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Raamatud jm üksikväljaanded  
Ajakirja- ja kogumikuartiklid

### **EHITUSTEADUSKOND**

#### ***Raamatud***

- Engelbrecht, J. (ed.). Estonian Academy of Sciences year book 2003. Tallinn, 2004. 145, [1] p. (Estonian Academy of Sciences year book ; IX(36)).
- Engelbrecht, J. (toim.). Eesti Teaduste Akadeemia aastaraamat 2003. Tallinn, 2004. 192, [2] lk. (Eesti Teaduste Akadeemia aastaraamat ; IX(36)).
- Engelbrecht, J. (toim.). Eesti Vabariigi teaduspreemiad 2004. Tallinn, 2004. 101 lk.
- Engelbrecht, J. Attractors of thoughts. Tallinn, 2004. 174 p.
- Engelbrecht, J. Mõttearjad. Tallinn, 2004. 456 lk.
- Holt-Jensen, A., Henu, E., Kährik, A., Liias, R. (eds.). New ideas for neighbourhoods in Europe : handbook. [Tallinn] : TUT Press, c2004. 330 p.
- Idnum J. Discrete analysis of cable-supported bridges. Tallinn : TUT Press, 2004. 87, [1] p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 7).
- Kala, V. Kõrgema geodeesia alused. Tallinn : Eesti Mereakadeemia, 2004. 230 lk.
- Kinnisvara korrashoiu strateegia ja korraldus eluaseme omanikule. [Tallinn] : TTÜ kirjastus, c2004. 82, [30] lk.
- Kröönström, J., Liias, R. jt. (koost.). Kinnisvara korrashoiu tagamise tegevused. [2., täiend. tr.]. [Tallinn] : Eesti Standardikeskus, 2004. 55, [1] lk. (Eesti standard ; EVS 807:2004).
- Kõiv, T.-A. Kütte ja ventilatsiooni laboratoorsete tööde meetoodilised materjalid. [Tallinn] : TTÜ kirjastus, c2004. 48 lk.
- Lahe, A. Ehitusmehaanika [Elektroniline teavik]. Tallinn, 2004. 1 CD-ROM.
- Laur, T. jt. (koost.). Eritsemendid. Koostis, nõuded ja vastavushindamine. [Tallinn] : Eesti Standardikeskus, 2004. IV, 10, [1] lk. (Eesti standard ; EVS 879:2004).
- Liias, R., Norma, K., Pääro, M., Jaanus, S., Kröönström, J. (koost.). Kinnisvarahalduri käsiraamat. Tallinn : TTÜ kirjastus, c2004. 269 lk.

#### EHITUSTEADUSKOND

Lill, I. Evaluation of labour management strategies in construction. Tallinn : TUT Press, 2004. 114, [1] p. (Theses of Tallinn University of Technology. F, Thesis on civil engineering ; 6).

Müürsepp, O., Sutt, J. Ehitusplatsi korralduse kavandamine : käsiraamat. [Tallinn] : TTÜ kirjastus, c2004. 84 lk.

Nuuter, T., Masing, T. (tlk.). Hoone tehnosüsteemide RYL 2002 : ehitustööde üldised kvaliteedinõuded. II osa. Tallinn : Ortwil, 2004. 331 lk.

Räämet, R., Tärno, Ü. Ehitusmehaanika. 1, Staatikaga määratud arvutussüsteemid. [Tallinn] : TTÜ kirjastus, c2004. 155 lk.

Räämet, R., Tärno, Ü. Ehitusmehaanika. 2, Staatikaga määratud arvutussüsteemid. [Tallinn] : TTÜ kirjastus, c2004. 123 lk.

Suurkask, V. (tlk.). Korvpallireeglid. Tallinn, 2004. 111 lk.

#### *Artiklid*

\* Aavik, A., Sürje, P. Use of falling weight deflectometer measurement data in Estonian pavement management system // 2<sup>nd</sup> European Pavement and Asset Management Conference, Berlin, 2004.

Aavik, A. Euroopa pinnaste klassifikatsiooni kasutamine katendite dimensioneerimisel // Teeleht (2004) 2, lk. 6-13.

Bechmann, M., Deelstra, J., Iital, A., Jansons, V. Risk assessment of phosphorus loss from agriculture in the Nordic and Baltic countries using the P index approach // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. I. Tartu : Tartu University Press, 2004. p. 159-168. (NHP Report / Nordic Hydrological Programme ; No. 48).

\* Blinova, I., Vassiljev, A. Investigation of the temporal changes in the nutrient pollution load from the small watersheds in Estonia // Proc. 8<sup>th</sup> IWA International Conference on Diffuse/Nonpoint Pollution : 24–29 Oct. 2004, Kyoto, Japan. Kyoto : Ritsumeikan University, 2004. p. 893-900.

Deelstra, J., Vagstad, N., Loigu, E., Iital, A., Jansons, V., Abramenko, K., Sileika, A.S. The GEF - Baltic Sea Regional Project - monitoring and assessment of non-point source pollution // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. II. Tartu : Tartu University Press, 2004. p. 393-405. (NHP Report / Nordic Hydrological Programme ; No. 48).

Engelbrecht, J. Eesti Teaduste Akadeemia 2002. aasta aruanne : [ettekannet üldkogu aastakoosolekul 23. aprillil 2003] // Eesti Teaduste Akadeemia aastaraamat 2003. Tallinn : Eesti Teaduste Akadeemia, 2004. lk. 53-59.

Engelbrecht, J. Saateks // Teaduse ning teadus- ja arendustegevuse finantseerimissüsteemi evalveerimine : Eesti Teaduste Akadeemia seminari materjalid : 19.11.2003. Tallinn, 2004. lk. 3.

- Engelbrecht, J. Teadmiste vajadusest // Riigikogu Toimetised. **9** (2004) lk. 33-39.
- Engelbrecht, J. Tervitus teadus-, kultuuri- ja spordipreemiade kätteandmisel 24.02.04 // Eesti Vabariigi teaduspreemiad 2004. Tallinn, 2004. lk. 6-9.
- Engelbrecht, J. [Ettekanne Eesti Teaduste Akadeemia üldkogu koosolekul 17. detsembril 2003] // Eesti Teaduste Akadeemia aastaraamat 2003. Tallinn : Eesti Teaduste Akadeemia, 2004. lk. 60-61.
- Hain, T. Põletatud põlevkivi portlandtsemendi koostisosana // Keskkonnatehnika (2004) 4, lk. 43-44.
- Hääl, M.-L., Hödrejärvi, H., Rõuk, H. Heavy metals in roadside soils // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 4, p. 182-200.
- Hääl, M.-L., Mespak, V. Libedusetõrjekemikaalid mõjutavad asfaltkatte seisundit // Ehitaja (2004) 3, lk. 111-113.
- Iital, A., Deelstra, J., Stålnacke, P., Loigu, E., Pihlak, M. Retention of nitrate in groundwater. The case of Lake Peipsi basin, Estonia // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. I. Tartu : Tartu University Press, 2004. p. 169-179. (NHP Report / Nordic Hydrological Programme ; No. 48).
- Iital, A., Reihan, A., Loigu, E. Tallinnas toimub XXIII Põhjamaade hüdroloogiakonverents // Keskkonnatehnika (2004) 3, lk. 16-17.
- Iital, A., Reihan, A. Tallinnas toimus XXIII Põhjamaade hüdroloogiakonverents ning Põhjamaade ja Balti riikide IHP UNESCO kohtumine // Keskkonnatehnika (2004) 4, lk. 15.
- \* Ilison, O., Salupere, A. On the propagation of solitary waves in microstructured solids [Electronic resource] // 21<sup>st</sup> International Congress of Theoretical and Applied Mechanics : August 15–21, 2004, Warsaw, Poland : ICTAM04 CD-ROM proceedings. Warszawa : IPPT PAN, 2004. [CD-ROM].
- \* Ilison, O., Salupere, A. On the propagation of solitary waves in microstructured solids // 21<sup>st</sup> International Congress of Theoretical and Applied Mechanics : August 15–21, 2004, Warsaw, Poland : ICTAM04 : abstracts. Warszawa : IPPT PAN, 2004. p. 275.
- Juurvee, U. Kivifassaad on kindel, püsiv ja hooldusvaba // Ehitaja (2004) 3, lk. 76-77.
- Juurvee, U. Kirpičnyj fasad : pročno, nadežno i nikakih zobot // Stroitel' (2004) 2, lk. 30-31.
- Kala, V. Digitaalnivelliiri NA2002 kasutamisevõimalustest // Geodeet. **28** (2004) lk. 63-64.
- Kala, V. Richard Lutsar – Geodeedi peatoimetaja 1935–1940 // Geodeet. **29** (2004) lk. 37.
- \* Kalamees, T., Vaikmäe, R., Otsmaa, H., Sasi, L., Õiger, K. Air tightness and thermal bridges of Estonian lightweight timber-frame detached houses // Materials of Forum ANNEX-41 : Zürich, 2004, [6] p.

EHITUSTEADUSKOND

\* Kalamees, T., Vinha, J., Korpi, M., Valvorita, I., Kurnitski, J. Sisäilma kosteuslisä suomalaisissa pientalossa // Sisäilmastoseminaari : 17–18.03.2004, Espoo, s. 81.

\* Kalamees, T. Estonian climate analysis for selecting moisture reference years for hygrothermal calculations // Journal for Thermal Envelope & Building Science. **27** (2004) 3, [3] p.

Kalamees, T. Soojustus looduslike materjalidega // Maakodu (2004) nov., lk. 24.

Kivi, E. Experimental investigation of the Saaremaa suspension bridge model // Modern Buildings Materials, Structures and Techniques : abstracts of the 8<sup>th</sup> International Conference : held on May 19–22, 2004, Vilnius, Lithuania. Vilnius : Technika, 2004. p. 247-248.

Koppel, M. Elu Vaiatus pool sajandit tagasi // Torma Album. IV. Tallinn : Tormalaste Kodupaigauhendus, 2004. lk. 70-72.

Koppel, T., Puust, R., Ainola, L. An inverse approach for leakage identification in water distribution systems // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. I. Tartu : Tartu University Press, 2004. p. 342-349. (NHP Report / Nordic Hydrological Programme ; No. 48).

\* Koppel, T., Vassiljev, A. Analysis of the water flow in the water distribution system from point view of hydraulic energy // Proceedings of the International Conference "Hydraulics (Science and Discipline)". St.Petersburg : SPbGPU, 2004. p. 46-47.

\* Koppel, T., Vassiljev, A. Experience in modeling of water supply systems // Congress publications of ECWATECH-2004 : 1–4 June 2004, Moscow. 2. Moscow : Sibico International, 2004. p. 912.

Kulbach, V. Development of structures for erection of heavy cylindrical shells // Modern Buildings Materials, Structures and Techniques : abstracts of the 8<sup>th</sup> International Conference : held on May 19–22, 2004, Vilnius, Lithuania. Vilnius : Technika, 2004. p. 255-256.

Kulbach, V. Tähtis on oskus lahendada klassikalisi küsimusi : [intervjuu] // Ehitaja (2004) 1, lk. 38-41.

\* Kuusik, A., Sokk, O. Sewage sludge management and its trends for Estonia // EWA Conference : Nutrient Management : European Experiences and Perspectives. Amsterdam : European Water Association, 2004. p. 131-138.

Laur, T. Betooni külmakindlus jätkuvalt pilgu all // Ehitaja (2004) 1, lk. 70-71.

Laving, J. Uurimustöö Eesti transpordist // Transport ja Teed (2004) 1, lk. 9-10.

Leisk, Ü., Loigu, E. The typology of Estonian rivers for assessment of water quality // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. I. Tartu : Tartu University Press, 2004. p. 293-299. (NHP Report / Nordic Hydrological Programme ; No. 48).

- Liias, R. Educating and training the counterparts in the property market // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. p. 53-55.
- Liias, R. Elamute korrashoiust Balti riikides // Elamu (2004) 6, lk. 12-13, 32-33. Rööptekst vene keeles.
- Liias, R. Relating housing maintenance to environmental health // 2<sup>nd</sup> WHO International Housing & Health Symposium : September 29–October 1, 2004, Vilnius, Lithuania : abstract book. Vilnius, 2004. p. 80.
- Liias, R. Understanding facilities management : pricing the housing administration services // Modern Buildings Materials, Structures and Techniques : abstracts of the 8<sup>th</sup> International Conference : held on May 19–22, 2004, Vilnius, Lithuania. Vilnius : Technika, 2004. p. 123-124.
- Liias, R. Väike-ehitusprojekti elluviimise kavandamine // Keskkonnatehnika (2004) 4, lk. 45-48.
- Liias, R. Sovladel'cy : problemy soderžanija mnogokvartirnyh domov // Stroitel' (2004) 1, lk. 19-21.
- \* Liiv, T., Liiv, U. Numerical simulation of the engineering problems Saaremaa deep harbour [Electronic resource] // Proceedings of the International Conference "Hydraulics (Science and Discipline)". St.Petersburg : SPbGPU, 2004. [CD-ROM].
- Liiv, T. A concept of determining settling velocity in waves: dynamic settling velocity // The Baltic : The Eighth Marine Geological Conference : September 23–28, 2004, Tartu, Estonia : abstracts. Excursion guide. Tartu : [Sulemees], 2004. p. 33.
- \* Liiv, T. The effect of bottom roughness to the breaking wave structure in surf zone [Electronic resource] // Proceedings of the International Conference "Hydraulics (Science and Discipline)". St.Petersburg : SPbGPU, 2004. [CD-ROM].
- Liiv, U. Harry Tivar : 14.03.1919 – 18.05.2003 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2003. lk. 402-404.
- Liiv, U. Professor Johann Nikuradse sai kõrghariduse Tartus! // Keskkonnatehnika (2004) 6, lk. 17.
- Metsaveer, J. Kas tõesti muutus? // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 171.
- Mikli, L. Müratõrje ja ehituspoliitika // Keskkonnatehnika (2004) 4, lk. 49-50.
- Mutso, M., Huimerind, J., Kodres, K., Ekker, E., Karp, R., Õiger, K. Hüüdja hääl *versus* raha võim : [Linnahalli renoveerimise võimalikkusest] // Ehituskaar (2004) 1, lk. 4-11.
- Mölder, H. Teadmiseks veetöötlusoperaatoritele // Keskkonnatehnika (2004) 1, lk. 9.
- \* Nõges, T., Tõnno, I., Laugaste, R., Loigu, E., Skakalski, B. The impact of changes in nutrient loading on cyanobacterial dominance in Lake Peipsi // Arch. Hydrobiology. **160** (2004) 2, p. 261-279.

EHITUSTEADUSKOND

Paas, S., Vaabel, J. Development of demand patterns for water distribution systems // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. I. Tartu : Tartu University Press, 2004. p. 350-356. (NHP Report / Nordic Hydrological Programme ; No. 48).

Parre, P. Korterelamu ventilatsioonisüsteemi rekonstrueerimine // Keskkonnatehnika (2004) 5, lk. 19-20.

\* Peetrimägi, L., Liias, R. Modelling expenses for repair works // 4<sup>th</sup> International Postgraduate Research Conference : April 1<sup>st</sup>–2<sup>nd</sup> 2004, University of Salford. [S. 1.] : Blackwell Publishing, 2004. p. 779-787.

Pihlak, I., Antov, D. Piirkiiruste normimisest linnatänavatel // Teeleht (2004) 3, lk. 8-11.

Pihlak, I., Antov, D. Piirkiiruste normimisest linnatänavatel // Tallinna Tehnikakõrgkooli Toimetised. 4 (2004) lk. 42-46.

\* Pihlak, I., Antov, D. Speed limitation in towns // Materials of the X International Scientific and Practical Conference Social and Economic Problems of Town Transport Systems Development and Areas of their Influence. Ekaterinburg, 2004. p. 102-107.

Pärnapuu, M. Raamat Veekaitse Eestis 1945–2002 // Keskkonnatehnika (2004) 3, lk. 40.

Pärnapuu, M. Vee-energiakonverents Rootsis // Keskkonnatehnika (2004) nr. 5, lk. 16.

Raado, L.-M., Hain, T. Effect of portland cement composition on sulphate resistance // 1. Baltijas valstu silikātu materiālu konference : Rīga, 2004.g. 27.–28.maijs : book of abstracts. Rīga, 2004. p. 15.

Raado, L.-M., Tuisk, T. Stability of mineral binding based external rendering systems // Modern Buildings Materials, Structures and Techniques : abstracts of the 8<sup>th</sup> International Conference : held on May 19–22, 2004, Vilnius, Lithuania. Vilnius : Technika, 2004. p. 103-104.

Raado, L.-M. Millist tsementi kasutada? // Ehitaja (2004) 10, lk. 43-45 ; 11, lk. 44-49.

Raado, L.-M. Raimond Otsman : 05.10.1916 – 18.12.2002 [p.o. 18.12.2003] // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 394-395.

Raado, L.-M. Kakoj cement ispol'zovat' // Stroitel' (2004) 4, lk. 37-44.

\* Raia, T., Sock, O. Impletation of sludge treatment directives and utilition of sludge in Estonia // Workshop proceedings : Problems around Sludge – the Assession Countries Perspectives : Ispra, Italy, 2004, p. 28-30.

\* Ratssepp, M., Metsaveer, J., Klauson, A. Model of the plugging detection in metallic pipes using ultrasonic guided waves [Electronic resource] // Eleventh International Congress on Sound and Vibration : St.Petersburg, Russia, 5–8 July 2004. St.Petersburg, 2004. p. 1937-1942 [CD-ROM].

- Saks, A., Velner, H.-A., Pärnapuu, M. Estonian hydropower and environment [Electronic resource] // *Hidroenergia* 04 : Falkenberg, Sweden, June 17–19 : conference proceedings, [6] p. [CD-ROM].
- \* Salupere, A., Engelbrecht, J. Hidden and driven solitons in microstructured media [Electronic resource] // 21<sup>st</sup> International Congress of Theoretical and Applied Mechanics : August 15–21, 2004, Warsaw, Poland : ICTAM04 CD-ROM proceedings. Warszawa : IPPT PAN, 2004. [CD-ROM].
- \* Salupere, A., Engelbrecht, J. Hidden and driven solitons in microstructured media // 21<sup>st</sup> International Congress of Theoretical and Applied Mechanics : August 15–21, 2004, Warsaw, Poland : ICTAM04 : abstracts. Warszawa : IPPT PAN, 2004. p. 278.
- Sasi, L., Kalamees, T. Elamu sisekliima, küttekulu ja õhutihedus // *Ehituskaar* (2004) 2, lk. 46-47.
- Sasi, L. Kui mul on kavas osta vanem puumaja // *Keskkonnatehnika* (2004) 2, lk. 19-20.
- Soonurm, E. Ottomar Julius Martin Maddison : 125 aastat sünnist // *Teeleht* (2004) 2, lk. 24-25.
- Stalnacke, P., Vandsemb, S.M., Vassiljev, A., Grimvall, A., Jolankai, G. Changes in nutrient levels in some Eastern European rivers in response to large-scale changes in agriculture // *Water science and technology*. **49** (2004) 3, p. 29-36.
- Tomson, H., Velner, H.-A. Karl Hommik : 1904–1983 // *Karl Hommik : hüdroloog ja maaparandusteadlane*. Tartu : Tartu Ülikooli Kirjastus, 2004. lk. 7-15.
- Tross, M., Sasi, L. jt. Kodu tervislikuks : [nõuandeid jagavad Lennart Sasi jt.] // *Kodukiri* (2004) 1, lk. 42-44.
- Tärno, Ü. Pool sajandit professor Heinrich Lauu raudbetoonkoorikute koolkonda // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 34-40.
- \* Vassiljev, A., Grimvall, A., Larson, M. A dual-porosity model for nitrogen leaching from a watershed // *Hydrological sciences journal*. **49** (2004) 2, p. 313-322.
- \* Vassiljev, A., Stalnacke, P. Source apportionment of nitrogen and phosphorus influencing the water quality in the Lake Peipsi basin // Abstract volume from VI Russian Hydrological Congress (28 Sept.–1 Oct. 2004). 4. St.Petersburg : Gidrometeoizdat, 2004. p. 5-6.
- \* Vassiljev, A. Modeling of nitrogen leaching from a watershed // Proc. 8<sup>th</sup> IWA International Conference on Diffuse/Nonpoint Pollution : 24–29 Oct. 2004, Kyoto, Japan. Kyoto : Ritsumeikan University, 2004. p. 235-240.
- Velner, H.-A., Pärnapuu, M., Saks, A. Water-flow and management of rivers in Estonia // XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8–12 August 2004 : selected articles. Vol. II. Tartu : Tartu University Press, 2004. p. 466-473. (NHP Report / Nordic Hydrological Programme ; No. 48).

