2010) Vol. 285, 39, p. 30079-30090.

Maloverjan, A., Piirsoo, M., Michelson, P., Kogerman, P., Osterlund, T. Identification of a novel serine/threonine kinase ULK3 as a positive regulator of Hedgehog pathway // Experimental cell research (2010) Vol. 316, 4, p. 627-637.

Mardla, V., Rätsep, I., Kobzar, G., Samel, N. COX inhibiitorite nimesuliidi, paratsetamooli ja metamisooli toime aspiriiniresistentsete koronaarhaigete trombotsüütidele enne ja pärast aortokoronaarset šunteeerimist // Eesti Arst (2010) 7/8, lk. 470-476.

Mars, M. Rahvusvaheline teaduskonverents "Binaries-Key to Comprehension of the Universe" // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 41-42.

Mars, M., Aas, T., Harvig, V. The intrinsic variations of bright stars in NGC 7160 // Binaries-Key to Comprehension of the Universe, Masaryk University, Brno, Czech Republic, 8–12 June 2009. Michigan : Astronomical Society of the Pacific, 2010. p. 131-134. (Astronomical Society of the Pacific Conference Series ; 435).

Martin, D., Karelson, M. The quantitative structure activity relationships for predicting HIV protease inhibition by substituted fullerenes // Letters in drug design and discovery (2010) Vol. 7, 8, p.587-595.

Martins, A. XX rahvusvaheline keevkihis põletamise konverents Hiinas // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 266-268.

Mazina, J., Gorbatsova, J. Sample preparation for CE-DAD analysis of the water soluble vitamins in food products // Procedia chemistry (2010) 2, p. 46-53.

Mazina, J., Knjazeva, T., Gorbatšova, J., Hälvin, K., Kaljurand, M. B-rühma vitamiinide analüüs reaalsetes proovides kapilaarelektoforeesi meetodil // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 55.

Matso, K., Vaher, M., Helmja, K., Levandi, T., Kaljurand, M. Fenoolsete ühendite sisaldus ja antioksüdatiivsus erinevates nisusortides ja nisutera fraktsioonides // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 56.

Menert, A., Michelis, M., Rikmann, E., Blonskaja, V., Kaljurand, M., Kallaste, T. Biolagunevate jäätmete fermentatsioon taastuvate energiaallikate saamiseks // TEUK XII : taastuvate energiaallikate uurimine ja kasutamine : kaheteistkümnenda konverentsi kogumik. Tartu : Eesti Maaülikool, 2010. lk. 49-59.

Meronen, O., Tammeraid, I. Several theorems on  $\lambda$ -summable series // Mathematical modelling and analysis (2010) Vol. 15, 1, p. 97-102.

Metsis, M. Inimese ja soolebakteri genoomist // Tarkade Klubi (2010) erinumber, lk. 46.

Mortimer, M., Kasemets, K., Heinlaan, M., Vodovik, M., Marinšek Logar, R., Kahru, A. Sünteetiliste nanoosakeste toksilisus *in vitro* // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 17.

\* Nahku, R., Valgepea, K., Lahtvee, P.-J., Erm, S., Abner, K., Adamberg, K., Vilu, R. Specific growth rate dependent transcriptome profiling of *Escherichia coli* K12 MG1655 in accelerostat cultures // Journal of biotechnology (2010) Vol. 145, 1, p. 60-65.

\* Niidu, A., Kislitsõn, K., Paju, A., Lopp, M. Synthesis of key intermediate en route to novel carbasugar analogues // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010. p. P0103.

Noole, A., Kanger, T. Enantioselektiivne Henry reaktsioon N-iPr-bipiperidiini - Cu(OAc)<sub>2</sub> H<sub>2</sub>O kompleksi katalüsil // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 59.

Noole, A., Lippur, K., Metsala, A., Lopp, M., Kanger, T. Enantioselective Henry reaction catalyzed by Cull salt and bipiperidine // The journal of organic chemistry (2010) Vol. 75, p. 1313-1316.

Noormägi, A., Gavrilova, J., Smirnova, J., Tõugu, V., Palumaa, P. Zn(II) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin // Biochemical journal (2010) Vol. 430, p. 511-518.

Noormägi, A., Gavrilova, J., Smirnova, J., Tõugu, V., Palumaa, P. Zn(II) ions inhibit fibrillization of monomeric insulin // FEBS journal (2010) Vol. 277, Suppl. 1, p. 256.

Nõmm, S., Leibak, A., Vain, J., Miyawaki, F. Application of volume bounding box decomposition for surgeon's hand gestures recognition // IECON 2010 : 36th Annual Conference on IEEE Industrial Electronics Society : Glendale, Arizona, USA, 07–10 November, 2010 : proceedings. [Glendale] : IEEE, 2010. p. 1076-1080.

\* Nõmm, S., Leibak, A., Vain, J., Miyawaki, F. Application of volume bounding box decomposition for surgeon's hand gestures recognition // Abstracts IECON 2010 - ICELIE 2010 : 36th Annual Conference of the IEEE Industrial Electronics Society, 4th International Conference on E-Learning in Industrial Electronics, IES Industry Forum 2010 : Arizona, USA, 7–10 November 2010. Glendale : IEEE, 2010. p. 102.

\* Ojangu, E.-L., Järve, K., Talts, K., Paves, H., Truve, E. Redundant functions of class XI myosins of *Arabidopsis thaliana* // 5th EPSO Conference "Plants for Life" : Olos, 29.08.–2.09. [S.I.], 2010.

\* Olspert, A., Hébrard, E., Uffert, G., Kamsol, K., Peil, L., Fargette, D., Truve, E. Sobemovirus virulence protein VPg is a phosphoprotein // EMBO Workshop "Genomic approaches to interactions between plant viruses, their hosts and their vectors" : Fenestrelle, June 12–16. [S.I.], 2010. p. P32.

Olspert, A., Paves, H., Toomela, R., Tamm, T., Truve, E. Cocksfoot mottle sobemovirus coat protein contains two nuclear localization signals // Virus genes (2010) Vol. 40, 3, p. 423-431.

Orav, A., Kailas, T., Müürisepp, A.-M. Chemical investigation of the essential oil from berries and needles of common juniper (*Juniperus communis* L.) growing wild in Estonia // Natural product research (2010) Vol. 24, 19, p. 1789-1799.

Orav, A., Koel, M., Kailas, T., Müürisepp, A.-M. Comparative analysis of the composition of essential oils and supercritical carbon dioxide extracts from the berries and needles of Estonian juniper (*Juniperus communis* L.) // Procedia chemistry (2010) 2, p. 161-167.

Orav, A., Raal, A., Arak, E. Content and composition of the essential oil of *Chamomilla recutita* (L.)Rauschert from some European countries // Natural product research (2010) Vol. 24, 1, p. 48-55.

Orav, A., Sepp, J., Kailas, T., Müürisepp, A.-M., Arak, E., Raal, A. Composition of essential oil of aerial parts of *Chamomilla suaveolens* from Estonia // Natural product communications (2010) Vol. 5, 1, p. 133-136.

Orav, A., Viitak, A., Vaher, M. Identification of bioactive compounds in the leaves and stems of *Aegopodium podagraria* by various analytical techniques // Procedia chemistry (2010) 2, p. 152-160.

Otto, K., Katerski, A., Mere, A., Krunks, M. In2S3 õhukeste kilede sadestamine pihurstuspürolüüsmeetodil // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 60.

Paal, E. Algebra, geomeetria ja matemaatiline füüsika. 5. rahvusvaheline konverents, Bedlewo, Poola, 12.–16. oktoober 2009 // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 272-273.

Paal, E., Virkepu, J. Quantum of VII<sub>a</sub>, III<sub>a</sub>=1, V<sub>a</sub>=1 over the harmonic oscillator in semiclassical approximation // Proceedings of the Estonian Academy of Sciences (2010) Vol. 59, 4, p. 347-354.

Paal, E., Virkepu, J. 2D binary operadic Lax representation for harmonic oscillator // Koninklijke Vlaamse Academie van Belgie voor Wetenschappen en Kunsten. Brussels : Belgian Mathematical Soc Triomphe, 2010. p. 209-216.

\* Pahtma, M., Saar, R., Suurväli, J., Cavaillon, J.-M., Rüütel Boudinot, S. Effect of RGS16 silencing on monocyte activation // 14th International Congress of Immunology (ICI2010) : August 22–27, 2010, Kobe, Japan. [S.l.], 2010.

Pais, E. Identification of memory kernels in heat flow measuring heat flux at the ends of the bar // Mathematical modelling and analysis (2010) Vol. 15, 4, p.473-490.

Pais, E. Mitme muutuja funktsiooni ekstreemumi piisavad tingimused // Aastaraamat 2008 / Eesti Matemaatika Selts. Tartu : Eesti Matemaatika Selts, 2010. lk. 18-32.

\* Paju, A., Niidu, A., Lumi, P., Matkevitš, K., Oja, K., Pehk, T., Lopp, M. Catalytic asymmetric synthesis of  $\gamma$ -lactone acids // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010.

Paju, A., Niidu, A., Lumi, P., Matkevitš, K., Oja, K., Pehk, T., Lopp, M. Enantiomeersete laktoonhapete katalütiline asüümmeetriline süntees // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 61.

Paju, A., Päri, M., Selyutina, A., Žusinaite, E., Merits, A., Pehk, T., Siirde, K., Müürisepp, A.-M., Kailas, T., Lopp, M. Synthesis of novel acyclic nucleoside analogues with anti-retroviral activity // Nucleosides, nucleotides and nucleic acids (2010) Vol. 29, 9, p. 707-720.

Pallas, L. Tallinna Tehnikaülikooli sisestumiskatsete ülesanded matemaatikas // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 131-134.

\* Parve, O., Metsala, A., Tamp, S., Villo, L. Extending traditional area of lipases' application for prostanoid and hemiacetal chemistry // BIT's 1st Annual World Congress of Catalytic Asymmetric Synthesis : Beijing, China, 19.–21.05.2010.

Peikolainen, A.-L., Lõo, S., Koel, M. Süsinikaerogeelid ja nende modifitseerimine ionsetes vedelikes // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 62.

Pihlak, M. Maatrikstuletis ja -integraal // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 22-34.

Piirsoo, M., Kaljas, A., Tamm, K., Timmus, T. Expression of NGF and GDNF family members and their receptors during peripheral nerve development and differentiation of Schwann cells in vitro // Neuroscience letters (2010) Vol. 469, 1, p. 135-140.

Pustõnski, V.-V. Kuidas töötab tahkekütuse rakettmootor? // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 53-60.

Puusemp, P. Seminar "Algebra ja tema rakendused" // Aastaraamat 2008 / Eesti Matemaatika Selts. Tartu : Eesti Matemaatika Selts, 2010. lk. 107-109.

Puusemp, P. Leo Ainola 80 // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 190-193.

Puusemp, P. Arno Kass 80 // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 213-214.

Puusemp, P. Aksel Jõgi 75 // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 219-221.

Puusemp, P. 100 aastat sünnist : Claude Chevalley (1909–1084). Gerhard Gentzen (1909–1945). Stephen Cole Kleene (1909–1994). Saunders Mac Lane (1909–2005). Anatoli Ivanovitš Maltsev (1909–1967). Mark Aranovitš Naimark (1909–1978). Stanislaw Marcin Ulam (1909–1984) // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 230-247.

Puusemp, P. Abeli preemia 2009 // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 289-292.

Raal, A., Kanut, M., Orav, A. Annual variation of yield and composition of the essential oil of common juniper (*Juniperus communis* L.) branches from Estonia // Baltic forestry (2010) Vol. 16, 1, p. 50-56.

Reijenga, J.C., Seiman, A. Cleaning-up dirty isotachopherograms in time and frequency domain // Procedia chemistry (2010) 2, p. 67-75.

Robal, T., Lillepruun, M., Lõokene, A. Lipoproteiinlipaasi aktiivsuse regulatsioon angiopoietini-sarnase valgu 4 kaudu ning seda mõjutavad tegurid // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 69.

Rudi, Ü. Kolmas rahvusvaheline põlevkivisümpoosion // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 269-270.

Rüütel Boudinot, S. K&V : küsimused-vastused : [immuunsuse tugevusest] // Tarkade Klubi (2010) 10, lk. 6.

Saarma, M. Biotehnoloogilisi lähenemisi neurodegeneratiivsete haiguste raviks // Eesti Arst (2010) 9, lk. 536-544.

Saarma, M. RNA maailma avastamine // Tarkade Klubi (2010) erinumber, lk. 26.

Saarma, M. Närvikasvufaktorid ja neurodegeneratiivsete haiguste ravi // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 199-204.

Sanaker, P.S., Toompuu, M., Hogan, V.E., He, L., Tzoulis, C., Chrzanowska-Lightowers, Z.M., Taylor, R.W., Bindoff, L.A. Differences in RNA processing underlie the tissue specific phenotype of ISCU myopathy // Biochimica et biophysica acta (2010) Vol. 1802, 6, p. 539-544.