#### ENERGEETIKATEADUSKOND

Velner, H.-A. Eesti-Soome sõprussilla ehitaja on lahkunud : [Soome veeteadlane Paavo Väisänen] // Keskkonnatehnika (2004) 6, lk. 16.

Villemi, E.-M. Vähima kuluga ühistranspordi liik Eesti maakonna- ja kaugveole // Transport ja Teed (2004) 2, lk. 11-13.

Voltri, V. Jõhvi viadukti ajalugu on pikk ja keeruline // Ehitaja (2004) 5, lk. 23.

Voltri, V. Vanad raudbetoon- ja kivikorstnad on ohus // Ehitaja (2004) 1, lk. 26-28.  
Lisa: Karl Õigeri kommentaar.

Voltri, V. Starye dymovye trubyy v opasnosti // Stroitel' (2004) 1, lk. 30-32.

Õiger, K., Koppel, T., Laur, T. Educational problems of civil engineering at Tallinn University of Technology // ITHET 2004 : proceedings of the Fifth International Conference on Information Technology based Higher Education and Training : 31 May–2 June, 2004, Istanbul, Turkey. [S. l.], c2004. p. 434-436.

\* Õiger, K., Onton, H. Restoration of an old concrete construction: The Hydroplane Hangar in Tallinn // Material of 6<sup>th</sup> European Commission Conference on Sustaining Europ's Cultural Heritage : from Research to Policy : 1–3 September 2004, London : final programme and abstracts, p. 26.

Õiger, K. Ehitiste ja rajatiste ohutuse, riski ja töökindlusega seonduvast // Ehituskaar (2004) 2, lk. 24-27.

Õiger, K. Ehitiste tehnilise seisundi hindamisest // Ehitaja (2004) 2, lk. 11-15.

Õiger, K. Märkusi ja mõtteid eluhoonete, eriti korruselamute, renoveerimise kohta // Keskkonnatehnika (2004) 3, lk. 49-53.

#### ENERGEETIKATEADUSKOND

##### *Raamatud*

Bolgov, V. Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor. Tallinn : TTU Press, c2004. 44 p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 18).

Dorovatovski, N. Thermographic diagnostics of electrical equipment of Eesti Energia Ltd.. Tallinn : TUT Press, 2004. 58, [1] p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 21).

Joller, J. (tlk.). Elektromagnetiline ühilduvus. Osa 6, Erialased põhistandardid. Jagu 1, Häiringukindlus olme-, kaubandus- ja väiketööstuskeskkondades. [Tallinn] : Eesti Standardikeskus, 2004. II, 16 lk. (Eesti standard ; EVS-EN 61000-6-1:2004).



- Joller, J. (tlk.). Elektromagnetiline ühilduvus. Osa 6, Erialased põhistandardid. Jagu 2, Häiringukindlus tööstuskeskkondades. [Tallinn] : Eesti Standardikeskus, 2004. II, 18 lk. (Eesti standard ; EVS-EN 61000-6-2:2004).
- Joller, J. (tlk.). Elektromagnetiline ühilduvus. Osa 6, Erialased põhistandardid. Jagu 3, Olme-, kaubandus- ja väiketööstuskeskkondade emissioonistandard. [Tallinn] : Eesti Standardikeskus, 2004. II, 11 lk. (Eesti standard ; EVS-EN 61000-6-3:2004).
- Joller, J. (tlk.). Elektromagnetiline ühilduvus. Osa 6, Erialased põhistandardid. Jagu 4, Tööstuskeskkondade emissioonistandard. [Tallinn] : Eesti Standardikeskus, 2004. II, 11 lk. (Eesti standard ; EVS-EN 61000-6-4:2004).
- Lahtmets, R. (ed.). Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. 78 p.
- Lehtla, T. (tlk.). Ehitiste elektripaigaldised. Osa 7-711, Nõuded eripaigaldistele ja -paikadele. Näitused, esitused ja stendid. [Tallinn] : Eesti Standardikeskus, 2004. II, 16, [1] lk. (Eesti standard ; EVS-HD 384.7.711 S1:2004).
- Lehtla, T. (tlk.). Ehitiste elektripaigaldised. Osa 7, Nõuded eripaigaldistele ja -paikadele. Jagu 704, Ehituspaikade paigaldised. [Tallinn] : Eesti Standardikeskus, 2004. II, 11, [1] lk. (Eesti standard ; EVS-HD 384.7.704 S1:2004).
- Lehtla, T. (tlk.). Ehitiste elektripaigaldised. Osa 7, Nõuded eripaigaldistele ja -paikadele. Jagu 702, Ujumis- ja muud basseinid. [Tallinn] : Eesti Standardikeskus, 2004. II, 20, [1] lk. (Eesti standard ; EVS-HD 384.7.702 S2:2004).
- Oidram, R. (tlk.). Liigpingepiirikud. Osa 4, Sädemiketa metalloksiidliigpingepiirikud vahelduvvoolusüsteemidele. [Tallinn] : Eesti Standardikeskus, 2004. II, 169, [1] lk. (Eesti standard ; EVS-EN 60099-4:2004).
- Oidram, R., Metusala, T. (tlk.). Madalpingevõrkudes kasutatavate seadmete isolatsiooni koordineerimine. Osa 1, Põhimõtted, nõuded ja katsetused. [Tallinn] : Eesti Standardikeskus, 2004. II, 81, [1] lk. (Eesti standard ; EVS-EN 60664-1:2004).
- Pajo, R. Power system stability monitoring – an approach of electrical load modelling. Tallinn : TUT Press, 2004. 160, [1] p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 19).
- Risthein, E. (koost.). Ehitiste elektripaigaldised. Osa 6-61, Kontrolltoimingud. Kasutuselevõtukontroll. [Tallinn] : Eesti Standardikeskus, 2004. II, 29, [1] lk. (Eesti standard ; EVS-HD 384.6.61 S2:2004).
- Risthein, E. (koost.). Ehitiste elektripaigaldised. Osa 7-717, Nõuded eripaigaldistele ja -paikadele. Liikuvad ja veetavad üksused. [Tallinn] : Eesti Standardikeskus, 2004. II, 22, [1] lk. (Eesti standard ; EVS-HD 60364-7-717:2004).
- Risthein, E. (koost.). Ehitiste elektripaigaldised. Osa 7, Nõuded eripaigaldistele ja -paikadele. Jagu 714, Välisvalgustuspaigaldised. [Tallinn] : Eesti Standardikeskus, 2004. II, 9, [1] lk. (Eesti standard ; EVS-HD 384.7.714 S1:2004).

#### ENERGEETIKATEADUSKOND

Risthein, E. Maandamine ja potentsiaaliühtlustus. Tallinn : EETEL-Ekspert, 2004. 103 lk. (Elektripaigaldised. Teaberaamat ; 3).

Rööp, A. (koost.). Elektriagamite ja jõuelektronika instituut : aastaraamat 2003 = Department of Electrical Drives and Power Electronics : annual report 2003. Tallinn : TTÜ elektriagamite ja jõuelektronika instituut, 2004. 52, [1] lk.

Švalova, J. Optimal approximation of input-output characteristics of power units and plants. Tallinn : TUT Press, 2004. 51, [1] p. (Theses of Tallinn University of Technology. D, Thesis on power engineering, electrical engineering, mining engineering ; 20).

Terno, O., Metusala, T. (tlk.). Liigpingepiirid. Osa 5, Valik ja kasutamissoovitused. [Tallinn] : Eesti Standardikeskus, 2004. II, 68, [1] lk. (Eesti standard ; EVS-EN 60099-5:2004).

Valdma, M., Möller, K. (comps.). Department of Electrical Power Engineering : annual report 2003. Tallinn, 2004. 40 p.

Valdma, M., Möller, K. (koost.). Elektroenergeetika instituut aastal 2003 : instituudi tegevuse lühiaruanne. Tallinn, 2004. 38 lk.

Valgma, I. (koost.). Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. 99 lk.

#### **Artiklid**

Allem, J., Sihiveer, Ü. How to transfer lighting company from stone-age to cyberspace : [posters] // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 75-77.

Armas, J., Laugis, J. Sistema upravljenija tonnelja // Automatika ir valdymo technologijos - 2004 = Automation and Control Technologies - 2004 : proceedings of the International Conference. Kaunas : Technologija, 2004. p. 46-50.

Boiko, V., Laugis, J. A speed measurement method in the model drive with field-oriented control // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 337-338.

Boiko, V., Laugis, J. Behavior of the dual-motor traction drives in the different operation modes // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-165 - 6-168.

Boiko, V., Vinnikov, D. Eesti elektriraudtee kontaktvõrgu seisund ja väljavaated // Elektriala (2004) 1, lk. 24-25.

- Boiko, V., Vinnikov, D., Laugis, J. Rešenie zadači izmerenija skorosti v makete privoda s vektornym upravleniem // *Automatika ir valdymo technologijos - 2004 = Automation and Control Technologies - 2004* : proceedings of the International Conference. Kaunas : Technologija, 2004. p. 43-45.
- Boiko, V., Laugis, J. Modelirovanie dinamičeskogo oslablenija polja asinhronnogo dvigatelja // *Tehnična elektrodinamika* (2004) 1, lk. 129-132.
- Boiko, V. Maket privoda s vektornym upravleniem // *Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering"* : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 66-68.
- Doroš, A. Programmeeritavad kontrolleriid Unitronics // *Elektriala* (2004) 2, lk. 20, 22.
- Doroš, A. Sistemy zagruzki gazogeneratorov GGS-4 na Viru Keemia Grupp // *Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering"* : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. lk. 73-74.
- Dorovatovski, N., Mikk, A. Kõrgepingeliinide lühisekoha määramisest // *Elektriala* (2004) 2, lk. 23-25.
- Einasto, R., Nestor, H., Pirrus, E. Muistsed mered Baltika pinnal // *Maa Universumis : möödanik. Tänapäev. Tulevik*. Tallinn : Reves Grupp, 2004. lk. 219-231.
- Erg, K. Hüdrogeoloogia õpetamine erinevates ülikoolides // *Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents* : 19. märts 2004. Tallinn, 2004. lk. 36-40.
- Erg, K. Põlevkivi kaevevälja ja Vasavere ürgoru hüdrogeoökoloogia // *Hüdrogeoloogilised uuringud Geoloogia Instituudis aastail 1965–2003*. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 87-90.
- Erg, K. Vasavere mattunud org ja Kurtna järvistu // *Ida-Virumaa : Illuka, Mäetaguse, Iisaku, Alajõe*. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 20-24. (Loodusmälestised ; 13).
- Jansikene, R., Liivik, L. Starting processes of experimental frequency controlled electrical drive // *BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference* : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 325-326.
- Janson, K., Järvi, J., Šklovski, J., Vinnal, T. Inverter mode in converter with alternating of parallel and series resonance // *EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference* : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 1 of 7, Power electronic converters and control. Riga : Riga Technical University, c2004. p. 1-227 - 1-232. Saadaval ka CD-ROMil.
- Kiipli, E., Kallaste, T., Kiipli, T. Metabentonites of the Pirgu Stage (Ashgill, Upper Ordovician) of the East Baltic // *WOGOGOB-2004 : 8<sup>th</sup> Meeting of the Working Group on the Ordovician Geology of Baltoscandia* : May 13–18, 2004, Tallinn and

ENERGEETIKATEADUSKOND

Tartu, Estonia : conference materials : abstracts and field guidebook. Tartu : Tartu University Press, 2004. p. 53-54.

Kiipli, T., Kallaste, T., Kiipli, E. Areal variations in the composition of the Kinnekulle altered volcanic ash bed (Caradoc) – relations to sedimentary facies // WOGOGOB-2004 : 8<sup>th</sup> Meeting of the Working Group on the Ordovician Geology of Baltoscandia : May 13–18, 2004, Tallinn and Tartu, Estonia : conference materials : abstracts and field guidebook. Tartu : Tartu University Press, 2004. p. 55-56.

Kilk, A. Mesindus Euroopa Liidus // Maamajandus (2004) detš., lk. 37-39.

Kilk, A. Mesindus toibub mullusest talvest // Maamajandus (2004) 2, lk. 38-40.

Kilk, A. Põhja- ja Baltimaade Mesindusnõukogu koosolek // Maamajandus (2004) 3, lk. 30-32.

Kink, H., Erg, K. Eestimaa sood // Maa Universumis : möödanik. Tänapäev. Tulevik. Tallinn : Reves Grupp, 2004. lk. 143-148.

Kirsimäe, K., Hints, R., Kallaste, T., Kiipli, E., Kiipli, T. Chloritization of Upper Ordovician Pirgu bentonites – source material or diagenetic environment? // WOGOGOB-2004 : 8<sup>th</sup> Meeting of the Working Group on the Ordovician Geology of Baltoscandia : May 13–18, 2004, Tallinn and Tartu, Estonia : conference materials : abstracts and field guidebook. Tartu : Tartu University Press, 2004. p. 57-58.

Klytta, M., Lehtla, T., Sidelnikov, P. Determination of high frequency parameters of an induction motor drive // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-391 - 6-395.

Kuusk, L., Vilks, I. Pilot solution for one of the world largest mobile unit drive system – revamp of the dragline // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 54-57.

Kuusk, L. Renovation of 30 years old dragline drive system // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 323-324.

\* Laugis, J., Lehtla, T., Pettai, E., Joller, J., Rosin, A., Lehtla, M., Vinnikov, D. Modernisation of trams in Estonia // The 6-th International Conference on Unconventional Electromechanical and Electrical Systems : UEES'04. Vol. 2 of 3. Szczecin, 2004. p. 561-564.

Laugis, J., Ruban, O. Professional'noe obučenie v Èstonii v oblasti èlektrotehniki i avtomatiki // Automatika ir valdymo technologijos - 2004 = Automation and Control Technologies - 2004 : proceedings of the International Conference. Kaunas : Technologija, 2004. p. 38-41.

- Lehtla, M., Laugis, J. Control system for electric traction drive // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 331-332.
- Lehtla, M. Microprocessor based traction control system and diagnostic algorithms for the traction drive TVM1 // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 58-61.
- Lehtla, T. Curriculum and study subjects in the field of electrical drives and power electronics at Tallinn Technical University // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 41-45.
- Lehtla, T. Energiasääst elektriaramites // Elektriala (2004) 2, lk. 10-11.
- Leoste M. Distributed generation – the new way for electrical networks // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 51-53.
- Leoste, M. Distributed generation implementing problems // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 5 of 7, Power supply quality, renewables, power systems and DER. Riga : Riga Technical University, c2004. p. 5-151 - 5-153.
- Leoste, M. Hea valgustus on edu pant // Elektriala (2004) 6, lk. 5.
- \* Liik, O., Oidram, R., Keel, M., Landsberg, M. Co-operation of wind generators with fossil power plants : problems and gains // Proc. of Nord Wind Power Conference : Cothenburg, 2004. Cothenburg : Chalmers University of Technology, 2004. [6] p.
- \* Liik, O., Oidram, R., Keel, M., Landsberg, M. A new method for estimation of fuel savings by wind energy and its impact on powersystem planning // Proc. of Power-Gen Europe 2004 : Barcelona, Spain, paper 357, [18] p.
- Liik, O. Estonian energy sector today and its future development tasks // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 11-16.
- \* Liik, O. Igaunijas energetika – tagadne un nakotnes izaicinajumi // Energija un pasaule (2004) 5, p. 37-38.
- Liik, O. Present situation and future challenges of Estonian power engineering // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 3-8.
- \* Liik, O. Present situation and future challenges of Estonian energy sector // Proc. of Int. Conference "Energy and Culture" : Bremen, 2004. Bremen : International University of Bremen, 2004. [10] p.
- Liivik, L., Jansikene, R., Lehtla, T. Topical problems of teaching of electrical drives // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 4 of 7, Motion

ENERGEETIKATEADUSKOND

control, adjustable speed drives and education of electrical engineering. Riga : Riga Technical University, c2004. p. 4-502 - 4-506.

Liivik L. Contemporary teaching of electrical drives // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 48-50.

Lind, H. EMC – European Mining Course. Euro-mäeinsenerid // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 50-51.

Makarikhin, V., Sõstra, Ü. Unique landscapes of Karelia (NW Russia) for tourism // Natural and Cultural Landscapes - The Geological Foundation : 9–11 September 2002, Dublin Castle, Ireland : proceedings of a conference. Dublin : Royal Irish Academy, c2004. p. 305-308.

Meldorf, M., Pajo, R., Taal, A. Characteristics of bus loads of electrical system // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 5 of 7. Riga : Riga Technical University, c2004. p. 5-166 - 5-170.

\* Mets, M. Some key issues in Estonian geotechnics reflections on the development of technology and know-how during the second half of the 20<sup>th</sup> century // NGM proceedings : Norway, 2004. Vol. 1, p. 37-64.

Metusala, T., Valtin, J. Development of the curriculum of electrical power engineering studies at Tallinn Technical University // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 38-40.

Nikitin, O. Põlevkivi kamberkaevandamise tehnoloogiline optimeerimine // Eesti Põlevloodusvarad ja -jätmed (2004) lk. 6-7.

Pajo, R. Investeeringud kõrge- ja keskpinge võrku tagavad jätkusuutliku arengu // Elektriala (2004) 4, lk. 7-9.

\* Palu, I. Visiting Hannover Fair 2004 // Fair Play 2004. Helsinki, 2004. p. 6-8.

Panov, V., Järvi, J. Opređenje mesta povređenija v setjah 6..35 kV pri odnofaznyh замыkanijah na zemlju // Ograničenje perenaprjaženij i režimy zazemlenija nejtrali setej 6-35 kV : trudy tret'ej vserossijskoj naučno-tehničeskoj konferencii : 28–30 sentjabrja 2004 goda. Novosibirsk, 2004. lk. 160-167.

Pastarus, J.-R. Allmaakaevandamise tehnoloogia õpetamine TTÜ-s ja mujal maailmas // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 32-35.

\* Pastarus, J.-R. Improved method of predicting long-term stability of the mining blocks in Estonian oil shale mines // Rezekne Augstskolas Izdevnieciba. Rezekne, 2004. p. 37-42.

\* Pastarus, J.-R. Mining block stability monitoring by roof-to-floor convergence // SWEMP 2004 : Turkey, Ankara, p. 211-214.