Santala, J., Samuilova, O., ... Järvekülg, L., Kotkas, K., ... et al. Detection, distribution and control of Potato mop-top virus, a soil-borne virus, in northern Europe // Annals of applied biology (2010) Vol. 157, 2, p. 163-178.

Sazhin, S., Kaplanski, F., Begg, S., Heikal, M. Vortex ring-like structures in a non-evaporating gasoline-fuel spray : simplified models versus experimental results // SAE Technical Papers : SAE, International Powertrains, Fuels & Lubricants Meeting, May 5-7. [S.l.] : Society of Automotive Engineers, 2010. SAE paper 2010-01-1491, [16] p.

Sauga, M. Mida arvad, mida tead? // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 31-38.

Schmitz, A., Thormann, W., Moessner, L., Theurillat, R., Helmja, K., Mevissen, M. Enantioselective CE analysis of hepatic ketamine metabolism in different species in vitro // Electrophoresis (2010) Vol. 31, 9, p. 1506-1516.

Seiman, A., Makarõtševa, N., Vaher, M., Kaljurand, M. The detection of nerve agent degradation products in different soil fractions using capillary electrophoresis with contactless conductivity detection // Chemistry and ecology (2010) Vol. 26, Suppl., p. 145-155.

Seiman, A., Reijenga, J.C. Cross-correlation capillary electrophoresis in unmodified commercial equipment // Procedia chemistry (2010) 2, p. 59-66.

Seiman, A., Reijenga, J. Korrelatsioon kapillarelektroforeesi katsed kasutades modifitseerimata komertsiaalset instrumenti // XXXI Eesti keemiapäevad : teaduskonverentsi teesid. Tallinn : Eesti Keemia Selts, 2010. lk. 73.

\* Simm, J., Sugiyama, M., Kato, T. Multi-task learning with least-squares probabilistic classifiers // IEICE technical reports (2010) 110, no.188, IBISML2010-33, p. 51-56.

Sinivee, V. Kuulame ...valgust! // Tallinna Tähetorni kalender 2010. Tallinn : Tallinna Tehnikaülikool, [2010]. lk. 61-62.

Soesoo, A. K&V : küsimused-vastused : Mis jäab maa alt välja pumbatud nafta asemele? : [vastab A. Soesoo] // Tarkade Klubi (2010) 6, lk. 8-9.

Soesoo, A. Maasoojuse kasutamine Eestis – kauge unistus või lähituleviku võimalus? // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 263-265.

Stulova, I., Adamberg, S., Kriščiunaite, T., Kampura, M., Blank, L., Laht, T.-M. Microbiological quality of raw milk produced in Estonia // Letters in applied microbiology (2010) Vol. 51, p. 683-690.

\* Stulova, I., Taivosalo, A., Blank, L., Laht, T.-M. Characterisation of the dynamics of the lactic acid bacterial population of finnish and estonian open texture cheeses // 22nd International ICFMH Symposium Food Micro2010 : Copenhagen, 30th August–3rd September : abstract book. Copenhagen, 2010. p. 77.

\* Suurväli, J., Saar, R., Pahtma, M., Veide, A., Adib-Conquy, M., Cavaillon, J., Rüütel Boudinot, S. RGS16 is involved in the TLR- mediated expression of proinflammatory cytokines and the receptors CD14 and C5aR // 14th International Congress of Immunology (ICI2010) : August 22–27, 2010, Kobe, Japan. [S.I.], 2010.

Škerget, K., Taler-Veričić, A., Kumm, T., Palumaa, P. et al. Interaction between oligomers of stefin B and amyloid- $\beta$  in vitro and in cells // Journal of biological chemistry (2010) Vol. 285, 5, p. 3201-3210.

Zekker, I., Tenno, T., Tenno, T., Lemmiksoo, V., Rikmann, E., Menert, A., Kolberg, K. Research of specific nitrite oxidation rate on high surfaced biofilms carriers with free ammonia and temperature variations // 3rd EuChemS Chemistry Congress : Chemistry – the Creative Force : 29.08.–02.09.2010, Nürnberg, Germany : [abstracts]. Nürnberg, 2010. [1] p.

Zeller, K.S., Idevall-Hagren, O., Stefansson, A., Velling, T., Jackson, S.P., Downward, J., Tengholm, A., Johansson, S. PI3-kinase p110 $\alpha$  mediates  $\beta$ 1 integrin-induced Akt activation and membrane protrusion during cell attachment and initial spreading // Cellular signalling (2010) Vol. 22, 12, p. 1838-1848.

Zovo, K., Helk, E., Karafin, A., Tõugu, V., Palumaa, P. Label-free high-throughput screening assay for inhibitors of Alzheimer's amyloid- $\beta$  peptide aggregation based on MALDI MS // Analytical chemistry (2010) Vol. 82, p. 8558-8565.

Zusmanovich, P. On  $\delta$ -derivations of Lie algebras and superalgebras // Journal of algebra (2010) Vol. 324, 12, p. 3470-3486.

Tamberg, G. On truncation errors of some generalized Shannon sampling operators // Numerical algorithms (2010) Vol. 55, 2/3, p. 367-382.

Tamberg, G. On approximation properties of Shannon sampling operators with averaged and dilated bandlimited kernels // I Jaen Conference on Approximation Theory : Úbeda, Jaén, Spain, July 4th–9th, 2010 : [abstracts]. [S.I.], 2010. p. 171-172.

Tamm, E. Pythagorase koma // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 18-21.

Timmusk, T. Käelisuse ja skisofreenia seostest // Horisont (2010) 5, lk. 6.

\* Timofejeva, L., Lee, S., Skibbe, D., Golubovskaya, I., Wang, C.-J., Harper, L., Walbot, V., Cande, Z. Novel maize mutants impaired in cell differentiation during anther development // 52nd Annual Maize Genetics Conference : Riva del Garda (Trento), Italy, March 18–21, 2010. [Milano], 2010. p. 85.

Truve, E. Matemaatika-loodusteaduskond – mõtteid olevikust ja tulevikust // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 16-18.

Truve, E. Bioloogia tehnikaülikoolis? // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 240-242.

Truve, E., Sõmera, M., Sarmiento Guerin, M.C. Taimeviiruste ja taimede kaitsemehhanismide uurimine // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 193-198.

Tulp, I., Dobchev, D.A., Katritzky, A.R., Acree, W.Jr., Maran, U. A general treatment of solubility 4, Description and analysis of a PCA model for Ostwald solubility coefficients // Journal of chemical information and modeling (2010) Vol. 50, 7, p. 1275-1283.

Tätte, T., Kolesnikova, A.L., Hussainov, M., Talviste, R., Lõhmus, R., Romanov, A.E., Hussainova, I., Part, M., Lõhmus, A. Crack formation during post-treatment of nano- and microfibres prepared by sol-gel technique // Journal of nanoscience and nanotechnology (2010) Vol. 10, 9, p. 6009-6016.

Uudsemaa, M., Kanger, T., Lopp, M., Tamm, T. pKa calculation for monoprotonated bipiperidine, bimorpholine and their derivates in H<sub>2</sub>O and MeCN // Chemical physics letters (2010) Vol. 485, p. 83-86.

Vaarmann, O. Dekompositiooni-koordinatsiooni meetoditest multikriteriaalses optimeerimises // Aastaraamat 2009 / Eesti Matemaatika Selts. Tallinn : TTÜ, 2010. lk. 76-87.

Vaarmann, O. Operational research methodology in multicriteria decision making // Globaalnekriis : depressioonist innovatsioonini. Tallinn : Eesti-Ameerika Äriakadeemia, 2010. p. 178-183.

Vaher, M., Matso, K., Levandi, T., Helmja, K., Kaljurand, M. Phenolic compounds and the antioxidant activity of the bran, flour and whole grain of different wheat varieties // Procedia chemistry (2010) 2, p. 76-82.

\* Valarik, M., Jakobson, I., Timofejeva, L., Kladivova, M., Järve, K., Dolezel, J. Precise mapping the powdery mildew resistance locus QPm.tut-4A in wheat using barley, brachypodium, and

rice collinear regions // Plant & Animal Genome XVIII Conference : San Diego, 2010. [San Diego], 2010. p. P332.

Varikmaa, M., Metsis, M., Guzun, R., Käämbre, T., Grichine, A., Saks, V. Novel method for investigation of interactions between mitochondrial creatine kinase and adenine nucleotide translocase // Biophysical journal (2010) Vol. 98, Iss. 3, Suppl. 1, p. 735a.

Wells, S., Conran, J., Tamme, R., Gaudin, A., Webb, J., Lardelli, M. Cryptic organisation within an apparently irregular rostrocaudal distribution of interneurons in the embryonic zebrafish spinal cord // Experimental cell research (2010) Vol. 316, 19, p. 3292-3303.

\* Villo, L., Pehk, T., Parve, O. A chemoenzymatic stereoselective synthesis of deoxy sugar esters of amino acids // Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27–30, 2010. Riga, 2010.

Vilu, R. Management of microbial resources in human environment – new era // Ninth Annual ScanBalt Forum "Healthy future" : September 22–24, 2010 : Tallinn, Estonia. [Tartu : Eesti Biotehnoloogia Liit], [2010]. p. 55.

\* Voodla, K., Rumvolt, R., Drews, M. Extract of selenium-enriched yeast enhances growth and production parameters of Mammalian Cell Lines in serum-free suspension cultures // 14th International Biotechnology Symposium and Exhibition. Biotechnology for the Sustainability of Human Society : 14–18 September, Rimini, Italy 2010. [Rimini], 2010. p. P 1533.

Übner, M., Kaljurand, M., Lopp, M. Humic substances as a background electrolyte in capillary electrophoresis // Chemistry and ecology (2010) Vol. 26, Suppl., p. 157-165.

\* Yamada, M., Sugiyama, M., Wichern, G., Simm, J. Improving the accuracy of least-squares probabilistic classifiers // IEICE technical reports (2010) 110, no. 188, IBISML2010-32, p. 45-50.

## MEHAANIKATEADUSKOND

### Raamatud

Coatanéa, E., Deniaud, S., Köhn, C., Sell, R., Seiler, S. Study modules for system engineering & automotive sector. [S.I.] : Belfort-Montbéliard University of Technology, 2010. 78 p.

Gregor, A. Hard PVD coatings for tooling. Tallinn : TUT Press, 2010. 165 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 54).

Hendrik Arro : publikatsioonid = Hendrik Arro : publications. Tallinn : TTÜ, 2010. 69 lk.

Hlebnikov, A. The analysis of efficiency and optimization of district heating networks in Estonia. Tallinn : TUT Press, 2010. 153 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 51).

Joost, R. Novel methods for hardmetal production and recycling. Tallinn : TUT Press, 2010. 119 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 53).

Karaulova, T. Tool for analysis of production processes : integration of structural analysis methods and reliability estimation for manufacturing processes. Saarbrücken : VDM Verlag Dr. Müller, 2010. 116 p.

Kramerenko, S. Fractal approach for multiple project management in manufacturing enterprises. Tallinn : TUT Press, 2010. 94 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 57).

Kriis, R. (koost.) ; (toim.) Lehtse, U.-R., Ots, A. Kümme aastat Eesti Soojustehnikainseneride Seltsi 2000–2010. Tallinn, 2010. 111 lk.

Kulu, P., Saarna, M., Tarbe, R., Kers, J., Veinthal, R. (koost.). Materjaliõpetuse praktikumide ja kodutööde juhendid. [Tallinn] : TTÜ, 2010. 136 lk.

Küttner, R. (ed.). Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I, II]. Tallinn : Tallinn University of Technology, c2010. 278 p., 279-588 p.

Laaneots, R., Kulderknup, E., Riim, J. (koost.). Kauba ja materjali massi mõõtmise kaalumisega : mõõtemetoodika. [Tallinn] : Eesti Standardikeskus, 2010. 30 lk. (Eesti standard ; EVS 745:2010).

Laaneots, R., Kulderknup, E., Riim, J. (koost.). Tükikauba koguse mõõtmine : mõõte-metoodika. [Tallinn] : Eesti Standardikeskus, 2010. 11 lk. (Eesti Standard ; EVS 746:2010).

Laansoo, A. Keevitamine : MIG/MAG-keevitus. [Tallinn] : Argo, 2010. 87 p.

Laansoo, A. (tlk.). Keevitajate atesteerimine. Sulakeevitus. Osa 1, Terased. [Tallinn] : Eesti Standardikeskus, 2010. II, 38 lk. (Eesti standard ; EVS-EN 287-1:2004+A2:2006).

Laansoo, A. (tlk.). Keevitajate atesteerimine. Sulakeevitus. Osa 2, Alumiinium ja alumiiniumsulamid (ISO 9606-2:2004). [Tallinn] : Eesti Standardikeskus, 2010. II, 37 lk. (Eesti standard ; EVS-EN ISO 9606-2:2005).

Laansoo, A. (tlk.). Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus. Osa 1, Sulakeevitus (ISO 6520-1:2007). [Tallinn] : Eesti Standardikeskus, 2010. II, 53 lk. (Eesti standard ; EVS-EN ISO 6520-1:2008).

Nekrassov, G. Tool for workholder design : development of an intelligent integrated environment for computer-aided-design. Saarbrücken : Lambert Academic Publishing, 2010. 96 p.

Otto, T. (tlk.). Soojusarvestid. Osa 3, Andmehetut ja liidesed. [Tallinn] : Eesti Standardikeskus, 2010. II, 32 lk. (Eesti standard ; EVS-EN 1434-3:2008).

Petrishenko, A. Vibration of ladder frames. Tallinn : TUT Press, 2010. 111 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 52).

Roosaar, T. Wear performance of WC- and TiC-based ceramic-metallic composites. Tallinn : TUT Press, 2010. 94 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 55).

Sell, R., Leini, M., Salong, P. Mikrokontrollerid ja praktiline robootika. Tallinn : TTÜ, 2010. 219 lk.

Sergejev, F. Durability of WC-CO hardmetals and TiC-based cermets : investigation of the fatigue mechanics aspects of PM hardmetals and cermets. Saarbrücken : VDM Verlag Dr. Müller, 2010. 100 p.

Sivitski, A. Sliding wear of PVD hard coatings : fatigue and measurement aspects. Tallinn : TUT Press, 2010. 107 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 56).

Shevtshenko, E. Intelligent decision support system for industrial enterprises : collaboration in the enterprise networks. Saarbrücken : Lambert Academic Publishing, 2010. 109 p.

Tammaru, T. (tlk.). Juhised ISO 9001:2000 statistiliste meetodite kasutamiseks. [Tallinn] : Eesti Standardikeskus, 2010. II, 28 lk. (Tehniline aruanne ; ISO/TR 10017:2003).

Tiidemann, T. 36 mõtlemisvõtet loovas probleemihenduses TRIZ : õpik-käsiraamat. [Tallinn] : Külim, 2010. 96 lk.

Vares, V. (tlk.). Tahked biokütused. Kütuste spetsifikatsioon ja klassid. Osa 1, Üldised nõuded. [Tallinn] : Eesti Standardikeskus, 2010. II, 56 lk. (Eesti standard ; EVS-EN 14961-1:2010).

## **Artiklid**

Aavik, T., Kask, Ü. Pilliroo energеetilise kasutamise tehnilis-majanduslikud ja keskkonnakaitsete aspektid // TEUK XII : taastuvate energiaallikate uurimine ja kasutamine : kaheteistkümnenda konverentsi kogumik. Tartu : Eesti Maaülikool, 2010. lk. 19-32.

Adoberg, E. Vanast lõiketerast saab teha uue // Inseneeria (2010) 9, lk. 34-36.

Adoberg, E., Surženkov, A., Podgurski, V., Peetsalu, P., Kulu, P. Pre- and posttreatment effect to the surface properties of thin hard coatings // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 44.

Aleksandrov, D., Penkov, I. Energy saving types of mini unmanned aerial vehicles // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 117-120.

Aleksandrov, D., Penkov, I. Fluid flow optimization on semiautomatic code marker base // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 306-308.

Andrijevskaia, J., Kask, Ü. Biolagunevad jäätmed mootorikütuseks – Soome-Eesti projekti tutvustus // Eesti Põlevloodusvarad ja -jäätmned (2010) nr. 1-2, lk. 25-26.

\* Annert, K., Vent, M., Dedova, T., Kärber, E., Oja Acik, I., Volobujeva, O., Mere, A., Krunks, M., Mikli, V. Impacts of different solvents and substrates on properties of zinc oxide nanorod layers prepared by chemical spray pyrolysis // Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27–28, 2010, Kaunas, Lithuania. [S.I.] : Lithuanian Energy Institute, 2010. p.301-309.

Antonov, M., Hussainova, I. Cermets surface transformation under erosive and abrasive wear // Tribology international (2010) Vol. 43, p. 1566-1575.

\* Antonov, M., Hussainova, I., Pirso, J., Juhani, K. Effect of oxidation on abrasive wear behaviour of TiC-based cermets in SiO<sub>2</sub> medium // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 510-515.

\* Antonov, M., Hussainova, I., Pirso, J., Juhani, K. Effect of oxidation on abrasive wear of TiC-based cermets at various temperatures // Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06–11.06.2010, Storforsen, Sweden. Lulea : Lulea University of Technology, 2010. p. 0054 [CD-ROM].

Antonov, M., Hussainova, I., Pirso, J., Juhani, K., Viljus, M. Effect of oxidation on abrasive wear behaviour of titanium carbide based composites in silica medium // Estonian journal of engineering (2010) Vol. 16, 4, p. 264-272.

\* Antonov, M., Karlsson, L., Sergejev, F., Hussainova, I. Estimation of buttons resistance to rock drilling using laboratory surface fatigue test // Proceedings of 37th Leeds-Lyon symposium on Tribology : Leeds, 7th–10th September 2010. Leeds : Leeds University Press, 2010. [1] p.

Arjassov, G., Barashkova, T., Gornostajev, D., Petritshenko, A. Generalization of the method of finite differences // Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20–23rd October 2010, Zadar, Croatia. Vienna : DAAAM International Vienna, 2010. p. 547-548.

Arjassov, G., Barashkova, T., Pelõhh, V. Uncertainty estimation of damage factor of materials properties under the plasma influence // Journal of international scientific publications : materials, methods & technologies (2010) Vol. 4, 2, p. 307-313.

Arro, H. Quo vadis, Eesti? // Kultuur ja Elu (2010) 2, lk. 66-67.

Aruväli, T., Otto, T., Preden, J. Modern monitoring opportunities in shopfloor // Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20–23rd October 2010, Zadar, Croatia. Vienna : DAAAM International Vienna, 2010. p. 989-990.

Aruväli, T., Serg, R., Otto, T., Preden, J. Monitoring of manufacturing machinery using smart dust applications // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 209-213.

Aruväli, T., Serg, R., Preden, J., Otto, T. Smart dust applications in production environment // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 572-577.

Baškite, V., Moseichuk, V., Zahharov, V., Karaulova, T. Green aspects application in product life cycle engineering // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 111-116.

Baškite, V., Moseichuk, V., Karaulova, T. Combination of end-of-life strategies for extension of industrial equipment life cycle // Journal of machine engineering (2010) Vol 10, 4, p. 76-88.

Besterci, M., Dobeš, F., Kulu, P., Sülleiova, K. Using small punch testing method for the analysis of creep behaviour of Al-Al4C3 composites // Estonian journal of engineering (2010) Vol. 16, 3, p. 243-254.

Bjorklund, S., Pribytkova, M., Karaulova, T. Development the maintenance plan : maintenance activities on operational level // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 286-291.

Dahms, S., Kulu, P., Veinthal, R., Basler, U. Joining of CrNi steel and AlMg alloy without interlayers // Estonian journal of engineering (2010) Vol. 16, 4, p. 273-284.

\* Dementjeva, N., Siirde, A. Analysis of the current Estonian energy situation and adaptability of LEAP model for Estonian energy sector // Energetika (2010) Vol. 56, 1, p. 75-84.

\* Dementjeva, N., Siirde, A. Energy planning models analysis and their adaptability for Estonian energy sector // 11th IAEE European Conference, "Energy Economy, Policies and Supply Security : Surviving the Global Economic Crisis" August 25–28, 2010. [S.I.] : IAAE, 2010. p. 205-207.

Goljandin, D., Sarjas, H., Kulu, P., Surženkov, A., Mikli, V., Käerdi, H. Composite powders based on iron self-fluxing alloy and recycled cermet powders for thermal spray // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 40.

Grossschmidt, G., Harf, M. Simulation of hydraulic circuits in an intelligent programming environment. Part 1 // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 148-153.

Grossschmidt, G., Harf, M. Simulation of hydraulic circuits in an intelligent programming environment. Part 2 // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 154-161.

Gusca, J., Naroznova, I., Blumberga, D., Volkova, A. Carbon capture and storage : cost analysis of electricity production for Latvia // International journal of energy (2010) Vol. 4, 3, p. 37-45.

Gusca, J., Naroznova, I., Blumberga, D., Volkova, A. Modelling of a carbon capture and storage system for the Latvian electricity sector // Proceedings of the 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'10) : Timisoara, Romania, October 21–23, 2010 : Selected Topics in Energy, Environment, Sustainable Development and Landscaping. [S.I.] : WSEAS, 2010. p. 415-421.

Hiiemaa, M., Tamre, M. Reconfigurable battery pack for unmanned ground vehicle // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 200-203.

Hiiemaa, M., Tamre, M. Intelligent energy management of unmanned ground vehicle // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 542-547.

Hiiemaa, M., Tamre, M. Practical issues in utilizing intelligent motion control layer in UGV-type robots // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 190-192.

Hindreus, T., Kaljas, F., Martin, A., Tähemaa, T., Reedik, V. On synergy deployment in engineering design // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 84-89.

Hlebnikov, A. Eesti kaugkütte soojusvõrkude efektiivsust saab 2-3 korda tõsta // Inseneeria (2010) 9, lk. 38-40.

Hlebnikov, A., Volkova, A., Dzuba, O., Poobus, A., Kask, Ü. Damages of the Tallinn district heating networks and indicative parameters for an estimation of the networks general condition // Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies (2010) Vol. 5, p. 49-55.

Hudjakov, R., Tamre, M. Aerial imagery terrain classification for long-range autonomous navigation // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 530-535.

Hussainova, I., Hamed, E., Jasiuk, I. Испытание наноиндентированием и моделирование композитов на основе карбида хрома // Mechanics of composite materials (2010) Vol. 46, 6, p. 1-18.

Hussainova, I., Jasiuk, I., Hussainov, M. Application of nanoindentation for constituent phases testing in ceramic-metal composites // Technical proceedings of the 2010 NSTI Nanotechnology Conference & Expo – Nanotech 2010. Vol. 1, Nanotechnology 2010 : Advanced Materials, CNTs, Particles, Films and Composites. [S.l.] : Taylor & Francis, 2010. p. 152-155.

\* Hussainova, I., Kimmari, E., Kollo, L., Jasiuk, I. Microstructure and mechanical characterization of WC-based composites doped by zirconia // Proceedings of 16th International Conference on Mechanics of Composite Materials : MCM 2010 : May 24–28, Riga, Latvia. Riga : Institute of Polymer Mechanics, 2010.

\* Hussainova, I., Kollo, L., Smirnov, A., Viljus, M. Processing and mechanical characterization of WC-ZrO<sub>2</sub>-Ni hybrids // World PM2010 proceedings. Vol. 3, Sintered Steel, PM Tool Materials. Shrewsbury : European Powder Metallurgy Association, 2010. p. 583-590.

\* Hussainova, I., Manaseryan, L., Khachatryan, H., Hobosyan, M., Kharatyan, S. Combustion synthesis of TiC-ZrC composite powder : role of mechanical activation // World PM2010 proceedings. Vol.2, Sintering, Secondary and Finishing Operations, Full Density and

Alternative Consolidation. Schrewsbury : European Powder Metallurgy Association, 2010. p. 181-188.

Ibrahim, A., Abdel Hamid, Z., Abdel Aal, A. Investigation of nanostructured and conventional alumina-titania coatings prepared by air plasma spray process // Materials science and engineering : A - structural materials: properties, microstructure and processing (2010) Vol. 527, 3, p. 663-668.

Ilves, R., Mikita, V., Traat, Ü., Gregor, A. Common rail diesel feed system diagnosing technology // Agronomy research (2010) Vol. 8, S1, p. 74-78.

\* Jasiuk, I., Hussainova, I., Hamed, E. Mechanical characterization and modeling of chromium carbide based composites // Proceedings of 16th International Conference on Mechanics of Composite Materials : MCM 2010 : May 24–28, Riga, Latvia. Riga : Institute of Polymer Mechanics, 2010.

Joost, R., Letunovitš, S., Pirso, J., Juhani, K. The wear resistance tests of cermets and relations between different types of wear // Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06–11.06.2010, Storforsen, Sweden. Lulea : Lulea University of Technology, 2010. [6] p. [CD-ROM].

Joost, R., Pirso, J., Tenno, T., Viljus, M. Effect of free carbon on the mechanical and tribological properties of cemented carbides // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 450-455.

Juhani, K., Pirso, J., Viljus, M. Slurry erosion wear of TiC-NiMo and WC-Co cermets // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 456-461.

Juurma, M. An image processing algorithm for decoding line type code // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 193-197.

Juurma, M., Ehala, J., Tamre, M. Design of passive Bokode marker // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 131-133.

Juurma, M., Tamre, M. Improvement of timber code reading methods // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 548-553.

Jõgi, G., Bashkite, V., Karaulova, T. Analysis first waste-to-energy plant production line at Kunda Nordic Cement AS // Proceedings of the 7th International Conference of DAAAM

Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 358-363.

Jõgi, G., Bashkite, V., Karaulova, T. Waste management : energy recovery from solid waste // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 250-255.

Karjust, K., Küttner, R., Pääsuke, K. Adaptive web-based quotation generic module for SME's // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 375-380.