- Pettai, E., Laugis, J., Lehtla, T., Joller, J., Rosin, A. Distributed energy supply system for electric vehicles // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-218 - 6-221.
- Pirrus, E.-A. Eesti ala aegade koidikul // Maa Universumis : möödanik. Tänapäev. Tulevik. Tallinn : Reves Grupp, 2004. lk. 204-207.
- Pirrus, E.-A. Pisut karstist // Keskkonnatehnika (2004) 1, lk. 12-14.
- Pirrus, E.-A. Possibilities of stratigraphical interpretation of the dividal group in the Kilpisjärvi area (Finnish Lapland), based on lithogenetic characteristics // Proceedings of the Estonian Academy of Sciences. Geology. **53** (2004) 1, 28-41.
- Pirrus, E.-A. Rändrahnud // Ida-Virumaa - Lääne-Virumaa : Kohtla, Lüganuse, Aseri, Viru-Nigula. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 22-26. (Loodusmälestised ; 11).
- Pirrus, E.-A. Rändrahnud // Harjumaa, Raplamaa - ümber Mahtra soostiku : Kose, Kõue, Kohila, Kaiu, Juuru. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 15-17. (Loodusmälestised ; 12).
- Pirrus, E.-A. Rändrahnud // Ida-Virumaa : Illuka, Mäetaguse, Iisaku, Alajõe. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 19-20. (Loodusmälestised ; 13).
- Pirrus, E.-A. Sufosioon Eestis // Eesti Looduseuurijate Seltsi aastaraamat. 82. kd. Tartu : Eesti Loodusuurijate Selts, 2004. p. 190-231.
- Raesaar, P. Olaf Terno 75 // Elektriala (2004) 3, lk. 8.
- Reinsalu, E., Adamson, A. Mäeinseneride õpetamise taastamine Tallinna Tehnikaülikoolis // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 12-15.
- Reinsalu, E. Maavarad ja mäendus // Ida-Virumaa : Illuka, Mäetaguse, Iisaku, Alajõe. Tallinn : Teaduste Akadeemia Kirjastus, 2004. lk. 29-31. (Loodusmälestised ; 13).
- Reinsalu, E. Üliõpilaste konkursile laekunud tööd // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 88.
- Risthein, E. 20. sajand ja maailma energiatarbimine // Elektriala (2004) 2, lk. 26-30.
- Risthein, E. Elektripaigaldiste kasutuselevõtukontrolli standard // Elektriala (2004) 6, lk. 36.
- Risthein, E. Ennustatakse soojuspumpade arvu kiiret kasvu // Elektriala (2004) 5, lk. 28.
- Risthein, E. Euroopa elektrituru praegusest seisust // Elektriala (2004) 5, lk. 19.
- Risthein, E. Ilmusid neli elektromagnetilise ühilduvuse standardit // Elektriala (2004) 3, lk. 30.
- Risthein, E. Jootmine ilma pliita // Elektriala (2004) 4, lk. 15.

ENERGEETIKATEADUSKOND

- Risthein, E. Madalpingedirektiiv on konkretiseerunud // Elektriala (2004) 3, lk. 19.
- Risthein, E. Meilt küsiti, milliseid elektritöid tohib teha tavaisik oma kodus // Elektriala (2004) 4, lk. 30-31.
- Risthein, E. Normung als Tätigkeitsgebiet der Hochschullehrer // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 46-47.
- Risthein, E. Sisevalgustusnormid on lõpuks ilmunud // EVS Ekstra (2004) 1, kevad, lk. 15-16, 21.
- Risthein, E. Valguse värelus // Elektriala (2004) 6, lk. 10-12.
- Roasto, I. Lade- und Entladevorgänge von Ultrakondensatoren // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 69-72.
- Rosin, A., Lehtla, M., Möller, T. Intelligent control and diagnostics system for Tallinn trams // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-185 - 6-188.
- Rosin, A., Pettai, E., Lehtla, T. Development of control and diagnostics system for Tallinn trams // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 327-330.
- Rosin, A. Nutikas tramm // Elektriala (2004) 2, lk. 16-18.
- Sakkos, T., Sarv, V. Power factor correction of three-phase diode rectifiers using optimum ripple-power control // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol.5 of 7, Power supply quality, renewables, power systems and DER. Riga : Riga Technical University, c2004. p. 5-397 - 5-401. Saadaval ka CD-ROMil.
- Suuroja, K., Suuroja, S. Tähearmid Eesti maapinnas // Maa Universumis : möödanik. Tänapäev. Tulevik. Tallinn : Reves Grupp, 2004. lk. 156-167.
- \* Sõstra, Ü., Makarikhin, V., Suominen, V. Unique objects of the Early Precambrian in the Eastern Fennoscandian Shield // 32<sup>nd</sup> IGC : Florence, 2004, p. 580.
- \* Sõstra, Ü., Perens, R. Groundwater in the hard bedrocks of Estonia // Fennoscandia 3<sup>rd</sup> Regional Workshop on Hardrock Hydrogeology. Helsinki, 2004. p. 11.
- Sõstra, Ü., Sõstra, I. The architecture of faults and fractured zones of the Karelian Region, NW Russia and Estonia // GFF. **126** (2004) part 1, The 26<sup>th</sup> Nordic Geological Winter Meeting : abstract volume, p. 64.
- Sõstra, Ü. Geological background for biodiversity in the Eastern Fennoscandia, Estonia and Latvia // Natural and Cultural Landscapes - The Geological Foundation : 9–11 September 2002, Dublin Castle, Ireland : proceedings of a conference. Dublin : Royal Irish Academy, c2004. p. 73-76.



- Sõstra, Ü. Geoloogiline baasõpe geotehnoloogidele TTÜ-s // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 41-44.
- Sõstra, Ü. Structural study of the Finnish Caledonides in the Kilpisjärvi-Halti area // GFF. **126** (2004) part 1, The 26<sup>th</sup> Nordic Geological Winter Meeting : abstract volume, p. 87-88.
- Sõstra, Ü. Osnovnye čerty geologičeskogo stroenija Karel'skogo regiona // Glubinnoe stroenie i sejsmičnosť Karel'skogo regiona i ego obramlenija. Petrozavodsk : Karel'skij nayčnyj centr, 2004. lk. 14-28.
- Treufeldt, Ü. Doktoriväitekiri termograafilise diagnostika rakendustest ja uuringutest : [N.Dorovatovski doktoritööst] // Elektriala (2004) 6, lk. 31.
- Treufeldt, Ü. Kaks uut tehnikateaduste doktorit : [R.Pajo ja J.Šuvalova] // Elektriala (2004) 5, lk. 25.
- Uibopuu, L. Mäeharidusest 1940. aastani // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 61-65.
- Valdma, M. Energeetika arengu võtmeküsimused // Elektriala (2004) 3, lk. 5-7.
- \* Valgma, I., Pensa, M. An analysis of vegetation restoration on opencast oil shale mines in Estonia // Society for Ecological Restoration International, USA, 2004, p. 20-27.
- Valgma, I. Eesti Mäeselts // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 89-98.
- Valgma, I. Rahvusvaheline mäendus // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 53-60.
- Valtin, J. Tallinna Tehnikaülikooli energeetikateaduskonna elektriala lõpetajad juunis 2004 // Elektriala (2004) 3, lk. 35.
- Valtin, J. Tallinna Tehnikaülikooli energeetikateaduskonna elektriala lõpetajad detsembris 2004 // Elektriala (2004) 6, lk. 32.
- Vinnikov, D., Lehtla, T. Compact design of a power circuit for a dual-output voltage converter // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 333-336.
- Vinnikov, D., Lehtla, T. Review of possible DC-DC converter-topologies for tram's auxiliary power supply // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-176 - 6-179.
- Vinnikov, D. Auxiliary voltage converter for Tallinn trams: stages of development // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004. Kuressaare, 2004. p. 62-65.

#### HUMANITAARTEADUSKOND

Vinnikov, D., Boiko, V., Lehtla, M., Rosin, A., Laugis, J. Ob opyte Instituta èlektroprivoda i silovoj èlektroniki TTU v oblasti modernizacii èlektropodvižnogo sostava Tallinnskogo tramvajnogo parka // Tehnična elektrodinamika (2004) 3, lk. 52-55.

Västrik, A., Kõpp, V., Karu, V. Tudengite nägemus mäeõppest // Mäeinseneride ettevalmistus ja kvalifikatsioon : Eesti Mäekonverents : 19. märts 2004. Tallinn, 2004. lk. 52.

### HUMANITAARTEADUSKOND

#### *Raamatud*

Abraškevičiūtė, A., Lukk, A., Rummel, K., Rückenber, P., Saar, H., Sune, K., Uibo, M. Võõrkeeleeksamite käsiraamat kõrgkoolidele. [Tallinn] : TTÜ kirjastus, [2004]. 86 lk.

Abraškevičiūtė, A., Lukk, A., Rummel, K., Rückenber, P., Saar, H., Sune, K., Uibo, M. Handbook of LSP examinations. [Tallinn] : TUT Press, [2004]. 113 p.

Kiili, J. (koost.). Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. 336 lk.

Laanemäe, A. Halduseetika. [Tallinn] : TTÜ kirjastus, 2004. 236 lk.

Meriste, M., Meriste, U., Rajangu, V. (koost.). Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. 160 lk.

Michael, B., Kattel, R., Drechsler, W. (ed.). Enhancing the Capacities to Govern : Challenges Facing the Central and Eastern European Countries : selected papers from the 11<sup>th</sup> NISPAcee Annual Conference Bucharest 2003. Bratislava : NISPAcee, 2004. 281 p.

Mäeltsemees, S. Maailma ühiskonnageograafia gümnaasiumile. 2. osa, Maailma majandus. [Tallinn : Avita], 2003. 169, [1] lk.

Mäeltsemees, S. Tallinna linna juhtimine : 100 aastat eestlaste võimuletulekust pealinnas. Tallinn, 2004. 305, [1] lk.

Mägi, V. (koost.). Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. 501 lk., [36] lk. fot.

Mägi, V. Inseneriühendused Eesti riigi ülesehituses ja kultuuriprotsessis (1918–1940). Tallinn : TPÜ kirjastus, 2004. 146 lk. (Tallinna Pedagoogikaülikool. Humanitaarteaduskonna dissertatsioonid ; 12).

Rajangu, V., Meriste, M. (koost.). 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. 120 lk., [16] lk. fot.

Rohult, E., Kubo, H., Juhanson, I., Pikner, T., Sjusjukalova, O. (koost.). Eestikeelseid lugemistekste tehnikaerialade üliõpilastele. [Tallinn] : TTÜ kirjastus, c2004. 80 lk.

- \* Uibo, M. Cross-cultural business communication. Student's book. Koper : University of Primorska, 2004. 193 p.
- \* Uibo, M. Cross-cultural business communication. Teacher's portfolio. Koper : University of Primorska, 2004. 120 p.
- \* Uibo, M. Cross-cultural business communication. Student's portfolio. Koper : University of Primorska, 2004. 35 p.

### **Artiklid**

- Aadel, L. Values of administrative culture // Tvorčist' vrjatuè svit : materiali 7-i Mižnarodnoi naukovo-praktičnoi konferencii : 22–23 travnja 2003 r. m. Kiiv. Kiiv : Politehnika, 2003. lk. 400-402.
- Drechsler, W. "Praise of theory" – idea and task of the modern European University between national and international demands // Kaiserliche Universität Dorpat 200 : Academia Gustaviana 370 : Tartu Ülikooli juubel. Tartu : Tartu University Press, 2004. p. 132-142.
- Jakapi, R., Kasak, E. Makrokosmos. I // Mäetagused : hüperajakiri. **25** (2004) lk. 213-222.
- Jakapi, R., Kasak, E. Makrokosmos. II // Mäetagused : hüperajakiri. **26** (2004) lk. 211-220.
- Jakapi, R. Loomuseadusest John Locke'i ühiskonnakäsitluses // Eesti sotsiaalteaduste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik. Tallinn : TPÜ kirjastus, 2004. lk. 212-214.
- Johanson, T. Juhtimiskontrolli perspektiivid Eesti kohaliku omavalitsusüksuse juhtimismudelil // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 74-80.
- Johanson, T. Juhtimiskontrolli rakendamise perspektiivid Eesti kohaliku omavalitsusüksuse juhtimismudelil // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 19-21.
- Kaasik-Aaslav, Kaur, Kaasik-Aaslav, Kairi. Innovatsioonipoliitika kui asendus kehvale majanduspoliitikale // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 22-24.
- Kaevats, Ü. "Säästev Eesti 21" – teadmistepõhise Eesti tuumideestik // Riigikogu Toimetised. **9** (2004) lk. 40-46.
- Kaevats, Ü. Saaremaa *alma mater*'i esimestele lõpetajatele : kõne Kuressaare Kolledži esimese lennu lõpetamise puhul 21. juunil 2003 // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 154-156.
- Kaevats, Ü. Eessõna // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 5.

HUMANITAARTEADUSKOND

Kaevats, Ü. Eesti vajab uut arengumudelit // Eesti sotsiaalteaduste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik. Tallinn : TPÜ kirjastus, 2004. lk. 49-59.

Kaevats, Ü. Teadmistepõhisus – Eesti arenguvõime võti // "Eesti Euroopas : uued väljakutsed sotsiaalteadlastele" : Eesti sotsiaalteaduste V aastakonverents : 12.–13. novembril 2004 Tartus : annotatsioonikogumik. Tartu, 2004. lk. 27.

Kasak, E., Jakapi, R. Makrokosmos. III // Mäetagused : hüperajakiri. **27** (2004) lk. 175-185.

Kattel, R., Anton, R. The Estonian genome project and economic development // *Trames*. **8** (2004) 1/2, p. 106-128.

\* Kattel, R., Drechsler, W. Mensch und Gott bei Xenophanes // *Gott und Mensch im Dialog. Festschrift für Otto Kaiser zum 80. Geburtstag*. Berlin : de Gruyter, 2004. S. 111-129.

\* Kattel, R. Effects of genetic databases on governance // *Your genes in a National Bank? Ethical, legal and social concerns*. Cambridge : Cambridge University Press, 2004. 15 p.

Kattel, R. Erinnerung als konstitutives Element menschlichen Zusammenlebens in der griechischen Dichtung des 7. und frühen 6. Jahrhunderts // *Erinnerung : philosophische Positionen und Perspektiven*. München : Wilhelm Fink Verlag, c2004. S. 19-39.

Kattel, R. Governance of innovation policy : the case of Estonia // *Trames*. **8** (2004) 4, p. 397-418.

Kattel, R. Innovatsioonipoliitika valitsemine: Eesti näide // *Valitsemine ja hea valitsemine : konverentsi kogumik* : Tallinn, 25. mai 2004. Tallinn : Poliitikauuringute Keskus Praxis, 2004. lk. 53-70. Saadaval ka võrguteavikuna.

\* Kattel, R. Jonas, Hans: Erinnerungen // *Theologische Literaturzeitung* (2004) 12, 1327-1330.

Kattel, R. Sissejuhatus: Teadmistepõhine riik ja majandus // *Teadmistepõhine riik ja majandus : artiklikogumik*. [Tallinn] : Riigikantslei, [2004]. lk. 6-15.

\* Kattel, R. [Book review] : Connell, Philip. Romanticism, economics and the question of culture // *Human nature review* (2004) 4, p. 110-113.

Kattel, R. [Book review] : Turchin, Peter. Historical dynamics: why states rise and fall // *History : review of new books*. **32** (2004) 4, p. 168.

\* Kiili, J., Kiili, M. Innovation-related knowledge flow in the SME-based small country. Experience of Estonia // *IACEE 9<sup>th</sup> World Conference on Continuing Engineering Education: Strategy of Continuing Engineering Education for International Competence and Cooperation* : conference proceedings. Tokyo, 2004. p. 600-604.

\* Kiili, J., Rajasalu, T., Ennuste, Ü., Kukk, K., Püss, T., Rei, M., Venesaar, U., Viies, M. Understanding Estonian reforms to capitalist market. An economic

- narrative // Paper for Fifth Annual Global Development Conference Workshop : 25–26 January 2004, New Delhi, India. New Delhi, 2004.
- Kiili, J. Sissejuhatus haldussemiootikasse // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 7-13.
- Kivinurm, P. Valitsemise ja juhtimise vastastikseos kohalikus omavalitsuses // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 53-56.
- Laanemäe, A. Kutse-eeetika hälli juures // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 318-336.
- Ladva, E. Sotsiaalse toimetuleku probleemide lahendamisvõimalustest kohalikul tasandil (Haapsalu linna näitel) // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 247-269.
- Lainjärv, K. Riigi kogumispensioni teavituskampania efektiivsus Eesti elanikkonna arvamuse kujundamisel ja harimisel // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 270-304.
- Lill, H. Spordipidu : pühapäev, 14. september 2003, Spordihoone // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 27-28.
- Lõhmus, M. Ülesannete ja pädevuste jagamise põhimõtted ja kriteeriumid kohaliku omavalitsusüksuse sisemisel detsentraliseerimisel // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 57-67.
- Meos, I. Apooria // Horisont (2004) 3, lk. 53.
- Meos, I. Eksistentsiparadoks // Horisont (2004) 5, lk. 53.
- Meos, I. Ma tean, et ma midagi ei tea // Horisont (2004) 6, lk. 49.
- Meos, I. Mitte midagi pole olemas? // Horisont (2004) 2, lk. 53.
- Meos, I. Paradoks // Horisont (2004) 4, lk. 53.
- Meos, I. Sofism // Horisont (2004) 1, lk. 51.
- Meriste, M. Eestikeelsetest koolidest välismaal // 5. Välis-Eesti Kongress : 1. juuli 2004 Tallinnas : ettekannete kokkuvõtted. Tallinn : Välis-Eesti Ühing, 2004. lk. 50-55.
- Mäeltsemees, S., Olle, V. Estonia // Replies to the questionnaire on the advantages and disadvantages of directly elected local executives : Congress of Local and Regional Authorities of Europe Chamber of Local Authorities : Strasbourg, 16. September 2003, p. 27-35.
- Mäeltsemees, S. Eesti regionaalhaldus ja selle täiustamise suundi // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 331-339.
- Mägi, V. Aastad 1932–1960 : TTÜ kujunemine tehnikumist tehnikaülikooliks // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 67-76.

HUMANITAARTEADUSKOND

Mägi, V. Estonian National Power Committee and electrification of state // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 305-317.

Mägi, V. Raadioinsener ja raadioõppejõud Albrecht Põdrus // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 28-39.

\* Mägi, V. Technological thought and technological landscapes in Estonia // ICOHTECH 2004 : Designing Technological Landscapes : 17.–22.08. [S. l.] : Lehrstuhl Wirtschafts- und Technikgeschichte der RUB, 2004. p. 54-55.

Müüripeal, E. Rahvuskultuuriseltside pühapäevakoolide rollist Eestis // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 73-75.

Näpinen, L. Exact sciences and the problem of integral understanding of the social reality // Problemos : mokslo darbai = Problemos : research papers. **65** (2004) p. 32-41.

Näpinen, L. The need for historical understanding of nature in physics and chemistry [Electronic resource] // International Society for the Philosophy of Chemistry 8<sup>th</sup> Summer Symposium : 15<sup>th</sup>–18<sup>th</sup> August 2004 : abstracts of papers, [2004]. [1] p.

Näpinen, L. Understanding of the world and the scientific paradigm of selforganization // Proceedings of the 7<sup>th</sup> Summer Symposium of the International Society for the Philosophy of Chemistry : [Tartu, 16–20 August, 2003]. Tartu : Tartu Ülikooli kirjastus, 2004. lk. 156-177. (Studia philosophica ; 4 (40)).

\* Näpinen, L. Programma Il'ii Prigožina perestrojki tradicionnoj fiziki i vytekajuščie iz nee zaključenija dlja ponimaniya social'nyx problem // Singergetičeskaja paradigma. Kognitivno-kommunikativnye strategii sovremennogo naučnogo poznaniya. Moskva : Progress-Tradicija, 2004. lk. 24-25.