Karjust, K., Pohlak, M., Majak, J. Optimal adhesion measuring methods of the glass-fiber reinforcement layer // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 232-237.

Karjust, K., Pohlak, M., Majak, J. Technology route planning of large composite parts // International journal of material forming (2010) Vol. 3, Suppl. 1, p. 631-634.

Karjust, K., Pohlak, M., Majak, J. Optimal adhesion measuring methods of the glass fibre reinforcement layer // Estonian journal of engineering (2010) Vol. 16, 4, p. 297-306.

\* Karjust, K., Pohlak, M., Majak, J. Optimal adhesion area of the glass-fiber reinforcement layer // 14th European Conference on Composite Materials : 7–10 June 2010, Budapest, Hungary. Budapest : Budapest University of Technology, 2010. [10] p.

Kask, Ü., Andrijevskaia, J. Biojäätmed mootorikütuseks // Keskkonnatehnika (2010) 4, lk. 10.

Kask, Ü., Kask, L., Paist, A. Luhakein kui energеetiline toore // Elektriala (2010) 6, lk. 10-11 ; 7, lk. 10-11.

Kask, Ü., Kask, L. Looduslike ja poollooduslike rohumaade energiapotentsiaal // Eesti Põlevloodusvarad ja -jäätmed (2010) 1/2, lk. 22-24.

Kers, J. Uudne tehnoloogia väikese tihedusega vahtplastide tootmiseks (projekt Light foam) // Keskkonnatehnika (2010) 1, lk. 29-31.

Kers, J. Bioplastid ja bioplasttooted // Keskkonnatehnika (2010) 8, lk. 24-27.

Kers, J. Linakasvatus, linaku tootmine ja linakomposiidid // Keskkonnatehnika (2010) 5, lk. 32-35.

Kers, J., Goljandin, D., Saarna, M., Aruniit, A., Tall, K. Majak, J. Particulate filled composite plastic materials from recycled GFRP // Baltic Polymer Symposium 2010 : Palanga, September 8–11, 2010 : programme and abstracts. Kaunas : Technologija, 2010. p. 15.

Kers, J., Goljandin, D., Tall, K., Aruniit, A., Adoberg, E., Saarna, M., Majak, J. Modelling and testing of the properties of recovered composite material // Proceedings of the Tenth International Conference on Computational Structures Technology : Valencia, Spain, 14–17 September 2010. Stirlingshire : Civil-Comp Press, 2010. Paper 81. (Civil-Comp proceedings ; 93).

Kers, J., Goljandin, D., Vilsaar, K., Tall, K., Mikli, V., Zuo, X., Zhang, L., Schuman, T. Characterization of disintegrator milled electronic waste powders for materials recovery // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 492-497.

Kers, J., Krizan, P., Letko, M. Mechanical recycling of compounded plastic waste for material valorization by briquetting // Scientific journal of Riga Technical University. Series 1, Material science and applied chemistry (2010) Vol. 21, p. 39-44.

Kers, J., Križan, P., Letko, M., Šooš, L., Kask, Ü., Gregor, A. Mechanical recycling of compounded polymeric waste and evaluation of briquetting parameters // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 468-473.

Kers, J., Kulu, P., Aruniit, A., Laurmaa, V., Križan, P., Šooš, L., Kask, Ü. Determination of physical, mechanical and burning characteristics of polymeric waste material briquettes // Estonian journal of engineering (2010) Vol. 16, 4, p. 307-316.

Kers, J., Majak, J., Goljandin, D., Gregor, A., Malmstein, M., Vilsaar, K. Extremes of apparent and tap densities of recovered GFRP filler materials // Composite structures (2010) Vol. 92, 9, p. 2097-2101.

\* Kers, J., Majak, J., Goljandin, D., Saarna, M., Gregor, A., Siinmaa, A., Tall, K. Design and testing of new composite from recycled GFRP // 14th European Conference on Composite Materials : 7–10 June 2010, Budapest, Hungary. Budapest : Budapest University of Technology, 2010. [10] p.

Kers, J., Peetsalu, P., Saarna, M., Viikna, A., Krumme, A., Menind, A. Preliminary investigation into tensile characteristics of long flax fibre reinforced composite material // Agronomy research (2010) Vol. 8, S1, p. 107-114.

Klaasen, H., Kübarsepp, J., Laansoo, A., Viljus, M. Reliability of dual compounds “carbide composite+steel” produced by diffusion welding // International journal of refractory metals and hard materials (2010) Vol. 28, 5, p. 580-586.

Klaasen, H., Kübarsepp, J., Roosaar, T., Viljus, M., Traksmaa, R. Adhesive wear performance of hardmetals and cermets // Wear (2010) Vol. 268, 9/10, p. 1122-1128.

Klevtsov, I., Dedov, A. Experience in tensile properties determination by small punch test // Metallurgical journal (2010) LXIII, Special issue, p. 128-132.

\* Kollo, L., Leparoux, M., Bradbury, C.R., Kommel, L., Carreno-Morelli, E., Rodriguez-Arbaizar, M. Hardness of hot consolidated Al-SiC nanocomposites from planetary milled powders // World PM2010 proceedings. Vol. 1, Powder Manufacturing and Processing, Miniaturization and Nanotechnology, Powder Pressing. Schrewsbury : European Powder Metallurgy Association, 2010. p. 341-346.

Kollo, L., Leparoux, M., Bradbury, C., Jäggi, C., Carreno-Morelli, E., Rodriguez-Arbaizar, M. Investigation of planetary milling for nano-silicon carbide reinforced aluminium metal matrix composites // Journal of alloys and compounds (2010) Vol. 489, p. 394-400.

Kommel, L. Properties development of ultrafine-grained copper under hard cyclic viscoplastic deformation // Materials letters (2010) Vol. 64, p. 1580-1582.

Kommel, L. New technique for characterization of microstructure of the nickel-base superalloy // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 498-503.

Kommel, L. Microstructure evolution in titanium alloys enforced by Joule heating and severe plastic deformation concurrently // Journal of manufacturing technology research (2010) Vol. 2, 1/2, p. 59-76.

Kommel, L., Kimmari, E., Viljus, M. Phases properties of SC superalloy measured by nanoindentation // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 22.

Kommel, L., Kollo, L. Composites compaction by severe plastic deformation // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 29.

\* Kommel, L., Kollo, L. Production of hard refractory compounds on base of aluminium and boron carbide powders // World PM2010 proceedings. Vol. 2, Sintering, Secondary and Finishing Operations, Full Density and Alternative Consolidation. Schrewsbury : European Powder Metallurgy Association, 2010. p. 337-343.

Kommel, L., Straumal, B. Diffusion in SC Ni-base superalloy under viscoplastic deformation // Defect and diffusion forum (2010) Vols. 297/301, p. 1340-1345.

Kommel, L., Traksmaa, R., Kommel, I., Saarma, M. X-ray diffraction studies of nanocrystalline niobium // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 20.

\* Križan, P., Kers, J. Parameters determination of compacted briquettes from municipal waste // Proceedings of the full papers of 13th international conference on Mechanical

Engineering 2010 : Bratislava, October 2010. Bratislava : Slovak University of Technology, 2010. p. S3-48 - S3-56.

\* Krupenski, I., Kartushinsky, A., Siirde, A. Numerical simulation of uprising gas-solid particle (oil-shale ash) turbulent flow in CFB by different mathematical models // Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27–28, 2010, Kaunas, Lithuania. Kaunas : Lithuanian Energy Institute, 2010.

Kulderknup, E., Raba, K. Improvement of circuit boards testing set calibration // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 525-529.

Kull, A. TTÜ soojustehnika instituut ESTISe hälli juures // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 20-22.

Kulu, P. Elu täis tõmmet metallide poole // Inseneeria (2010) 3, lk. 20-21.

Kulu, P. Insenerikoolitusest mehaanikateaduskonnas // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 19-24.

Kulu, P., Gregor, A., Saarna, M., Sivitski, A., Sergejev, F., Surženkov, A. Characterization of coating systems by indentation method // Acta metallurgica Slovaca conference (2010) 1, p. 616-624.

\* Kulu, P., Kers, J., Kask, Ü., Šooš, L., Križan, P., Letko, M. Thermal analysis of refuse-derived fuel briquettes manufactured by different technologies // Proceedings of the full papers of 13th international conference on Mechanical Engineering 2010 : Bratislava, October 2010. Bratislava : Slovak University of Technology, 2010. p. P31-P36.

\* Kulu, P., Saarna, M., Sergejev, F., Gregor, A., Sivitski, A., Müller, H. Surface fatigue and wear resistance of thin and thick hard coatings // IFHTSE International Federation for Heat Treatment and Surface Engineering 18th Congress : July 26–30, 2010, Rio de Janeiro, Brazil : [CD-ROM]. [S.I.], 2010.

\* Kulu, P., Saarna, M., Sergejev, F., Gregor, A., Surženkov, A. Selection of coating systems and processes for different wear conditions // Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06–11.06.2010, Storforsen, Sweden. Lulea : Lulea University of Technology, 2010. [8] p. [CD-ROM].

\* Kärber, E., Dedova, T., Oja Acik, I., Krunks, M., Mere, A., Mikli, V. Determination of charge carrier density in zinc oxide nanorods prepared by chemical spray pyrolysis // Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27–28, 2010, Kaunas, Lithuania. Kaunas : Lithuanian Energy Institute, 2010. p. 340-344.

\* Külaots, I., Link, S., Arvelakis, S. Adsorption properties of wheat straw, reed and douglas fir chars // International Carbon 2010 conference : July 11th to July 16th, Clemson, SC, USA. [S.I.], 2010.

Küttner, R. (comp.). Division of informatics and engineering // Estonian Academy of Sciences year book 2009. Tallinn, 2010. p. 27-28.

Küttner, R. (koost.). Informaatika ja tehnikateaduste osakond // Eesti Teaduste Akadeemia aastaraamat 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 24-25.

Küttner, R. [Ettekanne Akadeemia üldkogu aastakoosolekul] // Eesti Teaduste Akadeemia aastaraamat 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 61-62.

Küttner, R., Otto, T. Preface // Estonian journal of engineering (2010) Vol. 16, 4, p. 263.

Laaneots, R., Riim, J., Leibak, A. Evalution method of coating thickness of coating thickness standard // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 245-250.

Лаанеотс, Р.А., Рийм, Ю.Р. Метод калибровки эталонов толщины покрытия // Системи обробки інформації (2010) Випуск 4 (85), с. 96-100.

Laansoo, A., Kübarsepp, J., Vainola, V. Brazing of TiC cermet to steel // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 480-485.

Latõšov, E., Kleesmaa, J., Siirde, A. The impact of pollution charges, ash handling and carbon dioxide to cost competitiveness of fuel sources for energy production in Estonia // Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies (2010) Vol. 4, p. 58-63.

Latõšov, E., Siirde, A. Heat load model for small-scale CHP planning // Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010. [S.I.], 2010. [4] p. [CD-ROM].

Lavrentjev, J., Rämmal, H. Acoustic analysis of small engine catalytic converters : SAE 2010-32-0022 // SAE technical papers (2010) [12] p.

Lemmik, R. An OLAP cube based development method of information systems // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, 2010. p. 584-588.

Lemmik, R. Model-driven development method of the virtual data warehouse // BEC 2010 : proceedings of the 12th Biennial Baltic Electronics Conference : October 4–6, 2010, Tallinn, Estonia. [Tallinn] : Tallinn University of Technology, 2010. p. 197-200.

Lemmik, R., Karjust, K., Koov, K. Service oriented and model-driven development methods of information systems // Proceedings of the 7th International Conference of DAAAM Baltic

Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 404-408.

Lille, H., Kõo, J., Rjabtšikov, A., Toropov, S., Veinthal, R., Surzhenkov, A. Comparative analysis of residual stresses in flame-sprayed and electrodeposited coatings using substrate deformation and hole-drilling methods // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, 2010. p. 474-479.

Lille, H., Kõo, J., Rjabtšikov, A., Veinthal, R., Mikli, V. Residual stresses and their relaxation in brush-plated gold and silver coatings // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 39.

Lind, L., Peetsalu, P., Põdra, P., Adoberg, E., Veinthal, R., Kulu, P. Description of punch wear mechanism during fine blanking process // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 504-509.

Link, S., Arvelakis, S., Hupa, M., Yrjas, Y., Külaots, I., Paist, A. Reactivity of the biomass chars originating from reed, douglas fir, and pine // Energy & fuels (2010) Vol. 24, 12, p. 6533-6539.

\* Loosaar, J. Tallinnan TKK Lämpötekniikan laitos – katllilakoet ja päästömittaukset // XIX Valtakunnalliset päästömittajapäivät, Lahti, 22.–23.04.2010. [Lahti], 2010. p. 34-43.

Loosaar, J. Keskkonnaheitmete alased uuringud TTÜ STIs // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 34-36.

Lõun, K., Riives, J., Otto, T. Framework for extended use of technological resources in the network of enterprises // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 316-321.