Parri, J. Kõrghariduse kvaliteedist ja selle probleemidest // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 76-78.

Põllumäe, S. Õdnes riik – nüüdisaegse riigi tunnustamine // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 23-30.

Rajangu, V. Forecasting a training need // Tvorčist' vrjatuè svit : materiali 7-ï Mižnarodnoi naukovo-praktičnoi konferencii : 22–23 travnja 2003 r. m. Kiiv. Kiiv : Politehnika, 2003. lk. 508-510.

Rajangu, V., Macerinskiene, I. Social capital in the theories of economic development // Paslaugų verslo plėtros problemos integravimosi į Europą procese = Problems of services industry development under the European integrating process : proceedings of the Scientific Conference dedicated to the 425<sup>th</sup> anniversary of Vilnius University and the 40<sup>th</sup> anniversary of the Department of Trade. Vilnius, 2004. p. 184-194.

Rajangu, V., Macerinskiene, I. Corporate social capital // Moderné pristupy k manažmentu podniku : 13.–14.máj 2004, Bratislava, Slovenská republika. Bratislava, 2004. p. 333-336.

- Rajangu, V. Eesti kõrgharidussüsteem ja TTÜ osa selles // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 71-77.
- Rajangu, V. Sunni-, veenmis- ja stimuleerimismeetod koolitussüsteemi kujundamisel // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 89-90.
- Rajangu, V. Tänu tegijatele! // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 106.
- Randmann, L. Töötähenduse ja psühhol[o]ogiliste lepete osa tööra hulolu kujunemises // "Eesti Euroopas : uued väljakutsed sotsiaalteadlastele" : Eesti sotsiaalteaduste V aastakonverents : 12.–13. novembril 2004 Tartus : annotatsioonikogumik. Tartu, 2004. lk. 33.
- Rei, M. Rahvusvaheliste ja regionaalsete institutsioonide tähendus Eestis ülemineku- protsessides ja reformides aastatel 1991–2002 // Halduskultuur 2003 : teaduskonve- rentsi ettekanded. Tallinn, 2004. lk. 234-246.
- Reinert, E.S., Kattel, R. The qualitative shift in European integration: towards permanent wage pressures and a "Latin-Americanization" of Europe? [Võrguteavik] // Praxis working papers. Tallinn : Poliitikauuringute Keskus Praxis, 2004. 17, 45 p. - URL [http://www.praxis.ee/data/WP\\_17\\_20042.pdf](http://www.praxis.ee/data/WP_17_20042.pdf). (Praxis working papers ; 17/2004).
- Saal, T. Intellektuaalne kapital – olemus ja struktuur // Halduskultuur 2003 : teadus- konverentsi ettekanded. Tallinn, 2004. lk. 92-119.
- Simon, V. Knowledge transfer system // Halduskultuur 2003 : teaduskonverentsi ettekanded. Tallinn, 2004. lk. 120-131.
- \* Teichmann, M., Murdvee, M., Saks, K. Spiritual needs and quality of life in Estonia // 1<sup>st</sup> International Conference of Psychological Society of Northern Greece (PSNG) "Quality of Life and Psychology" : 3–5 December 2004, Greece, 2004. p. 62.
- \* Teichmann, M., Spector, P.E., Cooper, C.L., Sparks, K. Managerial stress in Estonia // 28<sup>th</sup> International Congress of Psychology : Beijing, China, August 8–13, 2004 : abstracts. [CD-ROM].
- Teichmann, M. Eessõna // Burnout - läbipõlemine / Mart Jürisoo. Tartu : Fontes, [2004]. lk. 8.
- Tiits, M., Kattel, R., Kalvet, T. Teadmistepõhine Eesti 2010 : kontekst ja poliitika- soovitusid // Riigikogu Toimetised. **10** (2004) lk. 31-38.
- Tomusk, I. Euroliitumise mõju Eesti keelepoliitikale // Halduskultuur 2003 : teadus- konverentsi ettekanded. Tallinn, 2004. lk. 208-233.
- \* Umborg, V. Phraseologie der Fachsprachen // Europhras 2004 : Tagung der Europäischen Gesellschaft für Phraseologie. Basel, 2004. S. 106.
- Umborg, V. Võõrkeel ja Eesti ettevõtte // Haridus (2004) 6/7, lk. 36-37.
- \* Umborg, V. Übersetzer- und Dolmetscherausbildung in Estland // Abstracts BA/MA Studiengänge im internationalen Vergleich. Mainz, 2004. S. 35.

## INFOTEHNOLOOGIA TEADUSKOND

### *Raamatud*

Arro, I., Gavrijaševa, A. Pidevsignaamide töötlemine. [Tallinn] : TTÜ kirjastus, c2004. 235 lk.

Henno, J. Prolog ja Olümpose jumalad. Tallinn : TTÜ kirjastus, c2004. 158 lk.

Jutman, A. Selected issues of modeling, verification and testing of digital systems. Tallinn : TUT Press, 2004. 95, [1] p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 17).

Kangilaski, T. Eesti Energia käiduhaldussüsteem. Tallinn : TTÜ kirjastus, c2004. 242 lk. (Tallinna Tehnikaülikooli väitekirjad. C, Informaatika ja süsteemitehnika ; 16).

Korolkov, O. Formation of Diffusion welded Al contacts to semiconductor silicon carbide. Tallinn : TUT Press, 2004. 91 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 19).

Luczkowski, T. (koost.). Lennundusaasta 2003. [Tallinn] : Aeropress, c2004. 28 lk., [8] lk.

Luczkowski, T. Baasteadmised programmeerimiskeelest C++. [Tallinn] : TTÜ kirjastus, c2004. 105 lk.

Meister, A., Raja, A. (toim.). Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. 158 lk.

Taveter, K. A multi-perspective methodology for agent-oriented business modelling and simulation. Tallinn : TUT Press, c2004. 249 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 15).

Tenno, A. Simulation and estimation of electrochemical processes in maintenance-free batteries with fixed electrolyte. Tallinn : TUT Press, 2004. 117 p. (Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering ; 18).

Toomsalu, A. Arvutipõlvkonnad. [Tallinn] : TTÜ kirjastus, 2004. 75 lk.

Uustalu, T., Saabas, A. (eds.). 2<sup>nd</sup> APPSEM II Workshop : APPSEM 2004 : Tallinn, Estonia, 14–16 April 2004 : proceedings. Tallinn, 2004. 228 p.

### *Artiklid*

Aarna, M., Ubar, R., Raik, J. Deductive fault simulation on structurally synthesized BDDs // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 11.



- Aasma, A. Heuristic algorithms for weighted graph partitioning // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 9.
- Altenkirch, T., Uustalu, T. Normalization by evaluation for  $\lambda^2$  // Functional and Logic Programming : 7<sup>th</sup> International Symposium, FLOPS 2004 : Nara, Japan, April 7–9, 2004 : proceedings. Berlin : Springer, c2004. p. [260]-275.
- Alumäe, T., Kirt, T. Inimkõne on arvutile võõrkeel // Horisont (2004) 4, lk. 42-44.
- Alumäe, T. Eksperimendid eesti keele tuvastussüsteemi loomisel // Toimiv keel. II, Töid rakenduslingvistika alalt. Tallinn : TPÜ kirjastus, 2004. lk. 23-36. (Tallinna Pedagoogikauilikooli eesti filoloogia osakonna toimetised ; 3).
- Alumäe, T. Large vocabulary continuous speech recognition for Estonian using morphemes and classes // Text, Speech and Dialogue : 7<sup>th</sup> International Conference, TSD 2004 : Brno, Czech Republic, September 8–11, 2004 : proceedings. Berlin : Springer, 2004. p. 245-252. (Lecture notes in artificial intelligence ; 3206).
- \* Anton, M., Punning, A., Aabloo, A., Listak, M., Kruusmaa, M. Towards a biomimetic EAP robot // Proceedings of TAROS 2004 : Towards Autonomous Systems. Essex, 2004.
- \* Astrov, I., Pedai, A., Rüstern, E. Simulation of two-rate adaptive neural network and fuzzy logic hybrid control for stochastic model of an experimental aircraft // Proc. Canadian Conference on Electrical and Computer Engineering : CCECE 2004 : Niagara Falls, Ontario, Canada. Vol. 1, p. 125-128.
- \* Astrov, I., Pedai, A., Rüstern, E. Simulation of two-rate adaptive hybrid control with neural and neuro-fuzzy networks for stochastic model of missile autopilot // Proc. 5<sup>th</sup> World Congress on Intelligent Control and Automation : WCICA 2004 : Hangzhou, China, p. 2603-2607.
- \* Astrov, I., Pedai, A., Rüstern, E. Simulation of three-rate neural and neuro-fuzzy hybrid control for the multidimensional stochastic model of a fighter aircraft // Proc. 8<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics : SCI 2004 : Orlando, Florida, USA. Vol. 8, p. 351-356.
- \* Astrov, I., Pedai, A., Rüstern, E. Simulation of two-rate adaptive hybrid control with neural and neuro-fuzzy networks for stochastic model of an experimental aircraft // Proc. International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2004) [and] 10<sup>th</sup> International Conference on Information System Analysis and Synthesis (ISAS 2004) : Orlando, Florida, USA. Vol. 2, p. 295-300.
- \* Astrova, I., Stantic, B. Extracting ontologies for the semantic web from HTML forms // Proceedings of the Workshop on Enterprise Modelling and Ontology : Ingredients for Interoperability : 5<sup>th</sup> International Conference on Practical Aspects of Knowledge Management (PAKM). Vienna, 2004. p. 60-67.
- \* Astrova, I., Stantic, B. Reverse engineering of relational databases to ontologies : an approach based on an analysis of HTML forms // Proceedings of the Workshop W6

on Knowledge Discovery and Ontologies (KDO) [and] 15<sup>th</sup> European Conference on Machine Learning (ECML) [and] 8<sup>th</sup> European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD) : Pisa, Italy, 2004, p. 73-78.

\* Astrova, I. Extracting ontologies from relational databases // Proceedings of the 22<sup>nd</sup> IASTED International Conference on Databases and Applications (DBA). Innsbruck, 2004. p. 56-61.

Astrova, I. Reverse engineering of relational databases to ontologies // The Semantic Web : Research and Applications : First European Semantic Web Symposium, ESWS 2004 : Heraklion, Crete, Greece, May 10–12, 2004 : proceedings. Berlin : Springer, c2004. p. [327]-341.

\* Astrova, I. Reverse engineering of relational databases to object databases // Scientific papers University of Latvia. Series - Computer science and information. **672** (2004) p. 385-400.

Boiko, U. Sorting of bite vectors with help of self-organizing maps algorithm // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 10.

Brik, M., Raik, J., Ubar, R.-J., Ivask, E. On using genetic algorithm for test generation // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 233-236.

\* Brik, M., Raik, J., Ubar, R.-J., Ivask, E. GA-based test generation for sequential circuits // 2<sup>nd</sup> East-West Design & Test Workshop : EWDTW-2004 : Alushta, Ukraine, 2004, p. 30-34.

Buldas, A., Freudenthal, M. Long term archiving of electronic signatures // Baltic IT&T review (2004) 1, p. 69-74.

Buldas, A., Saarepera, M. On provably secure time-stamping schemes // Advances in cryptology - ASIACRYPT 2004 : 10<sup>th</sup> International Conference on the Theory and Application of Cryptology and Information Security : Jeju Island, Korea, December 5–9, 2004 : proceedings. [S. l.] : Springer, c2004. p. 500-514. (Lecture notes in computer science ; 3329).

Derkaš, J. Multibeam sonar and sounding signals // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 265-268.

Eessaar, E. Methods for searching patterns from the database of patterns // CAiSE'04 Forum proceedings : the 16<sup>th</sup> Conference on Advanced Information Systems Engineering : Riga, Latvia, 7–11 June, 2004. Riga : Faculty of Computer Science and Information Technology, 2004. p. 103-111.

\* Eessaar, E. Towards pattern management system // ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14–17, 2004. Volume 3. [S.l., 2004]. p. 655-658.

Ellervee, P., Raik, J., Tihhomirov, V., Tammemäe, K. Evaluating fault emulation on FPGA // Field-Programmable Logic and Applications : 14<sup>th</sup> International Conference, FPL 2004 : Antwerp, Belgium, August 30–September 1, 2004 : proceedings. Berlin : Springer, c2004. p. 354-363. (Lecture notes in computer science ; 3203).

Ellervee, P., Raik, J., Tihhomirov, V. Environment for fault simulation acceleration on FPGA // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 217-220.

\* Ellervee, P., Raik, J., Tihhomirov, V., Ubar, R.-J. FPGA based fault emulation of synchronous sequential circuits // Proceedings of 22<sup>nd</sup> IEEE Conference NORCHIP'2004 : Oslo, Norway. Oslo, 2004. p. 59-62.

Ellervee, P. IEEE Norchip 2003. a. konverents // A & A (2004) 1, lk. 48-49.

Ernits, J. Application of model checking in memory arbiter synthesis // Ninth Estonian Winter School in Computer Science (EWSCS'04) : Lahemaa, Estonia, February 29–March 5, 2004. [S.l., 2004]. [1 p.]. (Student talks and posters 2004 (abstracts)).

\* Fomina, J., Ellervee, P., Kruus, M., Sudnitsõn, A., Tammemäe, K. Digital synthesis tools for education and research // Proc. 18<sup>th</sup> International Conference on Systems for Automation of Engineering and Research (SAER'2004). Varna, 2004. p. 160-164.

Fomina, J., Sudnitsõn, A., Vasiliev, R. Optimization of FSMs network by new encoding strategy // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 119-122.

Fomina, J., Sudnitsõn, A., Vasiliev, R. FSM's network encoding guided by information relationship measure // Boolean Problems : 6<sup>th</sup> International Workshop : September 23–24, 2004, Freiberg. Freiberg, 2004. p. 55-62.

\* Fomina, J., Sudnitsõn, A. Information relationships for decomposition of finite state machine // Proc. IEEE East-West Design & Test Workshop : EWDTW-2004 : Crimea, Ukraine, 2004, p. 41-47.

Gavrijaševa, A. Sidescan sonar with high resolution // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 269-272.

Ghani, N., Uustalu, T., Vene, V. Build, augment and destroy, universally // Programming Languages and Systems : Second Asian Symposium : APLAS 2004 : Taipei, Taiwan, November 4–6, 2004 : proceedings. Berlin : Springer, 2004. p. 327-347. (Lecture notes in computer science ; 3302).

\* Gordon, R., Kuusik, A. Computer modelling of intracardiac electrical bioimpedance // Proceedings of the 31. International Congress on Electrocardiology : June 27–July 1, 2004, Kyoto, Japan. Kyoto, 2004. [4] p.

Gordon, R. Heart bioimpedance 3D FDM modelling with anisotropic tissue properties // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October

3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 175-178.

\* Gordon, R. Organ bio-impedance modelling with 3D mesh of equivalent circuits // Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEBI/EIT 2004 : June 20–24, 2004, Gdansk, Poland. Vol. 2. Gdansk, 2004. p. 715-718.

\* Hahanov, V., Ubar, R.-J. 2<sup>nd</sup> IEEE East West Design & Test Workshop // IEEE journal of design & test of computers (2004) p. 594.

Heinrichsen, V., Raja, A. Kutsenõuded telekommunikatsiooni- ja elektroonika-inseneridele // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 20-27.

\* Henno, J. Emergence of lexicon and names // Proceedings of the 14<sup>th</sup> European-Japanese Conference on Information Modelling and Knowledge Bases : June 1–4, 2004, Skövde, Sweden. Skövde : University of Skövde, 2004. p. 264-278.

Henno, J. Ühise sõnavara ja nimede tekkimine // Toimiv keel. II, Tõid rakenduslingvistika alalt. Tallinn : TPÜ kirjastus, 2004. lk. 123-137. (Tallinna Pedagoogika-ülikooli eesti filoloogia osakonna toimetised ; 3).

Ivask, E., Ellervee, P. VHDL front-end for high-level synthesis tool xTractor // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 111-114.

Ivask, E., Jutman, A., Orasson, E., Raik, J., Ubar, R.-J., Wuttke, H.-D. Research environment for teaching digital test // Synergies between Information and Automation : 49. Internationales Wissenschaftliches Kolloquium, 27.–30.9.2004, Technische Universität Ilmenau, Germany. Volume 2. Aachen : Shaker Verlag, 2004. p. 468-473.

Ivask, E., Raik, J., Ubar, R.-J., Schneider, A. Web-based environment for digital electronics test tools // Virtual Enterprises and collaborative networks : IFIP 18<sup>th</sup> World Computer Congress [and] TC5/WG5.5 - 5<sup>th</sup> Working Conference on Virtual Enterprises : 22–27 August 2004, Toulouse, France. Boston : Kluwer Academic Publishers, c2004. p. 435-442.

\* Jervan, G., Peng, Z., Ubar, R.-J., Korelina, O. An improved estimation methodology for hybrid BIST cost calculation // Proceedings of 22<sup>nd</sup> IEEE Conference NORCHIP'2004 : Oslo, Norway. Oslo, 2004.

\* Jutman, A., Gramatova, E., Pikula, T., Ubar, R.-J. E-learning tools for teaching self-test of digital electronics // 15 EAEEIE International Conference on Innovation in Education for Electrical and Information Engineering : Sofia, Bulgaria. 2004, 2004. p. 267-272.

Jutman, A., Peder, A., Raik, J., Tombak, M., Ubar, R.-J. Structurally synthesized binary decision diagrams // Boolean Problems : 6<sup>th</sup> International Workshop : September 23–24, 2004, Freiberg. Freiberg, 2004. p. 271-278.

- Jutman, A., Sudnitsõn, A., Ubar, R.-J., Wuttke, H.-D. Asynchronous e-learning resources for hardware design issues // Proceedings of the International Conference on Computer Systems and Technologies (e-learning) : CompSysTech'04 : Rouse, Bulgaria, 17–18 June. [S. l.], c2004. p. IV.11-1 - IV.11-6.
- Jutman, A., Sudnitsõn, A., Ubar, R.-J., Wuttke, H.-D. E-learning environment in the area of digital microelectronics // ITHET 2004 : proceedings of the Fifth International Conference on Information Technology based Higher Education and Training : 31 May–2 June, 2004, Istanbul, Turkey. [S. l.], c2004. p. 278-283.
- \* Jutman, A., Ubar, R.-J., Wuttke, H.-D. Overview of e-learning environment for web-based study of testing and diagnostics of digital systems // Microelectronics education. Dordrecht : Kluwer Academic Publishers, 2004. p. 253-258.
- \* Jutman, A., Ubar, R.-J., Wuttke, H.-D. Overview of e-learning environment for web-based study of testing and diagnostics of digital systems // 5<sup>th</sup> European Workshop on Microelectronics Education - EWME 2004, Lausanne, 2004, p. 173-176.
- Jutman, A. At-speed on-chip diagnosis of board-level interconnect faults // Ninth IEEE European Test Symposium : ETS 2004 : 23–26 May 2004, Corsica, France : proceedings. Los Alamitos : IEEE, c2004. p. 2-7. Saadaval ka CD-ROMil.
- Jutman, A. Efficient TPG for a fast at-speed interconnect BIST [Electronic resource] // DDECS : proceedings of IEEE Design and Diagnostics of Electronic Circuits and Systems Workshop : Stara Lesna, Slovakia, April 18–21, 2004, p. 223-226. [CD-ROM].
- Jutman, A. Shift register based TPG for at-speed interconnect BIST // MIEL 2004 : 24<sup>th</sup> International Conference on Microelectronics : Niš, Serbia and Montenegro, 16–19 May 2004 : proceedings. Volume 2 . [S. l.], c2004. p. 751-754.
- \* Jääger, K., Vain, J. Pattern based analysis of fractal manufacturing systems [Electronic resource] // International Federation of Automatic Control : 11<sup>th</sup> IFAC Symposium on Information Control Problems in Manufacturing : Salvador, Brasil, April 5–7<sup>th</sup>, 2004. [CD-ROM].
- \* Jääger, K., Vain, J. Pattern-based modeling and planning of machining systems // Machine engineering. **4** (2004) 1/2, p. 97-106.
- Jürgenson, R. Informaatikute koolitamisest Tallinna Tehnikaülikoolis // Aastaraamat 2000 / Eesti Matemaatika Selts. Tartu, 2004. lk. 55-59.
- Kalja, A. Ahto Kalja sõnavõtt : [I.Õpiku ja B.Tamme büstide avamisel akadeemikute alleel 17. sept. 2003] // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 51.
- Kalja, A., Kindel, K., Kivi, R. The service-oriented environment of government databases and information systems in Estonia // Baltic IT&T review (2004) 3, p. 7-11.
- \* Kalja, A., Tiidemann, T. TRIZ and artificial intelligent software in the conceptual design // The Sixth Annual Conference of the Altshuller Institute for TRIZ Studies : TRIZCON2004 : Seattle, Washington, April 25–27, 2004, p. 29-1 - 29-7.

Kalja, A. Professor Ahto Kalja kõne rektor Boris Tamme rinnakuju avamisel // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 55-56.

Kalja, A. X-road data traffic open for the second year // Information technology in public administration of Estonia : yearbook 2003. Tallinn, 2004. p. 32-37.

Kangilaski, T., Jaanimägi, V. Correction of the short-term forecast of high-voltage power consumption // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 1, p. 53-62.

\* Kangilaski, T. Virtual organisation for power network management // Proc. 2<sup>nd</sup> IEEE International Conference on Industrial Informatics (INDIN'04) : Berlin, 2004, p. 169-174.

\* Kimlaychuk, V. Creating intelligent agents in JADE : (an example of ant colony simulation) // Proc. International Conference on Education and Information Systems : Technologies and Applications : Orlando, USA, 2004. Vol. 1, p. 55-60.

\* Kindel, K. Availability of database services in Estonia : how X-road is progressing // Databases and Information Systems : Doctoral Consortium : Sixth International Baltic Conference on Databases and Information Systems : Riga, Latvia, 2004. p. 244-250. (Scientific papers of University of Latvia ; 673).

Kindel, K. Development and use of the eCitizen project // Information technology in public administration of Estonia : yearbook 2003. Tallinn, 2004. p. 37-42.

\* Kink, A., Min, M., Parve, T., Rätsep, I. Bioimpedance based analysis of tissue oedema // Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEBI/EIT 2004 : June 20–24, 2004, Gdansk, Poland. Vol. 1. Gdansk, 2004. p. 29-32.

Kirt, T., Listak, M. Masinad nägijaks // Horisont (2004) 3, lk. 40-43.

Kirt, T., Sokolov, D. Pangajärelvalve ja e-panganduse areng // A & A (2004) 4/5, lk. 32-37.

\* Kirt, T., Vainik, E. The self-organizing maps of Estonian terms of emotion // Proceedings of the 13<sup>th</sup> Turkish Symposium on Artificial Intelligence and Neural Networks : 10–11 June 2004, Foca, Izmir, p. 61-67.

Klopov, M., Kuusk, A., Velmre, E., Udal, A. Ab initio study of GaN properties using VASP software package // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 55-58.

Koort, M. Raadiosagedusliku võimsusdetektori disain // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 57-67.

Korolkov, O., Ljutov, J., Kuznetsova, N., Ruut, J., Rang, T. Analysis of the basic Schottky parameters for diffusion-welded aluminium contacts to p- and n-type SiC // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 51-53.

- \* Korolkov, O., Ruut, J., Kuznetsova, N., Rang, T. The basic parameters of diffusion welded Al Schottky contacts to p- and n-SiC // *Silicon Carbide and Related Materials 2003*. [S.l.] : TransTech Publications, 2004. p. 857-860.
- Kravets, V., Kattel, A. Võimsuse juhtimise parameetrid GSM-võrgus // *Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid*. [Tallinn] : TTÜ kirjastus, c2004. lk. 109-113.
- \* Kruus, H., Orasson, E., Robal, T., Ubar, R.-J. Investigating defects in digital circuits by Boolean differential equations // *The 4<sup>th</sup> International Conference "Distance Learning – Educational Sphere of XXI Century" (DLESC'04)*. Minsk, 2004. p. 432-435.
- Kruus, M., Lensen, H., Sudnitsõn, A. Digital design at microarch[itectural] level based on quality relationship measures // *Uspehi sovremennogo estestvoznaniya (2004) 5, priloženie 1*, lk. 29-30.
- \* Kukk, V. Analysis of experience : fully web based introductory course in electrical engineering // *Proc. 1<sup>st</sup> International Workshop on e-learning and Virtual and Remote Laboratories : Setubal, Portugal, 2004*, p. 111-118.
- Kukk, V. E-mõtted pärast e-konverentsi // *A & A (2004) 2*, lk. 65-71.
- Kukk, V. Mis meil asja integraaltehnoloogiaga? // *Tallinna Tehnikaülikooli aastaraamat 2003*. Tallinn : TTÜ kirjastus, c2004. lk. 14-17.
- \* Kukk, V. Web based introductory course in electrical engineering [Electronic resource] // *International Conference on Advances in the Internet, Processing, Systems, and Interdisciplinary Research : Pescara, Italy, 2004*, [6] p. [CD-ROM].
- Kulmar, L. Integreeritud õhukaitse- ja õhutorjesüsteemid // *Tallinna Tehnikaülikooli aastaraamat 2003*. Tallinn : TTÜ kirjastus, c2004. lk. 278-283.
- Kulmar, L. Õhutorjesüsteemi mudel // *Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid*. [Tallinn] : TTÜ kirjastus, c2004. lk. 40-52.
- Kulmar, M. Teenuse kvaliteet WLAN-võrkudes // *Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid*. [Tallinn] : TTÜ kirjastus, c2004. lk. 138-150.
- \* Kumlander, D. A new exact algorithm for the maximum-weight clique problem based on a heuristic vertex-coloring and a backtrack search // *Modelling, Computation and Optimization in Information Systems and Management Sciences : Metz, France. Metz : Hermes Science Publishing, 2004*. p. 202-208.
- \* Kumlander, D. A new exact algorithm for the maximum-weight clique problem based on a heuristic vertex-coloring and a backtrack search // *Proceedings of the Forth International Conference on Engineering Computational Technology*. Lisbon : Civil-Comp Press, 2004. p. 137.
- \* Kuusik, A., Land, R., Min, M., Parve, T., Poola, G. Measurement of intracardiac bioimpedance in rate adaptive pacemakers // *Proceedings of the 31. International Congress on Electrocardiology : June 27–July 1, 2004, Kyoto, Japan. Kyoto, 2004*. [4] p.

Kuusik, A. SoC based mobile robot telecontrol system // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 153-154.

Kuusik, R., Lind, G., Vöhandu, L. Data mining: pattern mining as a clique extracting task // ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14–17, 2004. Volume 2. [S. l., 2004]. p. 519-522.

Kuusik, R., Lind, G., Vöhandu, L. Pattern mining as a clique extracting task // IPMU 2004 : July 5–9, 2004, Perugia, Italy, p. 19-20.

\* Kuusik, R., Lind, G., Vöhandu, L. Frequent pattern mining as a clique extracting task // SCI 2004 : the 8<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics : July 18–21, 2004, Orlando, Florida, USA. Volume 4. [S. l., 2004]. p. 425-428.

Kuusik, R., Lind, G. New frequency pattern algorithm for data mining // The 13<sup>th</sup> Turkish Symposium on Artificial Intelligence & Artificial Neural Networks : 10–11 June 2004, Izmir, Turkey, p. 47-54.

Kuusik, R. Tallinna Tehnikaülikooli informaatikainstituudist // A & A (2004) 1, lk. 5-8.

Leis, P., Hanschmidt, A. Intervjuu Eesti Ühispanga presidendi Ain Hanschmidtiga // A & A (2004) 4/5, lk. 13-14.

Leis, P., Minka, R. Intervjuu Eesti Panga asepresidendi Rein Minkaga // A & A (2004) 4/5, lk. 6-8.

Leis, P., Neivelt, I. Intervjuu Hansapanga presidendi Indrek Neiveltiga // A & A (2004) 4/5, lk. 9-12.

Leis, P. A & A 2004. aasta plaanidest // A & A (2004) 1, lk. 3-4.

Leis, P. Eesti pangandus-infotehnoloogia erinumbrist // A & A (2004) 4/5, lk. 3-5.

Leis, P. Gartner IT tulevikust // A & A (2004) 6, lk. 3-4.

Leis, P. Infosüsteemide auditeerimisest // A & A (2004) 3, lk. 3.

Leis, P. Model Driven Architecture // A & A (2004) 1, lk. 13-20.

\* Lepmets, M. Combined project and risk management practices of ISO/IEC 15504 and CMMI – preparatory phase of practical research on corresponding model and industry practices // Proceedings of the 4<sup>th</sup> International SPICE Conference on Process Assessment and Improvement : Portugal, 2004, p. 64-68.

Lints, T. ACE - raamprogramm hajussüsteemide valmistamiseks // A & A (2004) 6, lk. 14-25.

\* Listak, M., Kruusmaa, M. Buoyancy control of a semiautonomous underwater vehicle for environmental monitoring in Baltic Sea // Proc. of the Int. IEEE Conf. Mechatronics and Robotics 2004 : MechRob'04 : Aachen, Germany, 2004. Vol. 2. Aachen, 2004. p. 252-257.



\* Listak, M., Martin, G., Kruusmaa, M. Light control method for automatic benthic algae recognition // The XVIIIth International Seaweed Symposium : Bergen, Norway, 2004.

Lossmann, E. E-sporaadiline raadiolevi // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 114-117.

Luczkowski, T. Kopteriudiseid // Tehnikamaailm (2004) 12, lk. 80-82.

Luczkowski, T. Kosmoselennuk number üks // Tehnikamaailm (2004) 10, lk. 82-84, 87.

Luczkowski, T. Lennukite ülevaatus // Tehnikamaailm (2004) 9, lk. 66-68.

Luczkowski, T. Pistrike pilgu all // Tehnikamaailm (2004) 6, lk. 72-74.

\* Madar, U., Sinjuk, A., Lossmann, E. Reliability analysis and simulation of some concatenated coding channels // Proc. 8<sup>th</sup> International Conference ELECTRONICS 2004 : Kaunas. Kaunas : KTU, 2004.

Madar, U., Sinjuk, A., Lossmann, E. Analiz pomehoustojčivosti mnogourovnevnyh kaskadnyh kodov v srede MATLAB // Elektronika ir elektrotehnika = Electronics and electrical engineering (2004) p. 71-74.

Mazurova, N., Smahtina, J., Ubar, R.-J. Hybrid functional BIST for digital systems // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 205-208.

Meister, A., Martverk, P., Lossmann, E. Sensitivity of non-coherent frequency shift keying to harmonic interference // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 279-282.

Meister, A. FSK tundlikkus harmoonilisele häirele // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 104-108.

Mellik, A. A compact DSP performance testing system for the Academia // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3-6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 3-4.

\* Mellik, A. DSP performance testing // Conf.proc. Virtuelle Instrumente in der Praxis. Bonn, 2004. p. 220-224.

\* Min, M., Kink, A., Land, R., Parve, T., Rätsep, I. Modification of pulse wave signals in electrical bioimpedance analyzer for implantable medical devices // Proceedings of the 26. Annual International Conference of the IEEE EMBS : September 1-5, 2004, San Francisco, California, USA. San Francisco, 2004. p. 2263-2266.

\* Min, M., Land, R., Märtnens, O., Parve, T., Ronk, A. A sampling multichannel bioimpedance analyzer for tissue monitoring // Proc. of the 26. Annual International

Conference of the IEEE EMBS : September 1–5, 2004, San Francisco, California, USA. San Francisco, 2004. p. 902-905.

\* Min, M., Paavle, T. PLL-based measurement of bioimpedance using undersampling // Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEBI/EIT 2004 : June 20–24, 2004, Gdansk, Poland. Vol. 2. Gdansk, 2004. p. 347-350.

Min, M. Eluskudede elektriline bioimpedants : kongressist kongressini ja laiemaltki // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 297-301.

Min, M. Guest editorial // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 155-156.

\* Miyashita, O., Tsukamoto, S., Kuusik, A., Miyata, D., Yoshida, T., Vain, J., Ishigami, S. A human-adaptive-mechatronics assisted system for training constructional ability // 8<sup>th</sup> International Conference on Mechatronics Technology : ICMT2004 : Hanoi, Vietnam, November 8–12, 2004.

\* Mõtus, L., Meriste, M., Kelder, K., Helekivi, J. Agent-based templates for implementing proactive real-time systems // Proc. International Conference on Computing, Communications, and Control Technologies : Texas, USA, 2004. Vol. 1, p. 199-204.

Mõtus, L., Serg, R. Tarkvaramahukate süsteemide integreerimise teooria ja tehnoloogia arengust // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 79-84.

\* Märtens, O., Min, M. Multi-frequency bioimpedance measurement : undersampling approach // Proceedings of the 6<sup>th</sup> Nordic Signal Processing Symposium : NorSig 2004 : June 9–11, 2004, Espoo, Finland. Espoo, 2004. p. 145-148.

Müürsepp, I. Complex amplitude-phase manipulated probe signals // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 287-290.

\* Nurges, Ü., Rüstern, E. New stability conditions for discrete-time systems // Proc. 6<sup>th</sup> Asia-Pacific Conference on Control and Measurement : Chenghu, China, 2004, p. 167-173.

Orasson, E. Graphical user interface for Turbo Tester toolset // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 12.

Paavle, T., Min, M. Modeling of the PLL-based bioimpedance measurement system // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 183-186.

Paavle, T. Theoretical development and computer simulation of a bioimpedance measurement system // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 198-208.

Parve, T., Land, R., Min, M., Poola, G. Improvement of switching lock-in signal conversion in bioimpedance analysers // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 179-182.

Parve, T., Land, R. Improvement of lock-in signal processing for applications in measurement of electrical bioimpedance // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 185-197.

\* Penjam, J., Sanko, J. Deductive and inductive methods for program synthesis // J. of Comput. and Inform. Sci. **5** (2004) 3, p. 171-181.

Petlenkov, E., Rüstern, E. Experiments in neural network inverse modelling based control for a class of nonlinear systems // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 145-148.

\* Pobloth, H., Vafin, R., Kleijn, W.B. Multi-variate block polar quantization and applications to audio // Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4. Montreal, 2004. p. 197-200.

\* Raabe, A. Feature matching in model-based software engineering // ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14–17, 2004. [S.l., 2004]. p. 163-172.

\* Raik, J., Ellervee, P., Tihhomirov, V., Ubar, R.-J. Fast fault emulation for synchronous sequential circuits // The 2<sup>nd</sup> East-West Design & Test Workshop : EWDTW-2004 : Alushta, Ukraine, 2004, p. 35-40.

\* Raik, J., Govind, V., Ubar, R.-J. RT-level test point insertion for sequential circuits // Proceedings of the 1<sup>st</sup> International Workshop on Testability - IwoTA : Rennes, France, 2004, p. 34-40.

Raik, J., Krivenko, A., Ubar, R.-J. Comparative analysis of sequential circuit test generation approaches // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 225-228.

\* Raik, J., Nõmmeots, T., Ubar, R.-J. A new testability calculation method to guide RTL test generation // Journal of electronic testing : theory and applications – JETTA (2004) p. 73-84.

Raik, J., Orasson, E., Ubar, R.-J. Sequential circuits BIST with status bit control // Proceedings of the 11<sup>th</sup> International Conference : Mixed Design of Integrated Circuits and Systems : MIXDES 2004 : Szczecin, Poland, 24–26 June 2004. [S.l.], c2004. p. 507-510.

Raik, J., Ubar, R.-J. Enhancing hierarchical ATPG with a functional fault model for multiplexers [Electronic resource] // DDECS : proceedings of IEEE Design and Diagnostics of Electronic Circuits and Systems Workshop : Stara Lesna, Slovakia, April 18–21, 2004, p. 219-222. [CD-ROM].

\* Raik, J., Ubar, R.-J. Targeting conditional operations in sequential test pattern generation // Formal proc. of 9<sup>th</sup> European Test Symposium : ETS'04 : Corsica, France, 2004, p. 17-18.

\* Raja, A., Lossmann, E., Sementsov, Y. Performance modelling of DVB-T systems with MatLab/Simulink // Proc.8<sup>th</sup> International Conference ELECTRONICS 2004 : Kaunas. Kaunas : KTU, 2004.

\* Raja, A. Generalized physical models for wireless channel and their modern affords // Proc.8<sup>th</sup> International Conference ELECTRONICS 2004 : Kaunas. Kaunas : KTU, 2004.

Raja, A. Probability density function for phase and error probability for phase shift keying (PSK) systems // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. p. 118-137.

Raja, A. Rahvusvahelise telekommunikatsioonipäeva konverentside kümme aastat // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 151-158.

Rang, T., Korolkov, O., Ljutov, J. Interpretation of some physical parameters of SiC Schottky interfaces manufactured by diffusion welding technology // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 179-184.

\* Rang, T., Higelin, G., Kurel, R. Numerical study of current crowding phenomenon in complementary 4H-SiC JBS rectifiers // Silicon Carbide and Related Materials 2003. [S.l.] : TransTech Publications, 2004. p. 1045-1048.

Rang, T., Kurel, R., Higelin, G. Numerical study of turn-off phenomenon in complementary 4H-SiC JBS rectifiers // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 47-50.

Rang, T., Kurel, R. Comparison of the dynamic behaviour of complementary 6H- and 4H-SiC Schottky structures using numerical simulation // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 173-178.

Rang, T., Rang, G. Development of e-learning course: myths and reality // Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19–24, 2004. Kuressaare, 2004. p. 9-11.

\* Rang, T., Voitovitš, V., Kuznetsova, N. High voltage GaAs diode stacks : the choice of epistructures for assembling // Design, Test, Integration and Packaging of MEMS/MOEMS - DTIP2004 : 12–14 May 2004, Montreux, Switzerland, p. 199-202.

Rang, T. Elektroonika – mis see on? // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 7-9.

Rang, T. Väikesed interpretatsioonid pärastlõunaks // A & A (2004) 3, lk. 4-6.

Riid, A., Isotamm, R., Rüstern, E. Generic membership function and its application to fuzzy modeling // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 129-132.