Majak, J., Pohlak, M. Decomposition method for solving optimal material orientation problems // Composite structures (2010) Vol. 92, 8, p. 1839-1845.

Majak, J., Pohlak, M. Optimal material orientation of linear and non-linear elastic 3D anisotropic materials // Meccanica (2010) Vol. 45, 5, p. 671-680.

Majak, J., Pohlak, M., Eerme, M., Karjust, K., Kers, J. Haar wavelet based discretization technique for analysis and design of composite plate and shell structures // 14th European Conference on Composite Materials : 7–10 June 2010, Budapest, Hungary. Budapest : Budapest University of Technology, 2010. Paper ID: 431-ECCM14, [10] p.

Majak, J., Pohlak, M., Küttner, R., Eerme, M., Karjust, K., Kers, J. A symbolic-numerical algorithm for material parameter identification // Proceedings of the Tenth International

Conference on Computational Structures Technology : Valencia, Spain, 14–17 September 2010. Stirlingshire : Civil-Comp Press, 2010. Paper 133. (Civil-Comp proceedings ; 93).

Matsi, B., Otto, T., Roosimölder, L. Productivity in innovation and new product development // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 142-147.

Moseichuk, V., Bashkite, V., Karaulova, T Lifecycle extension for industrial equipment // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 364-369.

Нешумаев, Д., Отс, А., Парве, Т., Пиху, Т., Пламус, К., Прикк, А. Особенности сжигания прибалтийских горючих сланцев в котлах с ЦКС // Электрические станции (2010) 8, с. 23-26.

Ots, A. Ash fouling of boiler tubes and thermophysical properties of deposits // Handbook of Combustion. Volume 4, Solid fuels. [Weinheim] : Wiley, 2010. p. 533-555.

Ots, A. Teaduspreemia pikaajalise tulemusliku teadus- ja arendustöö eest : Arvo Ots // Eesti Vabariigi teaduspreemiat 2010. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 30-50.

Ots, A. Põlevkiviga kaasneva paekivi mõjust protsessidele katlas // Kümme aastat Eesti Soojustehnikainseneride Seltsi 2000–2010. Tallinn, 2010. lk. 23-29.

Pabut, O., Eerme, M., Majak, J., Pohlak, M. Design optimization of structural components for fatigue loading // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 131-135.

Paist, A. Eesti Soojustehnikainseneride Selts – soojustehnikainseneride taimelava // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 36-39.

Paist, A., Kask, Ü. Kohalik kütus – biomass // Elektrala (2010) 5, lk. 7-9.

Paist, A., Kask, Ü. Biokütuste alastest uuringutest TTÜ STIs // Kümme aastat Eesti Soojustehnikainseneride Seltsi 2000–2010. Tallinn, 2010. lk. 30-33.

Peetsalu, P., Resev, J., Ruus, A., Menind, A., Kers, J., Sepper, S., Olt, J. Preliminary investigation into mechanical properties of clay reinforced with natural fibres // Agronomy research (2010) Vol. 8, S1, p. 201-207.

Peetsalu, P., Saarna, M., Adoberg, E., Kulper, E., Lind, L., Kulu, P. Evaluation of punch wear resistance during industrial test // Acta metallurgica Slovaca conference (2010) 1, p. 105-110.

Penkov, I., Pappel, T. The bushes wear of conveyor chains // Machines, technologies, materials : [virtual journal] (2010) IV, 8/9, p. 37-39.

\* Pertmann, I. Wind measurements in Estonia // Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27–28, 2010, Kaunas, Lithuania. Kaunas : Lithuanian Energy Institute, 2010. p. 57-66.

Pertmann, I., Selg, V. Tuuleenergeetika arengust maailmas ning uuringutest Tallinna Tehnikaülikoolis // Keskkonnatehnika (2010) 8, lk. 12-14.

Pertmann, I., Selg, V. Tuuleenergeetika // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 49-53.

Pirso, J., Viljus, M., Juhani, K., Kuningas, M. Three-body abrasive wear of TiC-NiMo cermets // Tribology international (2010) Vol. 43, 1/2, p. 340-346.

Pirso, J., Viljus, M., Juhani, K., Letunovitš, S. Reactive carburizing sintering // High temperature processes in chemical engineering. [S.I.] : Verlag ProcessEng Engineering GmbH, 2010. p. 309-334.

Podgursky, V., Nisumaa, R., Adoberg, E., Surzhenkov, A., Sivitski, A., Kulu, P. Comparative study of surface roughness and tribological behavior during running-in period of hard coatings deposited by lateral rotating cathode arc // Wear (2010) Vol. 268, 5/6, p. 751-755.

Pohlak, M., Majak, J., Karjust, K., Küttner, R. Multi-criteria optimization of large composite parts // Composite structures (2010) Vol. 92, 9, p. 2146-2152.

Polyantchikov, I., Pribytkova, M., Ševtšenko, E. Challenges and prospective of maintenance in SMEs Collaborative Network // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 126-130.

Polyantchikov, I., Pribytkova, M., Shevtshenko, E., Kangilaski, T. E-maintenance framework for the collaborative network of SME-s // Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20–23rd October 2010, Zadar, Croatia. Vienna : DAAAM International Vienna, 2010. p. 877-878.

Polyantchikov, I., Shevtshenko, E. Collaborative framework for virtual organisation // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 398-403.

Poobus, A. Soojus- ja massilevi alased uuringud TTÜ STIs // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 54-57.

Portjanski, L., Nekrassov, G., Zahharov, R., Shevtshenko, E. Logbuild - CAD/CAM system for log houses // Mechanika (2010) 6, p. 58-65.

Pribytkova, M., Polyantchikov, I., Karaulova, T. Influence of variability on a reliable production process // Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20–23rd October 2010, Zadar, Croatia. Vienna : DAAAM International Vienna, 2010. p. 329-330.

Pribytkova, M., Polyantchikov, I., Karaulova, T. Statistical process control for production process reliability management // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 134-137.

Põlder, A. Analysis of the quality problems of marking saw material in the sawmill // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 185-189.

Põlder, A. Modified fingerprint method for traceability enhancement of marked products // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 121-125.

Põlder, A., Abiline, I., Tamre, M. Automatic visual code quality evaluation for wood industry // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 554-559.

Randmaa, M. Sustainable RFID rack assembly solution for mobile robot platform manufacturing // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 198-201.

Randmaa, M., Sonk, K. Virtual product developing environment in customer-centered design approach // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 72-77.

Reedik, V. Tehnokraatiast ja poliitikast // Inseneeria (2010) 5, lk. 18-19.

Reedik, V. Õppemaksu sisseseadmine oleks ränk hoop meie kõrgharidusele // Inseneeria (2010) 10, lk. 38-41.

Reedik, V. Kuidas Eesti rahvas tööstusrobotitega tuttavaks sai // Inseneeria (2010) 3, lk. 26-27.

Riim, J. Topografical calibration method of coating thickness standards // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 238-244.

Riives, J. Innovaatilise äristruktuuri ja kõrgtehnoloogia aeg // Inseneeria (2010) 1, lk. 44-47.

Riives, J., Roosimölder, L. Teadmistepõhise tootmisse arendus // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 25-28.

Ryabchikov, A., Lille, H., Toropov, S., Kõo, J., Pihl, T., Veinthal, R. Influence of pretreatment of substrate surface on residual stresses in different cold spray coatings // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 23.

Roos, I. Kasvuhoonegaaside emissioon ergeetika sektorist // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 37-41.

Roosaar, T., Kübarsepp, J., Klaassen, H. Wear performance of WC- and TiC-based ceramic and metal composites // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 28.

Rušeljuk, P. Heat balance of the CFB boiler // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 244-249.

Rämmal, H., Åbom, M., Tiikoja, H., Bodén, H. Experimental facility for the complete determination of sound transmission in turbochargers : SAE 2010-01-1424 // SAE technical papers (2010) [9] p.

\* Rämmal, H., Galindo, J. The passive acoustic effect of turbo-compressors // 9th International Conference on Turbochargers and Turbocharging : London, UK, 2010. [S.I.], 2010.

\* Rämmal, H., Lavrentjev, J., Tiikoja, H. On the acoustic reflection at pipe opening // Proceedings of the 17th International Congress on Sound & Vibration (ICSV17) : Cairo, 18–22 July 2010. Cairo : International Institute of Acoustic and Vibration, 2010. [8] p.

Sarkans, M., Roosimölder, L. Implementation of robot welding cells using modular approach // Estonian journal of engineering (2010) Vol. 16, 4, p. 317-327.

Sarkans, M., Roosimölder, L. Welding robot cell implementation in SME-s using modular approach – case study // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 578-583.

\* Satrapinski, A., Kübarsepp, T., Märkens, O. Verification of performance of commercial LCR meters // Conference on Precision Electromagnetic Measurements, DCC, Daejeon, Korea. [S.I.], 2010.

Seiler, S., Sell, R. Virtual academy platform supported by a semantic knowledge base // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 566-571.

Sell, R., Leomar, P. Universal navigation algorithm planning platform for unmanned systems // Mechatronic systems and materials : mechatronic systems and robotics. Switzerland : Trans Tech Publications Ltd, 2010. p. 405-410. (Solid state phenomena ; Vol. 164).

Sell, R., Seiler, S. Combined robotic platform for research and education // Proceedings of SIMPAR 2010 Workshops : Intl. Conf. on Simulation, Modeling and Programming for Autonomous Robots : Darmstadt (Germany), November 15–16, 2010. [Darmstadt], 2010. p. 522-531.

\* Sergejev, F. Local tribo-mechanical properties of TiC-based cermets by nanoindentation // Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06–11.06.2010, Storforsen, Sweden. Lulea : Lulea University of Technology, 2010. [8] p. [CD-ROM].

\* Sergejev, F., Klaasen, H., Kübarsepp, J., Traksmaa, R. Effect of microstructure and residual stresses on the wear resistance and durability of steel bonded TiC cermets // Abstracts of International Conference on Fatigue Damage of Structural Materials – ICFDSM VIII, 18–24 September 2010. Hyannis : Oxford Abstracts Ltd, 2010. [1] p.

\* Shishkin, A., Mironov, V., Goljandin, D., Lapkovsky, V. Mechanical disintegration of Al-W-B waste material // World PM2010 proceedings. Vol. 2, Sintering, Secondary and Finishing Operations, Full Density and Alternative Consolidation. Shrewsbury : European Powder Metallurgy Association, 2010. p. 597-601.

Shvarts, D., Tamre, M. Review of methods for estimation of 2D homography // 9th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology. II : Pärnu, Estonia, June 14–19, 2010. [Tallinn] : Estonian Society of Moritz Hermann Jacobi, [2010]. p. 204-208.

Shvarts, D., Tamre, M. Computer vision in applications of adaptive management // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 212-215.

Siirde, A. Põlevkiviõli tootmise konkurentsivõimelisus uues, aastatel 2013–2020 rakenduva kasvuhoonegaaside kauplemise süsteemis // Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010. Kohtla-Järve, 2010. lk. 15-16.

Sonk, K., Otto, T. Overview of e-manufacturing practices and possibilities // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektriajam, 2010. p. 208-211.

Soosaar, S. Energiamajanduse arengust Eestis // Kümme aastat Eesti Soojusinseneride Seltsi 2000–2010. Tallinn, 2010. lk. 42-48.

Surženkov, A., Kulu, P., Viljus, M., Vallikivi, A., Latokartano, J. Microstructure and wear resistance of the laser hardened PM tool steel Vanadis 6 // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 486-491.

Surženkov, A., Podgurski, V., Viljus, M., Adoberg, E., Nanits, M., Kulu, P., Veinthal, R. Influence of drag finishing to dry sliding wear behaviour of PVD nanocomposite nACo coating during running-in // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 26.

Surženkov, A., Sarjas, H., Mikli, V., Tarbe, R., Vallikivi, A., Kulu, P. Abrasive wear resistance of the composite Fe alloy - recycled hardmetal based HVOF sprayed coatings // Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28–29, 2010, Riga, Latvia. Riga, 2010. p. 24.

Zahharov, R., Bashkite, V., Karaulova, T., Miina, A. Industrial building life cycle extension through concept of modular construction // Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20–23rd October 2010, Zadar, Croatia. Vienna : DAAAM International Vienna, 2010. p. 805-806.

Tammaru, T. Excellence models and national quality promotion in Estonia // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 409-414.

Tammaru, T. Kvaliteedijuhi pädevuskoolitus 1999 – 2011 // Eesti Kvaliteediühing 20-aastane (1990–2010). [Tallinn] : Eesti Kvaliteediühing, [2010]. lk. 144-150.

Tamre, M., Juurma, M., Põlder, A. "Indisputable key" – toodangu jälgitavus puidutööstuses // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 32-35.

Tiidemann, T. Kuidas süsteemelt mõelda, et luua ja leiutada? // HEI = Hea Eesti Idee (2010) märts, lk. 44.

Tiidemann, T. TRIZ kui loova mõtteviisi arendamine ja elu läbiv strateegia // Inseneeria (2010) 7, lk. 14-16.