- \* Riid, A., Pahhomov, A., Rüstern, E. Car navigation and collision avoidance system with fuzzy logic // Proc. IEEE International Conference on Fuzzy Systems : Budapest, Hungary, 2004. Vol. 3, p. 1443-1448.
- \* Riid, A., Rüstern, E. Neuro-fuzzy extraction of interpretable fuzzy rules from data // Proc. IEEE International Conference on Systems, Man and Cybernetics.
- \* Riid, A., Rüstern, E. Takagi-Sugeno systems with improved interpretability and interpolation using a complementary interpolation model // Proc. IEEE 4<sup>th</sup> International Conference on Intelligent System Design and Applications : Budapest, Hungary, 2004. Vol. 1, p. 259-264.
- \* Robal, T., Kalja, A. e-EDU – an information system for e-learning services // Proceedings of the Sixth International Baltic Conference : BalticDB&IS 2004 : Riga, June 3–6, 2004. Vol. 2. Riga, 2004. p. 143-154.
- \* Robal, T., Kruus, H. e-Bibliotheca – a virtual library service // Proceedings of the Thirteenth International Conference on Information Systems Development : Advances in Theory, Practice and Education : Vilnius, Lithuania. Vilnius : Technika, 2004. p. 139-148.
- Robal, T. Moving studies to e-environments – the approach of e-EDU // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 7.
- Ronk, A., Min, M. One bio-medical multisine measurement task: solution principles // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 199-200.
- Ronk, A., Voolaine, Ü. Transients in adaptive Fourier analysers // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 209-226.
- Roosileht, I. Creating graphs for optimization tasks // BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3–6, 2004, Tallinn, Estonia. [Tallinn, 2004]. p. 8.
- Roost, M., Kuusik, R., Rava, K., Veskioja, T. A model-driven architecture of enterprise information system as the space for Information Systems Development // CAiSE'04 Forum proceedings : the 16<sup>th</sup> Conference on Advanced Information Systems Engineering : Riga, Latvia, 7–11 June, 2004. Riga : Faculty of Computer Science and Information Technology, 2004. p. 194.
- Roost, M. A model of self-development of information systems // SCI 2004 : the 8<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics : July 18–21, 2004, Orlando, Florida, USA. Vol. 1, Information Systems, Technologies and Applications : proceedings. [S. l., 2004]. p. 126-131.
- Ruuben, T. Mobiilsed sisuteenused ja GSM-tehnoloogiad // A & A (2004) 1, lk. 21-27.
- Ruuben, T. Mobiilsed sisuteenused ja USSD-tehnoloogia // A & A (2004) 3, lk. 34-44.

Saarts, T., Paist, P. *FSI – 500Mhz PLL frequency synthesizer IC* // *Elektroonika 2004* : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. p. 85-97.

\* Savimaa, R. A methodology for modelling of modifications in multifunctional human organisations // *Proc. 8<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2004)* : Orlando, Florida, USA, 2004. Vol. 10, p. 265-269.

\* Savimaa, R. Composition of organisational process models for supporting information systems design // *Proc. 11<sup>th</sup> Doctoral Consortium on Advanced Information Systems Engineering* : Riga, 2004, p. 59-70.

\* Savimaa, R. Improving embedded software testing // *Proc. World Multiconference on Systemics, Cybernetics and Informatics* : Orlando, Florida, USA. Vol. 1, p. 270-274.

\* Savimaa, R. Integrating UML, the Q-model and a multi-agent approach in process and behaviour models of organisations // *Proc. International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2004)* [and] *10<sup>th</sup> International Conference on Information Systems Analysis and Synthesis (ISAS 2004)* : Orlando, Florida, USA. Vol. 1, p. 167-171.

Skobtsov, Y.A., Ivanov, D.E., Skobtsov, V.Y., Ubar, R.-J. Evolutionary approach to the functional test generation for digital circuits // *BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference* : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 229-232.

Sudnitsõn, A. Register transfer low power design based on controller decomposition // *MIEL 2004 : 24<sup>th</sup> International Conference on Microelectronics* : Niš, Serbia and Montenegro, 16–19 May 2004 : proceedings. Volume 2. [S. l.], c2004. p. 735-738.

Tammemäe, K. jt. AM küsib: Mis olid Teie jaoks tähtsamad sündmused IT-maailmas 2004. aastal? // *Arvutimaailm (2004)* 10, lk. 10.

Tammemäe, K. Kuidas saada tehnosuhlejaks? : [intervjuu] // *Arvutimaailm (2004)* 6, lk. 31.

Tammet, T. Chain resolution for the Semantic Web // *Automated Reasoning : Second International Joint Conference, IJCAR 2004* : Cork, Ireland, July 4–8, 2004 : proceedings. Berlin : Springer, 2004. p. 307-320. (Lecture notes in artificial intelligence ; 3097).

\* Tenno, A., Tenno, R., Suntio, T. Method for battery impedance analysis // *Journal of the Electrochemical Society*. **151** (2004) 6, p. A806-A824.

Tepandi, J., Vassiljev, S. Relationships between access to information and the effect of the terrorist behavior // *SCI 2004 : the 8<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics* : July 18–21, 2004, Orlando, Florida, USA. Volume 1, Information Systems, Technologies and Applications : proceedings. [S.l., 2004]. p. 341-346.

- \* Tepandi, J. Born to Co-operate : new communication approaches for e-government // The eChallenges e-2004 Conference. Amsterdam : IOS Press, 2004. p. 924-931.
- Tepandi, J. IT standardisation // Information technology in public administration of Estonia : yearbook 2003. Tallinn, 2004. p. 10-12.
- Tiidemann, T., Kalja, A. Mõõtahelate ja istude koosarvutamisest // Tallinna Tehnika-kõrgkooli Toimetised. **4** (2004) lk. 61-65.
- Toomsalu, A. Dünaamiliselt rekonfigureeritava struktuuriga mikroprotsessor // A & A (2004) 6, lk. 8-13.
- Toomsalu, A. Kas MB või MiB? // A & A (2004) 1, lk. 9-12.
- Toomsalu, A. MASI-arhitektuuriga võrguprotsessor // A & A (2004) 3, lk. 7-18.
- Tšahhиров, I., Bolotov, J., Tepandi, J. Digital signature systems – an interoperability outlook // Scientific proceedings of Riga Technical University. 5. [series], Computer science. **20** (2004) p. 60-68.
- Ubar, R.-J., Aarna, M., Brik, M., Raik, J. High level fault modeling in digital systems // Synergies between Information and Automation : 49. Internationales Wissenschaftliches Kolloquium, 27.–30.9.2004, Technische Universität Ilmenau, Germany. Volume 2. Aachen : Shaker Verlag, 2004. p. 486-491.
- \* Ubar, R.-J., Aarna, M., Kruus, H., Raik, J. How to generate high quality tests for digital systems // 2004 International Semiconductor Conference : 27<sup>th</sup> edition : October 4–6, 2004, Sinaia, Romania : CAS 2004 proceedings. Volume 2. [S. 1., 2004]. p. 459-462.
- \* Ubar, R.-J., Jenihhin, M., Jervan, G., Peng, Z. An iterative approach to test time minimization for parallel hybrid BIST architecture // 5<sup>th</sup> IEEE Latin-American TestWorkshop - LATW 2004 : Cartagena, Colombia, 2004 : digest of papers, p. 98-103.
- \* Ubar, R.-J., Jenihhin, M., Jervan, G., Peng, Z. An iterative approach to test time minimization for parallel hybrid BIST architectures // System-on-Chip Conference 2004 : Bastad, Sweden.
- \* Ubar, R.-J., Jenihhin, M., Jervan, G., Peng, Z. Hybrid BIST optimization for core-based systems with test pattern broadcasting // 2<sup>nd</sup> IEEE Int. Workshop on Electronic Design, Test and Applications : Delta'04 : Perth, Australia, 2004, p. 3-8.
- Ubar, R.-J., Mazurova, N., Smahtina, J., Orasson, E., Raik, J. HyFBIST : hybrid functional built-in self-test in microprogrammed data-paths of digital systems // Proceedings of the 11<sup>th</sup> International Conference : Mixed Design of Integrated Circuits and Systems : MIXDES 2004 : Szczecin, Poland, 24–26 June 2004. [S. 1.], c2004. p. 497-502.
- Ubar, R.-J., Rüstern, E., Kruus, M. 6.EE: Eesti (Estonia) [Electronic resource] // Towards the harmonisation of Electrical and Information Engineering Education in Europe. [S. 1.], 2003. p. 68-75. [CD-ROM].

Ubar, R.-J., Vassiljeva, T., Raik, J., Jutman, A., Tombak, M., Peder, A. Optimization of structurally synthesized BDDs // Proceedings of the Fourth IASTED International Conference on Modelling, Simulation, and Optimization : August 17–19, 2004, Kawai, Hawaii, USA. Anaheim : ACTA Press, c2004. p. 234-240.

Ubar, R.-J., Wuttke, H.-D. Research and training scenarios for design and test of SOC [Electronic resource] // WCETE 2004 : World Congress on Engineering and Technology Education : Engineering Education in the Changing Society : March 14–17, 2004, Guaruja/Santos, Brazil, p. 320-324. [CD-ROM].

\* Ubar, R.-J., Wuttke, H.-D. Research and training scenarios for design and test of SOC // Proceedings of the World Congress on Engineering and Technology Education : Guaruja/Santos, Brasil, 2004, p. 320-324.

Ubar, R.-J. Diagnostic modelling of digital systems with decision diagrams // Vestnik Tomskogo gosudarstvennogo yuniversiteta : priloženie. 9(1) (2004) avgust, lk. 174-179.

Uustalu, T. Arvutiteadlaste koolid ja seminarid // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 302-305.

\* Vaarandi, R. A breadth-first algorithm for mining frequent patterns from event logs // Proceedings of the 2004 IFIP International Conference on Intelligence in Communication Systems. Vol. 3283. p. 293-308.

Vaarandi, R. Vabavaralised lahendused infosüsteemide monitooringuks // A & A (2004) 4/5, lk. 110-116.

\* Vafin, R., Kleijn, W.B. Towards optimal quantization in multistage audio coding // Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4. Montreal, 2004. p. 205-208.

\* Vain, J., Otto, T., Kuusik, A. Model checking for planning resource-sharing production // Proceedings 20<sup>th</sup> International Conference on CAD/CAM, Robotics and Factories of the Future : July 21, 22 and 23, 2004, San Cristobal - Venezuela, p. 151-158.

Vain, J., Suzuki, S., Kuusik, A. Formal safety validation of mobile robot teleoperation // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 161-164.

Vassiljeva, K., Rüstern, E. On-line identification and adaptive control of nonlinear systems using neural networks // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 149-152.

\* Velmre, E., Udal, A., Klopov, M. Modeling of photon recycling in GaN-devices // Abstracts of 5<sup>th</sup> ECSCRM Conference : 31 August–4 Sept. 2004, Bologna, Italy, p. 317-318.



\* Velmre, E., Udal, A., Klopov, M. Modeling of photon recycling in GaN-devices // Proceedings of the 5<sup>th</sup> European Conference on Silicon Carbide and Related Materials : August 31–September 4, 2004, Italy, p. 1039-1043.

Velmre, E., Udal, A., Verbitski, I. Study of radiative recombination influence in GaN and GaAs bipolar transistor structures // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 59-62.

Velmre, E., Udal, A. Comparison of photon recycling effect in GaAs and GaN structures // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 3, p. 157-172.

Velmre, E. Kui vana on elektroonika? // Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid. [Tallinn] : TTÜ kirjastus, c2004. lk. 53-56.

Veskioja, T., Võhandu, L. A framework for solving hard variants of stable matching within a limited time // Proceedings of the IADIS International Conference : Applied Computing 2004 : Lisbon, Portugal, March 23–26, 2004. [S. l.], c2004. p. II-177 - II-182.

Veskioja, T., Võhandu, L. Majority voting in stable marriage problem with couples : using a monotone systems based tournament approach // ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14–17, 2004. Volume 2. [S. l., 2004]. p. 442-447.

Vislogubov, V., Jutman, A., Kruus, H., Orasson, E., Raik, J., Ubar, R.-J. Diagnostic software with WEB interface for teaching purposes // BEC 2004 : proceedings of the 9<sup>th</sup> Biennial Baltic Electronics Conference : October 3–6, 2004, Tallinn, Estonia. Tallinn : Tallinn University of Technology, c2004. p. 255-258.

Voitovitš, V., Kuznetsova, N., Rang, T., Pikkov, M., Ruut, J. Comparison of GaAs based high voltage diode stacks // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 2 of 7, Devices, control of converters, measurements and sensors. Riga : Riga Technical University, c2004. p. 2-391 - 2-394.

Võhandu, L., Alumäe, T. Aru ja keel // Toimiv keel. II, Töid rakenduslingvistika alalt. Tallinn : TPÜ kirjastus, 2004. lk. 367-373. (Tallinna Pedagoogikaülikooli eesti filoloogia osakonna toimetised ; 3).

Võhandu, L. Infotötleja vaade teksti adumisele // Ülelugemine ja avastamine : Prantsuse Teadusliku Instituudi 80. juubeli konverentsi ettekanded : Tartu, 21.–22. september 2002. Tartu : Tartu Ülikooli kirjastus, 2004. lk. [23]-28. (Studia romanica Tartuensia ; 2/1).

Võhandu, L. Keerdülesannetest kehtestatavuseni // A & A (2004) 6, lk. 34-47.

Õunapuu, E. Decision support component in intelligent e-learning systems // Proceedings of the Seventh IASTED International Conference on Computers and Advanced Technology in Education : August 16–18, 2004, Kauai, Hawaii, USA. Anaheim : ACTA Press, c2004. p. 278-283.

\* Õunapuu, E. Using web services and software agents in web-based educational systems // The IASTED International Conference on Web-Based Education : WBE 2004 : February 16–18, 2004, Innsbruck, Austria. Innsbruck : Acta Press, 2004. p. 428-432.

\* Õunapuu, E. Using web services and software agents in enterprise systems // Proceedings of the 13<sup>th</sup> Turkish Symposium on Artificial Intelligence and Neural Networks : 10–11 June 2004, Foca, Izmir, p. 255-261.

\* Õunapuu, E. Web services and software agents usage in web-based educational systems // Proceedings of the 10<sup>th</sup> International Conference of European University Information Systems "IT Innovation in a Changing World" : June 29–July 2, 2004, Bled, Slovenia, p. 56-60.

## **KEEMIA- ja MATERJALITEHNOLOOGIA TEADUSKOND**

### ***Raamatud***

Adamberg, K. Growth characteristics of non-starter lactic acid bacteria from cheese. Tallinn : TUT Press, 2004. 135 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 31).

Christjanson, P. Adhesioon ja adhesiivid. 2., täiend. tr. Tallinn : TTÜ kirjastus, 2004. 144 lk.

Food and nutrition = Toit ja toitumine. 12. Tallinn : TTÜ kirjastus, 2004. 81 p. (Food and nutrition = Toit ja toitumine / Tallinna Tehnikaülikool, toiduainete instituut ; 12).

Kann, A., Veskus, T., Vokk, R., Liebert, T., Pappel, K., Laasik, M. Toiduhügieeni-koolituse täiendmaterjalid. 2., parand. tr. Tallinn, 2004. 22 lk.

Kijatkina, O. Deposition of copper indium disulphide films by chemical spray pyrolysis. Tallinn : TUT Press, c2004. 132 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 28).

Põllumaa, L. Evaluation of ecotoxicological effects related to oil shale industry. Tallinn : TUT Press, 2004. 126 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 35).

Reiska, R. (koost.). Liimpuit. Liimliidete lahutuskatse. [Tallinn] : Eesti Standardikeskus, 2004. II, 10, [1] lk. (Eesti standard ; EVS-EN 391:2004).

Reiska, R. (koost.). Liimpuit. Liimliite nihketugevuse määramine. [Tallinn] : Eesti Standardikeskus, 2004. II, 12, [1] lk. (Eesti standard ; EVS-EN 392:2004).

Reiska, R. (koost.). Puidust põrandakate. Terminoloogia = Wood flooring. Terminology. [Tallinn] : Eesti Standardikeskus, 2004. II, 33, [1] lk. (Eesti standard ; EVS-EN 13756:2004).

Reiska, R. (koost.). Puidust põrandakate. Massiivpuidust okaspuu põrandalauad. [Tallinn] : Eesti Standardikeskus, 2004. II, 15, [1] lk. (Eesti standard ; EVS-EN 13990:2004).

Reiska, R. (koost.). Sõrmjätkatud ehituspuit. Teostusnõuded ja miinimumnõuded toodetele. [Tallinn] : Eesti Standardikeskus, 2004. II, 19, [1] lk. (Eesti standard ; EVS-EN 385:2004).

Reut, J. Polypyrrole coatings on conducting and insulating substrates. Tallinn : TUT Press, c2004. 102 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 26).

Syrtski, V. Study of synthesis and redox switching of polypyrrole and poly(3,4-ethylenedioxythiophene) by using *in-situ* techniques. Tallinn : TUT Press, 2004. 67 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 34).

Toidu määrgistuse õigusaktid : seisuga 09.09.2004 / Tallinna Tehnikaülikool, toiduainete instituut. [Tallinn, 2004]. 130 lk.

Vaask, S. (toim.). Ravikindlustuse eelarvest 2003. a. finantseeritud tervist edendavate projektide aruanded. Tallinn : Eesti Haigekassa, 2004. 173 lk. (Projekt "Tervise edendamine Eestis").

Viikna, A. Tekstiilikeemia. I, Ettevalmistusprotsessid. [Tallinn] : TTÜ kirjastus, c2004. 87 lk.

Viikna, A. Tekstiilikeemia. II, Tekstiilmaterjalide värvimine. [Tallinn] : TTÜ kirjastus, c2004. 121 lk.

### **Artiklid**

\* Adamberg, K., Antonsson, M., Kask, S. et al. Fermentation of carbohydrates from cheese sources by non-starter lactic acid bacteria isolated from semi-hard Danish cheese // IDF Symposium on Cheese: Ripening, Characterization and Technology : book of abstracts. Praha : L.Houdek - Nakladatelstvi Galen, 2004. p. 33.

\* Altosaar, M., Bereznev, S., Kauk, M., Krunks, M., Krustok, J., Mellikov, E., Raudoja, J., Varema, T. High efficient photovoltaics in Estonia // Proc. 3<sup>rd</sup> Workshop held at JRC Ispra, 2–3 Oct. 2003. European Commission, 2004. p. 179-190.

Bereznev, S., Konovalov, I., Kois, J., Mellikov, E., Öpik, A. Polypyrrole electrodeposition on inorganic semiconductors CuInSe<sub>2</sub> and CuInS<sub>2</sub> for photovoltaic applications // Electronic Phenomena in Organic Solids : Prague, Czech Republic, July 14–18, 2002. Weinheim : Wiley-VCH, 2004. p. 287-292.

Bereznev, S., Konovalov, I., Kois, J., Mellikov, E., Öpik, A. CuInS<sub>2</sub>/PEDOT photovoltaic structure // Organic and Polymeric Materials and Devices : symposium held April 22–25, 2003, San Francisco, California, USA. Warrendale : Materials Research Society, c2003. p. 243-248.

\* Bereznev, S., Öpik, A., Konovalov, I. Hybrid CuInS<sub>2</sub>/polypyrrole and CuInS<sub>2</sub>/poly(3,4-ethylenedioxythiophene) photovoltaic structures [Electronic resource] // ICSM 2004. [CD-ROM].

Bombicz, P., Mutikainen, I., Krunk, M., Leskelä, T., Madarasz, J., Niinistö, L. Synthesis, vibrational spectra and X-ray structures of copper(I) thiourea complexes // *Inorganica chimica acta*. **357** (2004) 2, p. 513-525.

\* Christiansen, P., Moller, P.L., Kask, S., Adamberg, K. et al. Antimicrobial activity of genetically and physiologically characterized *Lactobacillus* isolated from semi-hard cheeses // IDF Symposium on Cheese: Ripening, Characterization and Technology : book of abstracts. Praha : L.Houdek - Nakladatelství Galen, 2004. p. 34.

Christjanson, P., Siimer, K. Urea-formaldehyde resins for wood agglomeration : synthesis, structure and properties // V. symposium : Drevne kompozitne materialy (Composite Wood Materials) : Zvolen, 23.–25.6.2004 : zbornik referatov, 2004. p. 112-118.

Christjanson, P., Suurpere, A., Siimer, K. Rheological behaviour of urea-formaldehyde adhesive resins [Electronic resource] // *e-polymers* (2004) no. 037, [10] p. URL <http://www.e-polymers.org>.

Dedova, T., Kijatkina, O., Mere, A., Volobujeva, O., Krunk, M. Structural and optical characterization of sprayed ZnS thin films // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 38.

Denafas, G., Sitnikovas, D., Galinis, A., Kudrenickis, I., Klavs, G., Kuusik, R. Predicting CO<sub>2</sub> and SO<sub>2</sub> emissions in the Baltic States through reorganization of energy infrastructure // *Environment international*. **30** (2004) p. 1045-1053.

\* Diawara, Y., Durst, R.D., Mednikova, G., Thorson, T., Hiie, J., Valdna, V. Scintillators for high efficiency and high spatial resolution in  $\gamma$ -ray imaging applications // *Hard x-ray and gamma-ray detector physics*. V. [S. l.], 2004. p. 119-125. (Proceedings of SPIE ; 5198).

Dumoulin, E., King, R., Tedersoo, E., Lenart, A., Russ, W., Santos, V., Tanchev, S., Tibulca, A. et al. Professional placements during studies in food science and technology. Industry-university relationship in ISEKI-Food project // *Food and nutrition = Toit ja toitumine*. **12** (2004) p. 41-54.

Es-Souni, M., Oja, I., Krunk, M. Chemical solution deposition of thin TiO<sub>2</sub>-anatase films for dielectric applications // *Journal of materials science: materials in electronics*. **15** (2004) p. 341-344.

Goi, A., Kulik, N., Palmroth, M.R.T., Trapido, M. Ozonation and the Fenton treatment for remediation of soil – diesel fuel contaminated soil // *Advances in Science and Engineering for Industrial Applications of Ozone and Related Oxidants : International Conference : Barcelona, Spain, March 10–12, 2004 : proceedings*. [S. l., 2004]. p. I.2.10-1 - I.2.10-6.

\* Goi, A., Kulik, N., Trapido, M. Combined methods for remediation of fuel and transformer oil contaminated soil // Abstracts of the International Conference "Eco-Balt 2004". Riga, 2004. p. 11-12.

Goi, A., Trapido, M., Tuhkanen, T. A study of toxicity, biodegradability, and some by-products of ozonised nitrophenols // *Advances in environmental research*. **8** (2004) p. 303-311.

Goi, A., Trapido, M. Combined chemical and biological treatment of oil contaminated soil // 9<sup>th</sup> FECS Conference and 2<sup>nd</sup> SFC Meeting on Chemistry and the Environment : Bordeaux, 29 August – 1 September 2004 : final program, abstracts. [S. l., 2004]. p. 74-75.

\* Goi, A., Trapido, M. Combined method for remediation of nitrophenols contaminated soil // *Fresenius environmental bulletin*. **13** (2004) 11b, p. 1191-1196.

Goi, A., Trapido, M. Degradation of polycyclic aromatic hydrocarbons in soil : the Fenton reagent versus ozonation // *Environmental technology*. **25** (2004) p. 155-164.

Gruselle, M., Malézieux, B., Guyard-Duhayon, C., Clément, R., Besnard, S., Gredin, P., Tõnsuaadu, K. Optically active molecular magnets // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 52.

Gruselle, M., Malezieux, B., Tõnsuaadu, K. et al. Chiral matrix effect of optically active oxalate-based networks: controlled helical conformation of an organic chromophore // *Tetrahedron: asymmetry*. **15** (2004) 19, p. 3103-3109.

\* Hiie, J., Valdna, V., Kois, J., Danilson, M., Mikli, V. Chemistry of CdCl<sub>2</sub>:O<sub>2</sub> flux for CdTe solar cell technology // *Proceedings of the 19<sup>th</sup> EPVSECE conference*. Paris, 2004. p. 927.

\* Hiie, J., Valdna, V., Taklaja, A. Modeling of flux composition for thermal CdCl<sub>2</sub>:O<sub>2</sub> annealing of polycrystalline CdTe // *Mat.Res.Soc.Symp.Proc.* 763. Pennsylvania, 2004. p. 397-402.

Hiie, J. Teadus hääbub!? // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 230.

Jaansoo, S., Pitsi, T. Menu planning for Estonian prisons // *Food and nutrition = Toit ja toitumine*. **12** (2004) p. 34-40.

Kaljuvee, T., Kuusik, R., Radin, M., Bender, V. Carbon dioxide binding in the heterogeneous systems formed at combustion of oil shale. 4, Reactivity of ashes towards acid gases in the system fly ash-flue gases // *Oil shale*. **21** (2004) 1, p. 13-26.

\* Kaljuvee, T., Kuusik, R., Uibu, M. Behaviour of magnesium compounds at sulphation of lime-containing sorbents [Electronic resource] // VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1–4 Sept. 2003 : proceedings. Tallahassee : Florida State University, 2004. [5] p. [CD-ROM].

Kaljuvee, T., Trikkel, A., Kuusik, R., Bender, V. The role of MgO in the binding of SO<sub>2</sub> by lime-containing materials // ICTAC 13 : 13<sup>th</sup> International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12–19, 2004 : book of abstracts. [S.l., 2004]. p. 315.

\* Kallavus, U. Towards nanotechnology through structural research // Environmental education, communication and sustainability "Integrative Approaches Towards Sustainability in the Baltic Sea Region". Frankfurt am Main : Peter Lang, 2004. p. 111-115.

Kann, A., Tohver, M., Täht, R., Mihhalevski, A. Utilisation of different triticale cultivars in bread-making // Food and nutrition = Toit ja toitumine. **12** (2004) p. 62-72.

Kann, J., Elenurm, A., Rohtla, I., Golubev, N., Kaidalov, A., Kindorkin, B. About thermal low-temperature processing of oil shale by solid heat carrier method // Oil shale. **21** (2004) 3, p. 195-203.

\* Katšina, A., Nuria, C., Preis, S., Kallas, J. Gas-phase photocatalytic and thermal oxidation of methyltertbutyl ether and tert-butyl alcohol at TiO<sub>2</sub> surface // 3<sup>rd</sup> European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : book of abstracts. Barcelona, 2004. p. 305-306.

Kauk, M., Timmo, K., Kaupmees, L., Altosaar, M., Raudoja, J. Tailoring composition and properties of CuInSe<sub>2</sub> materials for solar cell application // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 44.

Kekiševa, L., Krainjukova, N., Žirjakov, J., Soone, J. A review on basic methods of extraction of neutral oxygen compounds from shale oil, their composition and properties // Oil shale. **21** (2004) 2, p. 173-178.

Kirss, H., Kuus, M., Siimer, E. Isobaric vapor-liquid equilibria of the ternary system toluene + ethylbenzene + amyl acetate // Journal of chemical & engineering data. **49** (2004) p. 465-467.

\* Klauson, D., Portjanskaja, E., Katšina, A., Preis, S., Kallas, J. Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of pollutants in groundwater // 3<sup>rd</sup> European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : book of abstracts. Barcelona, 2004. p. 103-104.

\* Klauson, D., Preis, S. Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of 2-ethoxy ethanol // Abstracts of the International Conference "Eco-Balt 2004". Riga, 2004. p. 7-8.

Kois, J., Bereznev, S., Raudoja, J., Mellikov, E., Öpik, A. Glass/ITO/In(O,S)/CuIn(S,Se)<sub>2</sub> solar cell with conductive polymer window // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 44.

Kropman, D., Kärner, T., Abru, U., Ugaste, Ü., Mellikov, E. Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation // Thin solid films. **459** (2004) 1/2, p. 53-57.

Kropman, D., Kärner, T., Abru, U., Ugaste, Ü., Mellikov, E., Kauk, M. Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation // Materials science and engineering B. **114-115** (2004) p. 295-298.

\* Kropman, D., Kärner, T., Abru, U., Ugaste, Ü., Mellikov, E. Point defects interaction with extended defects in the Si-SiO<sub>2</sub> system [Electronic resource] // Proceedings IVC-16 : Venice, 2004, p. SS1-TuP394 [CD-ROM].

Krumme, A., Lehtinen, A. Effect of solvent treatment on crystallisation behaviour of high-density polyethylene // ISPAC-2004 : 17<sup>th</sup> International Symposium on Polymer Analysis and Characterization : 6–9 June 2004, Heidelberg, Germany. Heidelberg, 2004. p. P38.

Krumme, A. Crystallisation behaviour of bimodal blends of high-density polyethylene // COST P12 : Structuring of Polymers : first workshop : October 27–30, 2004, Bacoli - (Naples) - Italy : book of abstracts. [S.l., 2004]. p. 18.

Krumme, A. Measuring crystallization kinetics of high density polyethylene by improved hot-stage polarized light microscopy // Polymer testing. **23** (2004) p. 29-34.

Krunk, M., Oja, I., Tõnsuaadu, K., Es-Souni, M., Gruselle, M., Niinistö, L. Thermoanalytical study of acetylacetone modified titanium(IV)isopropoxide as a precursor for TiO<sub>2</sub> films // ICTAC 13 : 13<sup>th</sup> International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12–19, 2004 : book of abstracts. [S.l., 2004]. p. 276.

Krustok, J., Danilson, M., Jagomägi, A., Grossberg, M., Raudoja, J. Device characteristics of CuInSe<sub>2</sub> based solar cells // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 45.

Krustok, J. Naljakas teadus // Tehnikamaailm (2004) 2, lk. 68-71.

Krustok, J. Üllatuslikud mullid // Tehnikamaailm (2004) 7, lk. 70-71.

\* Kuosa, M., Haario, H., Kallas, J. Modelling ozone mass transfer and reaction kinetics of ozone selfdecomposition // Conference of International Ozone Association. Barcelona, 2004. p. 1.2.1-1 - 1.2.1.-11.

Kuosa, M., Laari, A., Kallas, J. Determination of the Henry's coefficient and mass transfer for ozone in a bubble column at different pH values of water // Ozone: science & engineering. **26** (2004) 3, p. 277-286.

Kuus, M., Kirss, H., Siimer, E., Kudrjavitseva, L. Thermodynamics of ternary liquid mixtures containing toluene, ethylbenzene, and chlorobenzene // J. Chem. Eng. Data. **48** (2003) p. 898-903.

Kuusik, R., Martins, A., Pihu, T., Pesur, A., Kaljuvee, T., Prikk, A., Trikkel, A., Arro, H. Fluidized-bed combustion of oil shale retorting solid waste // *Oil shale*. **21** (2004) 3, p. 237-248.

Kuusik, R., Paat, A., Veskimäe, H., Uibu, M. Transformations in oil shale ash at wet deposition // *Oil shale*. **21** (2004) 1, p. 27-42.

\* Laht, T.-M., Kask, S., Adamberg, K., Tomson, K., Paalme, T., Vilu, R. A model of swiss-type cheese ripening // *IDF Symposium on Cheese: Ripening, Characterization and Technology* : book of abstracts. Praha : L.Houdek - Nakladatelství Galen, 2004. p. 75.

Laos, K., Brownsey, G., Ring, S. The interactions between furcellaran and milk proteins (BSA, BLG) // *Marine Biopolymers : Structure, Functionality and Applications* : June 27–29, 2004, Trondheim, Norway : a satellite to the XVIII International Seaweed Symposium : programme. Abstracts for oral and poster presentations. [S.l., 2004]. p. P8.

Laos, K., Tilk, K. The effect of packaging on the storage of jelly // *Food and nutrition = Toit ja toitumine*. **12** (2004) p. 55-61.

Leleckaitė, A., Urbonaitė, S., Tõnsuaadu, K., Kareiva, A. Sol-gel preparation and characterization of yttrium gallium garnets // *The Fourth International Conference on Advanced Optical Materials and Devices* : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 19.

Lenzmann, F., Nanu, M., Kijatkina, O., Belaidi, A. Substantial improvement of the photovoltaic characteristics of TiO<sub>2</sub>/CuInS<sub>2</sub> interfaces by the use of recombination barrier coatings // *Thin solid films*. **451/452** (2004) p. 639-643.

Liebert, T. Suhkru asemel : [vastab T.Liebert] // *Tervis Pluss* (2004) detš., lk. 70.

Liebert, T. Söömaaega on sõjaski // *Kodukolle* (2004) 3, lk. 62-63.

Lott, K., Nirk, T., Šinkarenko, S. High temperature electrical conductivity in ZnS:Al and in CdSe:Al // *Solid state ionics*. **173** (2004) p. 83-87.

\* Lott, K., Nirk, T., Šinkarenko, S. High temperature electrical conductivity in ZnS:Al and in CdSe:Al // *E-MRS Spring Meeting* : Strasbourg, France, 2004 : book of abstracts, p. K/PO3.

Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E., Grebennik, A., Vishnjakov, A. Excess Zn in ZnO // *Physica status solidi c*. **1** (2004) 9, p. 2237-2242.

Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E., Grebennik, A., Vishnjakov, A. Zinc nonstoichiometry in ZnO // *Solid state ionics*. **173** (2004) p. 29-33.

\* Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E., Grebennik, A., Vishnjakov, A. Excess Zn in ZnO // *International Conference on Photoresponsive Materials* : Port Elizabeth, South Africa, 2004 : book of abstracts.



\* Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E., Grebennik, A., Vishnjakov, A. Zinc non-stoichiometry in ZnO // E-MRS Spring Meeting : Strasbourg, France, 2004 : book of abstracts.

\* Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E., Grebennik, A., Vishnjakov, A. Atomic absorption photometry of excess Zn in ZnO // E-MRS Spring Meeting : Warsaw, Poland, 2004 : book of abstracts.

Lott, K., Šinkarenko, S., Kirsanova, T., Türn, L., Gorohova, E.I., Grebennik, A.V., Višnjakov, A.V. Nestehiometrija oksida cinka // VI meždunarodnaja konferencija "Prikladnaja optika" : sbornik trudov. Tom 2, Optičeskie tehnologii i materialy : 18–21 oktjabrja 2004 goda, Sankt-Peterburg, Rossija. Sankt-Peterburg, 2004. lk. 7-11.

Lõugas, T., Laos, K., Vokk, R., Friedenthal, M. Encapsulation of bioactive compounds of sea buckthorn in furcellaran beads // Marine Biopolymers : Structure, Functionality and Applications : June 27–29, 2004, Trondheim, Norway : a satellite to the XVIII International Seaweed Symposium : programme. Abstracts for oral and poster presentations. [S.l., 2004]. p. P7.

Lõugas, T., Vokk, R. Study on sea buckthorn (*Hippophae rhamnoides* L.) pigments as potential antioxidants // Pigments in food, more than colours. Quimper : Universite de Bretagne Occidentale, 2004. p. 238-240.

Madarasz, J., Krunks, M., Niinistö, L., Pokol, G. Evolved gas analysis of dichlorobis(thiourea)zinc(II) by coupled TG-FTIR and TG/DTA-MS techniques // Journal of thermal analysis and calorimetry. **78** (2004) p. 679-686.

Mellikov, E., Altosaar, M., Bereznev, S., Kauk, M., Krunks, M., Krustok, J., Mere, A., Raudoja, J., Varema, T., Õpik, A. Päikeseenergeetika materjalid // Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003. Tallinn, 2004. lk. 11-21.

Mellikov, E., Altosaar, M., Kauk, M., Krustok, J., Krunks, M., Varema, T. Materials and technologies for photovoltaic applications from Estonia // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 45.

Mellikov, E. Kalleim labor Eestis : Euroopa Liidu Teaduse Tippkeskus pooljuht-päikeseenergeetika materjalide ja seadiste alal : [intervjuu] // Horisont (2004) 2, lk. 18-23.

Mellikov, E. Saateks // Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003. Tallinn, 2004. lk. 3.

Mikli, V., Kulu, P., Tarbe, R., Peetsalu, P. Double-cemented recycled hardmetal based powders for thermal spray // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 211-214.

Mikli, V., Kulu, P., Tarbe, R., Peetsalu, P., Zimakov, S. Recycled hardmetal-based powders for thermal spray // Proceedings of Estonian Academy of Sciences. Engineering. **10** (2004) 4, p. 315-325.

Munter, R., Ojaste, H., Sutt, J. A new oxidation/filtration technology for groundwater treatment // *Advances in Science and Engineering for Industrial Applications of Ozone and Related Oxidants : International Conference : Barcelona, Spain, March 10–12, 2004 : proceedings.* [S.l., 2004]. p. I.2.7-1 - I.2.7-6.

\* Munter, R., Ojaste, H., Sutt, J. Contemporary groundwater treatment technology // *Abstracts of the International Conference "Eco-Balt 2004".* Riga, 2004. p. 13-15.

Munter, R. Mathematical modeling and simulation of ozonation processes in a downstream static mixer with sieve plates // *Ozone: science and engineering.* **26** (2004) 2, p. 227-236.

Munter, R. Osoon meid ümbritsevas keskkonnas, veepuhastuses ja toiduainetööstuses // *Keskkonnatehnika* (2004) 2, lk. 16-18.

Mölder, L. Estonian oil shale retorting industry at the crossroads // *Oil shale.* **21** (2004) 2, p. 97-98.

Oja, I., Mere, A., Krunks, M., Solterbeck, C.-H., Es-Souni, M. Properties of TiO<sub>2</sub> films prepared by the spray pyrolysis method // *Solid state phenomena.* **99/100** (2004) p. 259-262.

Oja I., Sabataityte, J., Volobujeva, O., Krunks, M. Development of porous TiO<sub>2</sub> thin films by sol-gel process // *The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts.* Tartu, 2004. p. 46.

\* Oja, V. Deoatization study of the Estonian oil shales // *16<sup>th</sup> International Symposium on Analytical and Applied Pyrolysis : Aluante Spaine, 2004.*

\* Oja, V. Sublimation study of solid hydroxyl-containing coumarins and their derivatives // *18<sup>th</sup> International Conference on Chemical Thermodynamics : Beijing, China, 2004.*

Ojaste, H., Munter, R. Orgaanilise ainega seotud raua eraldamine Lääne-Siberis Kogalõmi põhjaveest // *Keskkonnatehnika* (2004) 1, lk. 5-8.

\* Otto, K., Kaps, T. Experimental estimation of solid surface free energy of different species of wood by meniscus shape analysis // *Proceedings of Baltic Polymer Symposium 2004 : Kaunas, Lithuania. Kaunas : Kaunas University of Technology, 2004.* p. 72.

Petchova, V., Pelovski, Y., Dombalov, I., Tõnsuaadu, K. Thermochemical investigations of natural phosphate with ammonium sulphate additive // *ICTAC 13 : 13<sup>th</sup> International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12–19, 2004 : book of abstracts.* [S.l., 2004]. p. P2-105A.

Petkova, V., Kuusik, R., Tõnsuaadu, K., Pelovski, Y., Dombalov, I., Petrov, L. Izsledvane na termičnoto razlagane na mehanoaktivirani smesi ot Estonski fosforit i amoniev sulfat // *Dvanadeseta nayčno-tehnologična sesija Kontakt 2003 "Tribologija i interdisciplinnost" : Tribologija 2003 : 20–31 oktombri 2003, Sofija. Sofija : TEMTO, 2003.* lk. 111-116. [Bulgaaria keeles].

Petkova, V., Tõnsuaadu, K., Dombalov, I., Pelovski, Y., Petrov, L. Termotribohimija na amoniev sulfat // Dvanadeseta nayčno-tehnologična sesija Kontakt 2003 "Tribologija i interdisciplinnost" : Tribologija 2003 : 20–31 oktomvri 2003, Sofija. Sofija : TEMTO, 2003. lk. 117-120. [Bulgaaria keeles].