Tiidemann, T. Vastuolude lahendamise 40 võtet : TRIZ // Inseneeria (2010) 8, lk. 26-27.

\* Tiikoja, H., Rämmal, H., Åbom, M., Bodén, H. Testrig for complete acoustic characterization of turbochargers // International Aeronautics and Aeroacoustics Conference, Stockholm, Sweden, 07–09 June, 2010. [S.I.], 2010.

Tiimus, K., Tamre, M. Camera gimbal control system for unmanned platforms // 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II. [Tallinn] : Elektrijam, 2010. p. 202-207.

Tiimus, K., Tamre, M. Camera gimbal control system for unmanned platforms // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 560-565.

Tähemaa, T., Karjust, K., Pohlak, M. ERP and PLM resources in Estonian SMEs // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 386-391.

Veinthal, R. Triboloogia-alasest tegevusest materjalitehnika instituudis // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 29-31.

Veinthal, R., Sergejev, F., Yaldiz, C.E., Mikli, V. Impact wear performance of thin hard coatings on TiC cermets // 18th IFHTSE Congress : 2010 July 26th to 30th, Rio de Janeiro, Brazil. Rio de Janeiro, 2010. p. 5046-5056. [CD-ROM].

Velsker, T., Majak, J., Eerme, M., Pohlak, M. Double-curved surface forming process modeling // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [I]. Tallinn : Tallinn University of Technology, c2010. p. 257-262.

Vlad, M., Szczerk, M., Michalczewski, R., Antonov, M. The wear mechanism in heavy-loaded lubricated coated/steel sliding contacts // Tribologia (2010) XLI, 6, p. 153-168.

Volkova, A., Hlebnikov, A., Siirde, A. Defining of eligible capacity for biomass cogeneration plants in small towns in Estonia // Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010. [S.I.], 2010. [5] p. [CD-ROM].

Volkova, A., Latõšov, E., Siirde, A. Use of multi-criteria decision analysis for choosing an optimal location for a wood fuel based cogeneration plant : a case study in Estonia // Proceedings of the 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'10) : Timisoara, Romania, October 21–23, 2010 : Selected Topics in Energy, Environment, Sustainable Development and Landscaping. [S.I.] : WSEAS, 2010. p. 89-94.

Volkova, A., Latõšov, E., Siirde, A. Selection of the most appropriate regions for wood fuel based cogeneration plants using multicriteria decision analysis methods // International journal of energy (2010) Vol. 4, 2, p. 29-36.

Volkova, A., Siirde, A. Efficiency assessment of support mechanisms for wood-fired cogeneration development in Estonia // Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies (2010) Vol. 4, p. 116-122.

\* Volovitch, P., Abdel Aal, A., Lefevre, G. Role of alloying elements for improved corrosion resistance of Zn-Al-Mg coatings on steel // The European Corrosion Congress : EuroCorr2010 : Moscow, Russia 2010. [Moscow], 2010.

Väljaots, E., Sell, R. Measurement method and device for vechicle dynamics // Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22–24th April 2010, Tallinn, Estonia. [II]. Tallinn : Tallinn University of Technology, c2010. p. 536-541.

## SOTSIAALTEADUSKOND

### Raamatud

Albrant, M., Haruoja, M., Käspér, K., Kübar, U., Meiorg, M. Human rights in Estonia 2008–2009 : Annual Report of the Human Rights Centre at the Tallinn Law School of the Tallinn University of Technology. Tallinn : Tallinn University of Technology Press, 2010. 62 p.

Albrant, M., Haruoja, M., Käspér, K., Kübar, U., Meiorg, M. Inimõigused Eestis 2008–2009 : Tallinna Tehnikaülikooli õiguse instituudi inimõiguste keskuse aastaaruanne. Tallinn : Tallinna Tehnikaülikooli, 2010. 59 lk.

Албрант, М., Харуоя, М., Кяспер, К., Кюбар, У., Мейорг, М. Права человека в Эстонии 2008–2009 : годовой обзор Центра по правам человека Института права Таллиннского технического университета. Таллинн : Издательство Таллиннского технического университета, с2010. 72 с.

Braunerhjelm, P., Halldin, T., Heum, P., Kalvet, T., Pajarin, M., Pedersen, T., Ylä-Anttila, P. Large firm dynamics on the Nordic-Baltic scene : implications for innovation and growth. Bergen : Institute for Research in Economics and Business Administration, 2010. 157 p. (SNF report ; 1/10).

Carvalho, F., Kregel, J. What do financial system and financial regulation do?. Rio de Janeiro : IBASE, 2010. 34 p.

Drechsler, W. (ed.). Halduskultuur. Vol. 11 (no. 1, no. 2). [Tallinn] : Tallinn University of Technology, 2010. 254 p.

Drechsler, W., Moody, R., Pollitt, C., Vintar, M. (eds.). The NISPAcee journal of public administration and policy. Volume III, Number 2, Winter, Special issue : Public management now and in the future : does technology matter?. [S.l.] : NISPAcee Press, 2010/2011. 130 p.

Hazak, G. Kilde ja mõtteid : elust. Ülikoolist. Õigusest. Poliitikast. Tallinn : TTÜ, 2010. 194 lk., [25] lk. must-valged fotod.

Kalvet, T., Karo, E., Kattel, R. (toim.) Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Eesti Vabariigi Majandus- ja Kommunikatsiooniministeerium, 2010. 98 lk. (Innovation studies ; 14).

Karo, E., Kattel, R. Is 'Open innovation' re-inventing innovation policy for catching-up economies? [Electronic resource]. [Tallinn], 2010. 31 p. (Working papers in technology governance and economic dynamics / The Other Canon and Tallinn University of Technology ; 30).

Kregel, J. Fiscal responsibility : what exactly does it mean?. [S.I.] : Levy Economics Institute of Bard College, 2010. 19 p. (Working Paper / Levy Economics Institute of Bard College ; No. 602).

Kregel, J. Is reregulation of the financial system an oxymoron?. [S.I.] : Levy Economics Institute of Bard College, 2010. 13 p. (Working Paper / Levy Economics Institute of Bard College ; No. 585).

Kregel, J. Is this the Minsky moment for reform of financial regulation?. [S.I.] : Levy Economics Institute of Bard College, 2010. 22 p. (Working Paper / Levy Economics Institute of Bard College ; No. 586).

Kregel, J. No going back : why we cannot restore Glass-Steagall's segregation of banking and finance. [S.I.] : Levy Economics Institute of Bard College, 2010. 17 p. (Public policy brief / Levy Economics Institute of Bard College ; No. 107).

Lang, S. Transformations in European R&D and regional policies within the multi-level governance framework : the changing nature of the European Union ten years after the launch of the Lisbon strategy. Tallinn : TUT Press, 2010. 147 p. (Theses of Tallinn University of Technology. I, Thesis on social sciences ; 13).

Linnas, R. An integrated model of audit, control and supervision of the local government sector : the case of Estonia. Tallinn : TUT Press, 2010. 139 p. (Theses of Tallinn University of Technology. I, Thesis on social sciences ; 12).

Linnas, R. New approach to audit, control and supervision of the local government : the case of Estonia. Saarbrücken : Lambert Academic Publishing, 2010. 184 p.

Papp, Ü.-M. (koost.). Võrdse kohtlemise seadus : käsiraamat. [Tallinn] : TTÜ, c2010. 180 lk.

Perez, C. The financial crisis and the future of innovation : a view of technical change with the aid of history [Electronic resource]. [Tallinn], 2010. 42 p. (Working papers in technology governance and economic dynamics / The Other Canon and Tallinn University of Technology ; 28).

Raska, E. Olemise õigus. Tallinn : Sisekaitseakadeemia, 2010. 152 lk.

Raudla, R. Constitution, public finance, and transition. Frankfurt am Main : Peter Lang Europäischer Verlag der Wissenschaften, 2010. 454 p.

Rummel, K. Creating coherent texts in English as a foreign language : theory and practice. Tartu : Tartu University Press, 2010. 335, [1] p. (Dissertationes philologiae anglicae Universitatis Tartuensis ; 5).

Tsipouri, L., Edler, J.,..., Kalvet, T., ... et al. (comp.). Risk management in the procurement of innovation : concepts and empirical evidence in the European Union. Luxembourg : European Commission, Directorate-General for Research, 2010. 124 p.

### **Artiklid**

Ala-Mutka, K., Gaspar, P., Kismihok, G., Suurna, M., Vehovar, V. Status and developments of eLearning in the EU10 Member States : the cases of Estonia, Hungary and Slovenia // European journal of education (2010) Vol. 45, 3, p. 494-513.

De Jong, J.P.J., Kalvet, T., Vanhaverbeke, W. Exploring a theoretical framework to structure the public policy implications of open innovation // Technology analysis & strategic management (2010) Vol. 22, 8, p. 877-896.

Drechsler, W. Nanotechnology, governance and public management : a techno-economic paradigms perspective // NISPAcee journal of public administration and public policy (2010) Vol. 3, 2, p. 69-85.

Drechsler, W. TED : TransEuropean Dialogues between NISPAcee and EGPA // The European Group for Public Administration (1975-210) : perspectives for the future. Brussels : Bruylant, 2010. p. 247-249.

Drechsler, W. Rudolf Bultmann : eine Biographie by Konrad Hammann // The journal of ecclesiastical history (2010) Vol. 61, 2, p. 428-430.

Jokinen, P., Kull, M., Muilu, T., Schuurman, N., Sireni, M., Vihinen, H. Pohjoismaisten maaseutututkijoiden vuoropuhelu käynnistyi Ruotsissa // Maaseudun uusi aika : maaseutututkimuksen ja -politiikan aikakauslehti (2010) 18, 2, s. 80-83.

Järvalt, J., Randma-Liiv, T. Public sector HRM : the case of no central human resource strategy // Baltic journal of management (2010) Vol. 5, 2, p. 242-256.

Kaevats, Ü. Üks karjapäev kümne koolipäeva vastu // Ajast, mis pole minevik. [Tallinn] : Sihtasutus Kultuurileht, 2010. lk. 125-126.

Kalvet, T. Business models of the largest enterprises in a small country context: the case of Estonia // Halduskultuur = Administrative culture. Vol. 11, no. 1. [Tallinn] : Tallinn University of Technology, 2010. p. 128-151.

Kalvet, T. Policy paper on innovation : Estonia // Expert evaluation network delivering policy analysis on the performance of cohesion policy 2007–2013. Brussels : DG Regional Policy, 2010. 30 p.

Kalvet, T. Country report on achievements of cohesion policy : Estonia // Expert evaluation network delivering policy analysis on the performance of cohesion policy 2007–2013. Brussels : DG Regional Policy, 2010. 51 p.

Kalvet, T. Teaduspõhised IKT üksused ja avatud innovatsioon // Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Majandus- ja Kommunikatsioniministeerium, 2010. lk. 44-50. (Innovation Studies ; 14).

Kalvet, T., Karo, E. Uued arengud lähenemisel innovatsioonile : avatud innovatsioon // Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Majandus- ja Kommunikatsioniministeerium, 2010. lk. 10-16. (Innovation studies ; 14).

Karo, E. Improving governance of science and innovation policies, or just bad policy emulation? The case of the Estonian R&D system // Halduskultuur = Administrative culture. Vol. 11, nr. 2. [Tallinn] : Tallinn University of Technology, 2010. p. 174-201.

Karo, E. Riiklik T&A süsteemi valitsemine ja avatud innovatsioon // Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Majandus- ja Kommunikatsioniministeerium, 2010. lk. 62-75. (Innovation Studies ; 14).

Karo, E., Kattel, R. Coordination of innovation policies in the catching-up context : a historical perspective on Estonia and Brazil // International journal of technological learning, innovation and development (2010) Vol. 3, 4, p. 293-329.

Karo, E., Kattel, R. Avatud innovatsioon ja arengud innovatsioonisüsteemis ja -poliitikates ning poliitikasoorbitused Eestile // Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Majandus- ja Kommunikatsioniministeerium, 2010. lk. 85-94. (Innovation Studies ; 14).

Karo, E., Kattel, R. The copying paradox : why converging policies but diverging capacities in Eastern European innovation systems? // International journal of institutions and economies (2010) Vol. 2, 2, p. 167-206.

Karo, E., Kattel, R., Kalvet, T. Avatud innovatsioon ning selle tähendus Eesti ettevõtlusele ja innovatsioonipoliitikale // Riigikogu Toimetised (2010) 21, lk. 61-74.

Kattel, R. Financial and economic crisis in Eastern Europe // Journal of post Keynesian economics (2010) Vol. 33, 1, p. 41-60.

Kattel, R., Kalvet, T., Randma-Liiv, T. Small states and innovation // Small states in Europe : challenges and opportunities. Aldershot : Ashgate, 2010. p. 65-85.

Kattel, R., Lember, V. Public procurement as an industrial policy tool : an option for developing countries? // Journal of public procurement (2010) Vol. 10, 3, p. 368-404.

Kattel, R., Pajula, H. HEI kutsus innovatsiooni ja innovatsioonipoliitika teemadel vestlema Tallinna Tehnikaülikooli professori Rainer Katteli ja SEB ökonomisti Hardo Pajula : [intervjuu] // HEI = Hea Eesti Idee (2010) apr., lk. 12-14.

Kattel, R., Randma-Liiv, T. Estonian PA and PA in Estonian // The European Group for Public Administration (1975-210) : perspectives for the future. Brussels : Bruylant, 2010. p. 184-195.

Kerikmäe, T. Consensus facit legem // Olemise õigus. Tallinn : Sisekaitseakadeemia, 2010. lk. 7-10.

Kerikmäe, T. Euroopa Zeitgeist ja Eesti valikud põhiseaduslikkuse mõtestamisel // Iganenud või igavene? : tekste kaasaegsest suveräänsusest. Tartu : Tartu Ülikool, 2010. lk. 157-185.

\* Kipper, H., Rüütmann, T. Contemporary teaching strategies and models capacitating critical thinking and deep understanding in teaching engineering [Electronic resource] // Proceedings of the Joint International IGIP-SEFI Annual Conference 2010. Diversity unifies – Diversity in Engineering Education : 19th to 22th September 2010, Trnava, Slovakia. Brussel : SEFI, 2010. IDPap 1173 [8] p. [CD-ROM].

Kipper, H., Rüütmann, T. Strategies and techniques of questioning effectuating thinking and deep understanding in teaching engineering at Estonian Centre for Engineering Pedagogy // Problems of education in the 21st century (2010) Vol. 19, p. 36-45.

Kipper, H., Rüütmann, T. Design of the curriculum for continuing education of engineering educators at Tallinn University of Technology // Problems of education in the 21st century (2010) Vol. 23, p. 87-96.

Kostakis, V. Open source approach to public policy : the cases of ERT and OLPC in Greece // The politics of open source : journal of information technology and politics, thematics conference (2010) Vol. 1, 1, p. 186-199.

Kostakis, V. Peer governance and Wikipedia : identifying and understanding the problems of Wikipedia's governance // First monday : journal on the Internet (2010) Vol. 15, 3,

Kregel, J. Background considerations to a re-regulation of the U.S. financial system : third time a charm? Or strike three? // Time for a visible hand : lessons from the 2008 World financial crisis. Oxford : Oxford University Press, 2010. p. 62-75.

Kregel, J. Keynes's influence on modern economics : some overlooked contributions of Keynes's theory of finance and economic policy // The return to Keynes. [Harward] : Harvard University Press, 2010. p. 241-256.

Kregel, J. Is this the Minsky Moment for reform of financial regulation? // The World economy in crisis – the return of Keynesianism?. Marburg : Metropolis Verlag, 2010. p. 223-244. (Series of studies of the research network macroeconomics and macroeconomic policies ; Volume 13).

Kregel, J. Reforms without politicians : what we can do today to straighten out financial markets // One-Pager / Levy Economics Institute of Bard College (2010) 2, p. 1.

Kregel, J. A new Triffin Paradox for the global economy? // Production, distribution and trade : alternative perspectives : essays in honour of Sergio Parrinello. London : Routledge, 2010. p. 208-215. (Routledge studies in the history of economics ; 12).

Kregel, J. What would Minsky have thought of the mortgage crisis? // The Elgar Companion to Hyman Minsky. [S.I.] : Edward Elgar, 2010. p. 31-46.

Kregel, J. Can a return to Glass-Steagall provide financial stability in the US financial system? // PSL quarterly review (2010) Vol. 63, n. 252, p. 39-76.

Kull, M., Onkalo, P., Vihinen, H. New institutional arrangements and rural development : cooperation in the municipality of Kittilä // Networking the rural : the future of green regions in Europe. [Assen] : Royal Van Gorcum, 2010. p. 66-91.

\* Kull, M., Vihinen, H. Maaseutu – väliinputoajasta vastuunkantajaksi : kirjaarvostelu : (Maaseutu – väliinputoajasta vastuunkantajaksi : maaseutupoliikan itsenäistyminen alue- ja maatalouspolitiikan puristuksesta / Eero Uustalo. Helsinki, 2009) // Politiikka : valtiotieteellisen yhdistyksen julkaisu (2010) Vol. 52, 2, s. 154-156.

Lang, S. Ouvrir la "black box" – approche de la notion d'acteur de la coopération transfrontalière // Vivre et penser la coopération transfrontalière (Volume 1) : les régions frontalières françaises. Stuttgart : Franz Steiner Verlag GmbH, 2010. S. 169-190. (Studien zur Geschichte der Europäischen Integration (SGEI) ; Band 5).

Lember, V. Dear readers // Halduskultuur = Administrative culture. Vol. 11, no. 1. [Tallinn] : Tallinn University of Technology, 2010. p. 152-153.

Lember, V., Kriz, K.A. Purchase-of-service contracting in Estonia // Halduskultuur = Administrative culture. Vol. 11, no. 2. [Tallinn] : Tallinn University of Technology, 2010. p. 239-254.

Lillemets, K. Maksumoraal, selle mõjutegurid, hindamise võimalused ja probleemid Eesti näitel // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 81-84.

Lindpere, H. The Rotterdam Rules from an Estonian perspective // The journal of international maritime law (2010) Vol. 16, 3, p. 243-246.

Lumi, O., Uudelepp, A., Tabur, L. Politsei- ja Piirivalveameti loomine : ühendamise tagamaad, protsess ja analüüs // Sisekaitseakadeemia Toimetised (2010) Vol. 9, lk. 7-32.

Lõhmus, M. Eesti 1930. aastate lõpu omavalitsusreform tänapäeva omavalitsusvärtuste valguses // Riigikogu Toimetised (2010) 22, lk. 69-79.

Lõokene, I. Akadeemik professor Uno Mereste (27.05.1928–06.12.2009) : in memoriam // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 153-160.

Madise, Ü., Maaten, E. Internet voting in Estonia // e-democracy : a group decision and negotiation perspective. Dordrecht : Springer, 2010. p. 301-321. (Advances in Group Decision and Negotiation ; Volume 5).

Madise, Ü., Vinkel, P. TIC, votacions per Internet i altres serveis electronics a Estonia // EINES 12 : Politica 2.0. Barcelona : Fundacio Josep Irla, 2010. p. 59-67.

Mäeltsemees, S. Position of capital cities in Baltic Sea economic area // Baltic Business and Socio-Economic Development 2007 : 3rd International Conference Tallinn, Estonia, June 17–19, 2007. Berlin : Berliner Wissenschafts-Verlag, 2010. p. 615-629. (Regional business and socio-economic development ; Bd. 1).

Mäeltsemees, S. PPP projektid regionaalses sotsiaalmajanduslikus arengus // Eesti majanduspoliitilised vätlused. XVIII. Tallinn : Mattimar, 2010. lk. 90-94.

\* Mäeltsemees, S., Lõhmus, M. The impact of economic recession on the revenue base of local governments in Estonia // The results of statistical scientific research 2010. Riga : Latvijas Republikas Centrālā statistikas pārvalde, 2010. p. 175-187.

Näpinen, L. On the unfitness of the exact sciences for the understanding of nature // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 19-21.

Nyman-Metcalf, K. Incitement or free speech? Legal limits to freedom of expression // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 8, p. 165-178.

Nyman-Metcalf, K. Mõningad vaatekohad Euroopa õiguse ja põhiseaduse vahekorrale. Kas Euroopa Liit on riik? // Juridica (2010) 5, lk. 346-353.

Parts, V., Veldre, V. Demograafiline ülevaade // Noortemonitor 2009. Tallinn : Eesti Noorsootöö Keskus, 2010. lk. 5-13.

Perez, C. Technological revolutions and techno-economic paradigms // Cambridge journal of economics (2010) Vol. 34, 1, p. 185-202.

Pérez, C. Dinamismo tecnológico e inclusión social en América Latina : una estrategia de desarrollo productivo basada en los recursos naturales // Revista CEPAL (2010) 100, p. 123-145.

Perez, C. Technological dynamism and social inclusion in Latin America : a resource-based production development strategy // Cepal review (2010) 100, p. 121-141.

Pijetlovic, K. Another classic of EU sports jurisprudence : legal implications of Olympique Lyonnais SASP v Olivier Bernard and Newcastle UFC (C-325/08) // European law review (2010) Vol. 35, 6, p. 857-868.

\* Pijetlovic, K. Analysis of recent developments in EU sports law : Lisbon Treaty and Case C-325/08 Bernard // 16th World Congress on Sports Law : South Korea, Seoul, 24–28 November 2010. Seoul, 2010. p. 521-522.

\* Pijetlovic, K. Legal analysis of the ECJ judgement in C-325/08 BERNARD // International Sports Law and Business Conference : Istanbul, 6–7 September 2010. Istanbul, 2010.

Pärnamets, R., Parts, V. Noored ja religioon // Noortemonitor 2009. Tallinn : Eesti Noorsootöö Keskus, 2010. lk. 185-193.

Randma-Liiv, T. Introduction // Halduskultuur = Administrative culture. Vol. 11, no. 1. [Tallinn] : Tallinn University of Technology, 2010. p. 4-6.

\* Randma-Liiv, T., Liiv, D., Lepp, Ü. A kormány és a civil szektor viszonyának intézményesítése: az észt „paktum” // Civil Szemle (2010) Vol. 7, 3, p. 45-62.

Raudla, R. Explaining constitution-makers' preferences : the cases of Estonia and the United States // Constitutional political economy (2010) Vol. 21, 3, p. 249-269.

Raudla, R. The evolution of budgetary institutions in Estonia : a path full of puzzles? // Governance (2010) Vol. 23, 3, p. 463-484.

Raudla, R. Governing budgetary commons : what can we learn from Elinor Ostrom? // European journal of law and economics (2010) Vol. 30, 3, p. 201-221.

Reinert, E.S., Amaïzo, Y.E., Kattel, R. The economics of failed, failing, and fragile states : productive structure as the missing link // Towards new developmentalism : market as means rather than master. London : Routledge, 2010. p. 59-68.

\* Rüütmann, T., Kipper, H. Continuing education for engineers in the field of teaching engineering at Tallinn University of Technology // 2010 World Engineering Education Forum, 9th ASEE Global Colloquium on Engineering Education, National University of Singapore & Institution of Engineers, October 18–21, 2010. [S.I.] : ASEE, 2010. [13] p. [DVD-ROM].

Salu, M., Kattel, R. Avaliku sektori innovatsioon : on või ei ole? : [rääägib R. Kattel] // HEI = Hea Eesti Idee (2010) juuni, lk. 8-9.

Sarapuu, K. Comparative analysis of state administrations: the size of state as an independent variable // Halduskultuur = Administrative culture. Vol. 11, no. 1. [Tallinn] : Tallinn University of Technology, 2010. p. 30-43.

Selg, P. Kes kardab John Rawlsi? // Akadeemia (2010) 8, lk. 1401-1427

Selg, P. Sattumuslikkus, hegemoonia ning õiglus : John Rawls ja radikaalne demokraatia // Studia philosophica (2010) Vol. 3, 1, p. 39-72.

Selg, P. Toward a semiotic model of democracy // Applied semiotics = Sémiotique appliquée (2010) Vol. 10, 25, Political discourse = Le discours politique, p. 22-54.

Selg, P., Ventsel, A. An outline for a semiotic theory of hegemony // Semiotica (2010) Vol. 182, p. 443-474.

Suurna, M. Ärimudelid biotehnoloogia valdkonnas: Eesti näide // Eesti ettevõtete uued võimalused – ärimudelid, avatud innovatsioon ja riigi valikud [Võrguteavik]. Tallinn : Majandus- ja Kommunikatsioniministeerium, 2010. lk. 27-43. (Innovation studies ; 14).

Suurna, M., Kattel, R. Europeanization of innovation policy in Central and Eastern Europe // Science and public policy (2010) Vol. 37, p. 646-664.

\* Teichmann, M. Baltic area alliance // ENOP newsletter (2010) 58, p. 13-14.

Teichmann, M. Ebaõnnestumised tööl lähevad hinge? Võta kergemalt – see tuleb kõik ajaloost! // Director (2010) 2, lk. 22-23.

Teichmann, M. Akadeemilise personali tööstressorid // Eesti Töötervishoid (2010) 3, lk. 37-41.

Teichmann, M., Ilvest, J. Sources of occupational stress in technical university academics // Latest Trends on Engineering Education : 7th WSEAS International Conference on Engineering Education (EDUCATION '10) : International Conference on Education and Educational Technologies : Corfu Island, Greece, July 22–24, 2010. [S.I.] : WSEAS, 2010. p. 448-453. (Mathematics and computers in science engineering : a series of reference books and textbooks).

Teichmann, M., Laane, K., Aczel, B., Dickinson, A. Tööl esinevate positiivsete emotsioonide põhjused // Eesti Töötervishoid (2010) 2, lk. 42-44.

Tsybulenko, E. Ukraina kasutamata jäänud võimalus // Poliitika, riigiteadus, rahvusvahelised suhted (2010) 2, lk. 25-32.

Tõnurist, P. What is a "small state" in globalizing economy? // Halduskultuur = Administrative culture. Vol. 11, no. 1. [Tallinn] : Tallinn University of Technology, 2010. p. 8-29.

Umborg, V. Deutsche feste Wortverbindungen in Fachtexten im Vergleich mit ihren estnischen und russischen entsprechungen // Phraselogie : global - areal - regional : Akten der Konferenz EUOPHRAS 2008 vom 13.-16.8.2008 in Helsinki. Tübingen : Narr Verlag, c2010. S. 239-245.

Vihinen, H., Kull, M. Maaseudun kehyksestä puristuu modernia politiikkaa // Maaseudun uusi aika : maaseutututkimuksen ja -politiikan aikakauslehti (2010) 18, 1, s. 66-70.

Vihinen, H., Kull, M. Policy implications to support and develop rural webs // Networking the rural : the future of green regions in Europe. [Assen] : Royal Van Gorcum, 2010. p. 191-212.

## MUUD VÄLJAANDED

### Üleülikoolilised väljaanded Muud struktuuriüksused

#### Raamatud

Berezovski, M. Numerical simulation of wave propagation in heterogeneous and microstructured materials. Tallinn : TUT Press, 2010. 142 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 93).

Grigorenko, P. Higher-order attribute semantics of flat languages. Tallinn : TUT Press, 2010. 113 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 57).

Janu, A. (koost.). Eesti Raamatukoguhoidjate Ühingu aastaraamat 2008. Tallinn : Eesti Raamatukoguhoidjate Ühing, 2010. 211 lk. (Eesti Raamatukoguhoidjate Ühingu aastaraamat ; 20).

Jantson, S., Suits, M., Lige, C.-D. (koost.) Heinrich Laul 100. Tallinn : Tallinna Tehnikaülikooli Raamatukogu, 2010. 174 lk.

Kink, H., Petersoo, T. (koost.) ; (toim.) Miidel, A. Raplamaa : Rapla, Märjamaa, Raikküla vald. Loometsade riik. Tallinn : Teaduste Akadeemia Kirjastus, 2010. 39 lk., [8] lk. värvifot. (Loodusmälestised ; 19).

Kink, H., Täht-Kok, K. (koost.) ; (toim.) Raukas, A. Loode-Eesti. Tallinn : Teaduste Akadeemia Kirjastus, 2010. 40 lk., [8] lk. värvifot. (Loodusmälestised ; 20).

Kutser, M. (koost.). Teadusmõte Küberneetika Instituudis. [Tallinn : TTÜ Küberneetika Instituut], 2010. 195 lk.

Liivand, S. (koost.). Leola laulud. Tallinn : [korp! Leola], 2010. 395 lk.

Lilover, M.-J. (comp.). Observatory for the coastal zone environment : RTD infrastructure project 2007–2009. Tallinn, 2010. 27 p.

Mägi, V. (koost.). Tallinna Tehnikaülikooli aastaraamat 2009. [Tallinn] : TTÜ, 2010. 466 lk., 16 lk. värvifotod. (Tallinna Tehnikaülikooli aastaraamat ; 17).

Nestor, H., Copper, P., Stock, C. Late Ordovician and Early Silurian stromatoporoid sponges from Anticosti Island, Eastern Canada : crossing the O/S mass extinction boundary. Ottawa : NRC Research Press, 2010. 163 p.

Nestor, H., Nestor, V.-K. (koost.). Heldur Nestor : personaalnimestik 1960–2010. Viiu-Kai Nestor : personaalnimestik 1974–2010. Tallinn : TTÜ, 2010. 47 lk.

Puurmann, E., Ratas, U., Raukas, A., Bauert, H., Willman, S. (comps.). Geotourism highlights of the Estonian small islands. Tallinn : NGO GEOGuide Baltoscandia, 2010. 96 p.

Raukas, A. Väljavõtted käidud teest. Tallinn : Teaduste Akadeemia Kirjastus, 2010. 372 lk.

Soesoo, A. (koost.). Tallinna geoloogia = Geology of Tallinn. Tallinn : Noria Books, 2010. 286 lk.

Tõnso, M. Computer algebra tools for modelling, analysis and synthesis for nonlinear control systems. Tallinn : TUT Press, 2010. 114 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 53).

Willman, S., Plado, J., Raukas, A., Bauert, H. (comp.). Meteorite impact structures – geotourism in the Central Baltic. Tallinn, 2010. 79, [1] p.

## **Artiklid**

Engelbrecht, J., Soomere, T. jt. Arvamusi akadeemikutelt // Eesti Teaduste Akadeemia aastaraamat 2009. Tallinn : Eesti Teaduste Akadeemia, 2010. lk. 218-237.

Jantson, S. Book trade in Estonia in the second half of the 19th century and the beginning of the 20th century // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 108-109.

Janu, A. I teadus- ja erialaraamatukogu päev // Eesti Raamatukoguhoidjate Ühingu aastaraamat 2008. Tallinn : Eesti Raamatukoguhoidjate Ühing, 2010. lk. 105-106. (Eesti Raamatukoguhoidjate Ühingu aastaraamat ; 20).

Janu, A. Aasta tegu teadus- ja erialaraamatukogus // Eesti Raamatukoguhoidjate Ühingu aastaraamat 2008. Tallinn : Eesti Raamatukoguhoidjate Ühing, 2010. lk. 121-122. (Eesti Raamatukoguhoidjate Ühingu aastaraamat ; 20).

Järs, J. Per libros ad scientiam // Raamatukogu (2010) 1, lk. 5-7.

Järs, J. Üheksa dekaadi, üheksa fassaadi – üks eesmärk // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 63-67.

Keevallik, A. Rauakool on kasvanud kaasaegseks ülikooliks : [intervjuu] // Inseneeria (2010) 8, lk. 12-13.

Keevallik, A. Nutikate lahenduste aeg // Tarkade Klubi (2010) erinumber, lk.13.

Keevallik, A. Elektrala – Tehnikaülikooli hea partner // Elektrala (2010) 6, lk. 5.

Keevallik, A. Kvaliteetselt, efektiivselt, stabiilset! : rektor Andres Keevalliku inauguratsioonikõne TTÜ aulas 30. augustil 2010 // Elektrala (2010) 6, lk. 7-8.

Koidla, G. New library building – new perspectives // 5th UNICA Scholarly Communication Seminar "Find it, Get it, Use it, Store it" : 7–9 November 2010, Universidade Nova de Lisboa, Lisbon : Universidade Nova de Lisboa, 2010. p. 31.

Kont, K.-R. Electronic scientific information in technological university libraries in Nordic and Baltic Countries // Proceedings of the Institute for European Studies : journal of Tallinn University of Technology (2010) 7, p. 192-211.

Kont, K.-R. Electronically published scientific information in technical university libraries // ELPUB 2010 : Publishing in the Networked World : Transforming the Nature of Communication : 14th International Conference on Electronic Publishing : 16–18 June 2010, Helsinki, Finland. Helsinki : Hanken School of Economics, 2010. p. 422-429.

Kont, K.-R. Elektrooniline teadusinfo Balti riikide ja Põhjamaade tehnikaülikoolide raamatukogudes // Raamatukogu (2010) 3, lk. 10-16.

Kont, K.-R. Elektrooniline teadusinfo ülikooliraamatukogudes : finantseerimine, kasutamine, kulud // Raamatukogu (2010) 1, lk. 13-19.

Kont, K.-R. Scientific Information in the Baltics' leading technical university libraries – past trends and current situaton // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 113-116.

Kont, K.-R. Time-driven activity-based costing (TDABC) in assessing the effectiveness of university library : in the case of the Tallinn University of Technology Library // LIDA 2010 :

Libraries in the Digital Age : May 24–28, 2010, Zadar, Croatia. Zadar : University of Zadar, 2010. p. 146-151.

Kont, K.-R., Jantson, S. Digital scholarly resources in Estonia – state financing, use and expenditure of university libraries // LIDA 2010 : Libraries in the Digital Age : May 24–28, 2010, Zadar, Croatia. Zadar : University of Zadar, 2010. p. 162-164.

Kübarsepp, J., Mägi, V. Eesti teaduskeele arendamine ja kasutamine tehnika, tehnoloogia ja majanduse valdkonnas // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 250-256.

Lang, M. Eesti märksõnastiku valmimine – aasta tegu teadusraamatukogus 2009 // Eesti Raamatukoguhoidjate Ühingu aastaraamat 2009. Tallinn : Eesti Raamatukoguhoidjate Ühing, 2010. lk. 81-82. (Eesti Raamatukoguhoidjate Ühingu aastaraamat ; 21).

Liivand, S. Viis aastat korp! Leola ja korp! Vendia sõpruslepingut // Korp! Leola 90. [S. l.] : Korp! Leola, 2010. lk. 253-255.

Liivand, S. Kõne korp! Leola 84. aastapäeval // Korp! Leola 90. [S. l.] : Korp! Leola, 2010. lk. 130-131.

Liivand, S. Korp! Leola ja korp! Vendia kartellilepingu sõlmimine // Korp! Leola 90. [S. l.] : Korp! Leola, 2010. lk. 186-188.

Liivand, S. Rebaiseaeg korp! Leolas // Korp! Leola 90. [S. l.] : Korp! Leola, 2010. lk. 190-194.

Liivand, S. Leola-Lembela suvepäevad juunis 2002 // Korp! Leola 90. [S. l.] : Korp! Leola, 2010. lk. 212-215.

Mägi, V. Teekond poeglaste kommertskoolist Tallinna Polütehnikumini // Inseneeria (2010) 8, lk. 50-51.

Mägi, V. The Estonian language of technology as a driving factor in the evolution of engineering thinking // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 95-96.

Mägi, V. Tallinna Reaalkool, samm insenerihariduse suunas // Inseneeria (2010) 5, lk. 50-51.

Mägi, V. Eestlaste meelispaigaks oli Riia Polütehnikum // Inseneeria (2010) 10, lk. 50-51.

Mägi, V. Estonian technology education in exile after World War II // Historiae Scientiarum Baltica 2010 : Tallinn, October 8–9, 2010 : abstracts of the XXIV International Baltic Conference on the History of Science. Tallinn : Tallinn University of Technology, 2010. p. 117-119.

Mägi, V. Merekoolid Eesti tehnikahariduses // Inseneeria (2010) 3, lk. 50-51.

Mägi, V. Alustaja oli Tallinna Raudtee Tehnikakool // Inseneeria (2010) 2, lk. 26-27.

Mägi, V. Eestlaste inseneriteadmiste häll Riia Polütehnikum // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 273-275.

Mägi, V. Kuidas Tartu kreiskoolist sai reaalkool // Inseneeria (2010) 4, lk. 50-51.

Nurmiste, T. Hieronymuse kaitse all avati Tehnikaülikooli uus teabevaramu // Raamatukogu (2010) 1, lk. 8-9.

Rebane, L. Kuld ja pruun, kuld ja purpur : uusaegsest köitekunstist Kaspar Meuseri raamatuköite näitel // Kunstiteaduslikke Uurimusi (2010) Kd. 19, nr. 1/2, lk. 181-211.

Ребане, Л. О неизвестном книжном переплете работы Каспара Мойзера // Диалог со временем : альманах интеллектуальной истории. 30. Москва : Российская академия наук, 2010. с. 190-211.

Roosimaa, T. Hariduskatastroofi leevedamiseks on vaja seadusi muuta // Haridus, kutsed ja tööturg Eestis : tunnustatud oskuste ja inimvara värtuse probleemid Eestis ning nende lahendamise võimalused : ettekanne Eesti Rooma Klubile. Tallinn : H. Levald, 2010. lk. 91-92.

Sürje, P. Rektor Peep Sürje avakõne : raamatukogu uue hoone avamine // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 55-56.

Sürje, P. Tehnikaülikool jääb // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 11-12.

Tõiste, T. Uues majas sujub töö hästi // Raamatukogu (2010) 1, lk. 10-12.

Vaikmäe, R. Millist raamatukogu vajab teadusülikool? // Raamatukogu (2010) 1, lk. 4.

Vaikmäe, R. Globaalne vandenõuteooria või looduse ja inimese koostöö // Horisont (2010) 1, lk. 8-13.

Vaikmäe, R. Millist raamatukogu vajab teadusülikool? // Tallinna Tehnikaülikooli aastaraamat 2009. Tallinn : TTÜ, c2010. lk. 61-62.

Vaikmäe, R. Ülikooli roll väikeriigi rahvuslikus innovatsioonisüsteemis // Innovaatilised lahendused ja säastvad tehnoloogiad : konverents 2010. Kohtla-Järve, 2010. lk. 24.

\*\*\*

Publikatsioonide nimistik on koostatud Eesti Teadusinfosüsteemi sisestatud andmete alusel. Publikatsiooni kätesaadavuse korral on nimistiku koostajad Ene Kahro ja Milvi Vahtra *de visu* kirjeandmeid täpsustanud ning lisانud täiendavaid kirjeid. Tärniga (\*) märgistatud töid ei ole koostajatel õnnestunud näha.