Pietruszko, S., Vitanov, P., Mellikov, E., Volobujeva, O. et al. Photovoltaic systems research and development in EU new member and candidate states (invited) // The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6–9, 2004 : abstracts. Tartu, 2004. p. 23.

Pitsi, T., Liivand, P., Ilves Annunziata, A.-R., Veldre, G. The consumption of calcium and dairy products in 1996 and 2002 in a sample of children in central Tallinn and Viljandi county // Food and nutrition = Toit ja toitumine. **12** (2004) p. 17-33.

Portjanskaja, E., Kritševskaja, M., Preis, S., Kallas, J. Photocatalytic oxidation of humic substances with TiO<sub>2</sub>-coated glass micro-spheres // Environmental chemistry letters. **2** (2004) 3, p. 123-127.

\* Portjanskaja, E., Kritševskaja, M., Preis, S. Photocatalytic oxidation of humic substances with TiO<sub>2</sub> attached to the hollow glass micro-spheres // Abstracts of the International Conference "Eco-Balt 2004". Riga, 2004. p. 5-6.

Preis, S., Falconer, J.L. Gas-phase photocatalytic oxidation of motor fuel oxygenated additives // Water science & technology. **49** (2004) 4, p. 141-145.

Preis, S., Kallas, J. Gas-phase degradation of CCl<sub>4</sub>, CHCl<sub>3</sub> and CH<sub>2</sub>Cl<sub>2</sub> over metallic Fe // Environmental chemistry letters. **2** (2004) 1, p. 9-13.

Reinik, J., Jakobsson, K., Kallas, J. 2,4-xylydine degradation with ozonation : mass transfer and reaction kinetics // Ozone: science & engineering. **26** (2004) 5, p. 499-509.

Reinik, J., Kallas, J. Raketikütusega reostatud Keila-Joa põhjavee keemiline puhastamine // Keskkonnatehnika (2004) 4, lk. 8-9.

Reinik, J., Kallas, J. Xylydine-polluted groundwater purification. Ozonation and catalytic wet oxidation // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 3, p. 97-115.

\* Sabataityte, J., Oja, I., Lenzmann, F., Volobujeva, O., Krunks, M. Characterization of nanoporous TiO<sub>2</sub> films prepared by sol-gel method // IPS 15 : 2004 : proceedings.

\* Siimer, E., Skrzecz, A. Processed data // Int. DATA Ser., Sel.Data Mixtures. **32** (2004) p. 148-151.

Siimer, K., Kaljuvee, T., Christjanson, P., Pehk, T. Changes in curing behaviour of aminoresins during storage // ICTAC 13 : 13<sup>th</sup> International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12–19, 2004 : book of abstracts. [S.l., 2004]. p. 85.

\* Siimer, K., Kaljuvee, T., Christjanson, P., Pehk, T. Thermal behaviour of stored aminoresins // Proceedings of Baltic Polymer Symposium 2004 : Kaunas, Lithuania. Kaunas : Kaunas University of Technology, 2004. p. 86.

Siirde, E. Tahtsin saada keemiainseneriks // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 359-390.

\* Soiela, M., Ilves, A., Viikna, A., Erdberg, E. Properties of flax fiber reinforced polyethylene films // Proceedings of Baltic Polymer Symposium 2004 : Kaunas, Lithuania. Kaunas : Kaunas University of Technology, 2004. p. 73.

Soiela, M., Viikna, A. Properties and use of industrial needlepunched textiles based on short flax fibres // Agroindustria. **2** (2004) 2/3, p. 99-102.

\* Suurpere, A., Christjanson, P., Siimer, K. Rheokinetic study of ureaformaldehyde resins in ageing // Proceedings of Baltic Polymer Symposium 2004 : Kaunas, Lithuania. Kaunas : Kaunas University of Technology, 2004. p. 75.

\* Sõritski, V., Gyurcsanyi, R., Öpik, A., Toth, K. Synthesis and characterization of inherently conducting polymers by using scanning electrochemical microscopy and electrochemical quartz crystal microbalance // The International Conference on the Science and Technology of Synthetic Metals (ICSM) 2004 : University of Wollongong, Australia, 28 June to 2 July : book of abstracts. Wollongong : University of Wollongong, 2004. p. 212.

Sõritski, V., Idla, K., Öpik, A. Synthesis and redox behavior of PEDOT/PSS and PPy/DBS structures // Synthetic metals. **144** (2004) p. 235-239.

Zandersons, J., Gravitis, J., Zhurish, A., Kokorevics, A., Kallavus, U., Suzuki, C.K. Carbon materials obtained from self-binding sugar cane bagasse and deciduous wood residues plastics // Biomass and bioenergy. **26** (2004) 4, p. 345-360.

Tamla, Ü., Kallavus, U., Säre, M. Eksperimentaalarheoloogia: hõbedast muinasehte koopia valmistamine // Linnusest ja linnast : uurimusi Vilma Trummali auks. Tallinn ; Tartu : Ajaloo Instituut, 2004. lk. 347-376.

\* Tomson, T., Annuk, A. Wind energy in Estonian farlands // Proceedings of conference "Electricity and Energy in Agriculture, in Rural Development and in Habitation Management" : Hungary, 2004. B-2.

Tomson, T., Hansen, M., Pirksaar, R. Tuuleenergia prognoosi täpsuse uuring // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandusülikool, 2004. lk. 29-36.

\* Tomson, T., Mellikov, E. Structure of solar radiation at high latitudes // EuroSun 2004 : proceedings, p. 899-904.

\* Tomson, T., Tepp, J. Simultaneity of the wind speed- and power fronts. West Estonian case study [Electronic resource] // EWEC 2004 : proceedings, [4] p. [CD-ROM].

Tomson, T. Helioenergeetika trendid 2004 // Keskkonnatehnika (2004) 5, lk. 39-40.

Tomson, T. Kliima ja energeetika // Keskkonnatehnika (2004) 1, lk. 54.

Tomson, T. Tuuletont // Keskkonnatehnika (2004) 6, lk. 46-47.

Trapido, M., Veressinina, J., Munter, R., Kallas, J. Catalytic ozonation of m-dinitrobenzene // Advances in Science and Engineering for Industrial Applications of

Ozone and Related Oxidants : International Conference : Barcelona, Spain, March 10–12, 2004 : proceedings. [S.l., 2004]. p. I.1.6-1 - I.1.6-6.

\* Trapido, M., Verssinina, J., Munter, R. Catalytic ozonation as a means for degradation of resistant compounds // Abstracts of the International Conference "Eco-Balt 2004". Riga, 2004. p. 15-16.

\* Trikkel, A., Kuusik, R., Uibu, M. Decomposition and sulphation of calcareous compounds during combustion of Estonian oil shale [Electronic resource] // VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1–4 Sept. 2003 : proceedings. Tallahassee : Florida State University, 2004. [5] p. [CD-ROM].

Tõnsuaadu, K., Borissova, M., Bender, V., Pelt, J. Thermal reactions in synthetic apatite-ammonium sulfate mixture // Phosphorus, sulfur and silicon and the related elements. **179** (2004) 11, p. 2395-2407.

Tõnsuaadu, K., Pelt, J., Borissova, M. Monitoring of the evolved gases by FTIR spectroscopy in apatite-ammonium sulfate thermal reactions // ICTAC 13 : 13<sup>th</sup> International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12–19, 2004 : book of abstracts. [S.l., 2004]. p. 357.

Täht, R. Nisu- ja kaerakliid // Tervispluss (2004) sept., lk. 67.

\* Uibu, M., Kuusik, R., Veskimäe, H. Abatement of CO<sub>2</sub> emission in Estonian energy sector [Electronic resource] // VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1–4 Sept. 2003 : proceedings. Tallahassee : Florida State University, 2004. [5] p. [CD-ROM].

Vaask, S., Pomerlau, J., Pudule, J. et al. Comparison of the Micro-Nutrica Nutritional Analysis Program and the Russian Food Composition Database using data from the Baltic Nutrition Surveys // European journal of clinical nutrition. **58** (2004) 4, p. 573-579.

Vaask, S. Leiva tarbimine Põhja- ja Baltimaades NorBaGreen 2002. a. uuringu andmetel // Rukkileib meie laual on tervis. [Tallinn, 2004]. lk. 21-26.

Vaask, S. NorBaGreen survey : consumption of food groups as dietary indicators for health in Estonia // Food and nutrition = Toit ja toitumine. **12** (2004) p. 5-16.

Vaask, S. NorBaGreen uuring: tervisliku toitumise indikaatoritena käsitletavate toidurühmade tarbimine Eestis // Eesti Arst (2004) 12, lk. 811-816.

Valdna, V. Kui pikk peab olema elektrikatkestus // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 169-170.

Veiderma, M., Tõnsuaadu, K., Peld, M. Impact of anionic substitutions on apatite structure and properties // ICPC2004 : 16<sup>th</sup> International Conference on Phosphorus Chemistry : 4–9 July, Birmingham, UK : programme & abstracts. [S.l., 2004]. p. 66.

#### MAJANDUSTEADUSKOND

\* Veiderma, M. Estonian oil shale – resources, research and usage // Oil Shale – Strategic Significance of America's : proceedings of DOE Technical Review Meeting : February 19–20, 2004, Virginia, USA, [18] p.

Veiderma, M. Kurroli sool // Täppisteaduste ajaloost Eestis : pühendatud Wilhelm Ostwaldi 150. sünniaastapäevale. Tartu : Tartu Ülikooli kirjastus, lk. [145]-150. (Teaduse ajaloo lehekülgi Eestist ; 13).

Veiderma, M. The USA-Estonian co-operation in oil shale research and utilization // Oil shale. **21** (2004) 4, p. 357-360.

\* Verenich, S., Garcia Molina, V., Kallas, J. Lipofilic wood extractives abatement from TMP circulation waters by wet oxidation // Advances in environmental research. **8** (2004) p. 293-303.

Vokk, R., Lanno, R. Ärge ennast grillipeol haigeks sööge // Elukiri (2004) 6, lk. 49-50, 52.

Vokk, R. Lauake, kata end! // Pere ja Kodu (2004) mai, lk. 70-71, 72.

Wienke, J., Krunk, M., Lenzmann, F.  $\text{In}_x(\text{OH})_y\text{S}_z$  as recombination barrier in  $\text{TiO}_2$ /inorganic absorber heterojunctions // Semiconductor science and technology. **18** (2003) p. 876-880.

#### MAJANDUSTEADUSKOND

##### *Raamatud*

Aasma, A. Majandusmatemaatika põhimõisteid ja ülesandeid. [Tallinn] : TTÜ kirjastus, c2004. 150 lk.

Alver, L., Alver, J., Reinberg, L. Finantsarvestus : põhikursus. Tallinn : Deebet, 2004. 429, [5] lk.

Arhipov, V., Kodu, K., Org, A., Viilup, L. (koost.). Majandusõpetuse alused. 2. Harjutused ja ülesanded. Tallinn : Innove, 2004. 71 lk.

Joamets, K., Vasquez, M.C.S. Legal environment of business : textbook. [Tallinn] : TUT Press, c2004. 129 p.

Johansson, J., Pädam, S. Styrmedel för ökad utskrotning av gamla bilar : konsekvenserna av senaste ändringar i skrotningspremierna. Stockholm : Naturvårdsverket, 2004. 137 p. (Rapport / Naturvårdsverket ; 5414).

Juurikas, K., Purju, A., Pädam, S., Rõbakova, J. Keskkonnaökonoomika : õpik. Tallinn, 2004. 184 lk.

Kalle, E. (toim.). Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. 102 lk.

Kannike, S. Praktikum po predmetu "Upravlenie čelovečeskimi resursami". [Tallinn] : TTÜ kirjastus, c2004. 204 lk.

- Karu, S., Zirnask, V. Eelarvestamine – üks strateegilise *controllingu* juurutamise eeldusi organisatsioonis. Tartu : Rafiko, 2004. 350 lk.
- Kerem, K., Keres, K., Randveer, M. Mikroökonomika alused. Tallinn : Külim, 2004. 304 lk. (Majandusraamat ; 2-89).
- Kerem, K., Randveer, M. Mikro- ja makroökonomika põhikursus. 4., parand. ja täiend. tr. Tallinn : Külim, 2004. 158 lk. (Majandusraamat ; 2-91).
- Kerem, K., Vensel, V. (eds.) Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants, 12–19 July 2003, Mexico City. Tallinn, 2004. 259, [1] p. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).
- Kilvits, K. Majanduspoliitika : loengukonspekt. 3., parand., täiend. ja osal. muudetud struktuuriga vlj. Tallinn : TTÜ kirjastus, c2004. 242 lk.
- Kivilo, M., Org, A., Randveer, M. (tlk.). Suur eesti-inglise majandussõnaraamat = Estonian-English dictionary of economics. Tallinn : TEA, 2004. 575 lk. + 1 CD.
- Leimann, J., Rääk, V. Juhtimise konsulteerimine. Tallinn : Külim, c2004. 192 lk. (Majandusraamat ; 2-88).
- Mereste, U. Toimunust & kaasaletust. 2. osa, Meenutusi aastaist 1964–1992. Tallinn : SE&JS, 2004. 727 lk.
- Nuuma, P. Karistusõiguse üldosa : õppevahend. [Tallinn] : TTÜ kirjastus, c2004. 119 lk.
- Oidermaa, E. Ehitus- ja kasutusloa õiguslik reguleerimine. [Tallinn] : TTÜ kirjastus, 2004. 50 lk.
- Oidermaa, E. Planeeringu õiguskorraldus. [Tallinn] : TTÜ kirjastus, c2004. 60 lk.
- Pavelson, M., Karotom, N. Muutuv töö ja teisenev tegija. [Tallinn] : TTÜ kirjastus, c2004. 202 lk.
- Perens, A., Tamm, M., Ugand, K. jt. Eurorahastamise käsiraamat. Tallinn : Äripäeva kirjastus, 2004. Eraldi pagin. (Äripäeva käsiraamat).
- Pungar, E.-T. Teatmik majandusmatemaatika õppijale. 4, Lineaarne planeerimine. [Tallinn] : TTÜ kirjastus, c2004. 51 lk.
- Pädam, S., Johansson, J., Johansson, U. Bilförmåner påverkar utsläpp av koldioxid från bilar . Stockholm : Naturvårdsverket, 2004. 85 p. (Rapport / Naturvårdsverket ; 5381).
- Saat, M. Suriija üksildusest : esseed. Tallinn : Tuum, c2004. 108 lk.
- Sörg, M., Vensel, V. (eds.). Integration of financial sectors of Baltic States into the European Union: challenge and experience : collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. 361 p.
- Vainu, J., Vensel, V. Korrelatsioon- ja regressioonanalüüs : dünaamilised kogumid. [Tallinn] : TTÜ kirjastus, 2004. 122 lk.

MAJANDUSTEADUSKOND

Venesaar, U., Hinnoaar, M., Luuk, M., Marksoo, Ü. Pikaajaline töötus Eestis. Tallinn, 2004. 144, [1] lk.

Üksvārav, R. Organisatsioon ja juhtimine. 3., täiend. tr. [Tallinn] : TTÜ kirjastus, 2004. 473 lk.

**Artiklid**

Aarma, A., Vainu J. Using econometric models for forecasting the amount of the banking services // Emerging markets : social, political, and economic challenges. Volume 2. Łódź : University Press of Łódź, 2004. p. 431-435.

Aarma, A., Vainu, J., Vensel, V. Estonian banking system development, 1994–2002 // The business review, Cambridge. 2 (2004) 2, p. 56-62.

\* Aarma, A., Vainu, J. Bank information segmentation // Proceedings of international scientific conference : Problems of the Economy Development in the Russian Enclave. Kaliningrad Region as a Pilot Region of Cross-Border Co-operation of Russia, the Baltic States, and Eastern Europe. Experience and perspectives. Kaliningrad : Kaliningrad University Press, 2004. p. 6-11.

Aarma, A., Vainu, J. Econometric models of Estonian banking system's development // Navigating Crisis and Opportunities in Global Markets : Leadership, Strategy and Governance : international conference : Cape Town, South Africa, June 8–12, 2004 : readings book. [S.l.] : Global Business and Technology Association, 2004. p. 886-891.

Aarma, A., Vainu, J. Eesti panganduse tootmisfunktsioonid // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 9-11.

Aarma, A., Vainu, J. Possibilities of using econometric models in bank analysis // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(QUM) No. 04/105, p. 25-30. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Aarma, A., Vainu, J. Possibilities of using econometric models in bank analysis // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 1. [S.l., 2004]. p. 79-84.

\* Aarma, A., Vensel, V. Financial analysis of banks is methodology and the Estonian case // Proceedings of international scientific conference : Problems of the Economy Development in the Russian Enclave. Kaliningrad Region as a Pilot Region of Cross-Border Co-operation of Russia, the Baltic States, and Eastern Europe. Experience and perspectives. Kaliningrad : Kaliningrad University Press, 2004. p. 12-17.

Ahermaa, E. Estonian excise policy on the threshold of the European Union : (based on cigarette policy) [Electronic resource] // Baltic journal of economics. 4 (2003)



Autumn/Winter, p. 121-129. Saadaval võrguväljaandena: [http://www.eurofaculty.lv/BJE\\_Autumn\\_Winter\\_2003.pdf](http://www.eurofaculty.lv/BJE_Autumn_Winter_2003.pdf).

\* Alver, J. Concepts of preparing the cash flow statements // LU 62. konference. Gramatvedibas un audita sekcijas referati. Riga : Gramat-vedibas instituts, 2004. p. 6-8.

Alver, J. Eelisaktsiate kajastamisest, ehk, Milles Raamatupidamise Toimkond ja PricewaterhouseCoopers eksivad ja eelmisel Raamatupidamise Toimkonnal siiski õigus oli // Raamatupidamisuudised (2004) 4, lk. 35-40.

Alver, J. Juhtimise täppisajastuse kontseptsioonist // Raamatupidamisuudised (2004) 1, lk. 48-51.

Alver, J. Kulude jaotamine // Raamatupidamisuudised (2004) 6, lk. 23-27.

Alver, J. Preferred shares: equity or liability? // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. p. 48-60.

\* Alver, J. Preparation of cash flow statements and analysis of cash flow data: some problems and solutions // The 27<sup>th</sup> Annual Congress of the European accounting Association : 1-3 April 2004, Prague, Czech Republic : programme and collected abstracts. Prague, 2004. p. 202.

Alver, J. Sihtkalkuleerimine // Raamatupidamisuudised (2004) 5, lk. 17-23.

Alver, J. Täppisajastussüsteem ja selle allsüsteemid // Raamatupidamisuudised (2004) 2, lk. 30-33.

Alver, J. Täppisajastussüsteem : rakendamisest saadav kasu ja kaasnevad ohud // Raamatupidamisuudised (2004) 3, lk. 29-34.

Alver, J. Täppisajastussüsteemi mõju kuluarvestusele, finantsaruannetele ja finants-suhtarvudele // Raamatupidamisuudised (2004) 4, lk. 29-34.

Alver, J. Ühiskulude jaotamine // Raamatupidamisuudised (2004) 7, lk. 17-23.

Alver, L., Alver, J. Debitoorne lühivõlg // Raamatupidamisuudised (2004) 7, lk. 28-33.

Alver, L., Alver, J. Ostjate arvete kajastamine bilansis ja kasumiaruandes // Raamatupidamisuudised (2004) 8, lk. 35-42.

Alver, L. Kasumiaruanne // Raamatupidamisuudised (2004) 6, lk. 48-54.

Alver, L. Raamatupidamisbilans // Raamatupidamisuudised (2004) 5, lk. 45-48.

Alver, L. Buhgalterskij balans // Buhgalterskie novosti (2004) 8, lk. 23-26.

Ausmees, H. Metafoor kui innovaatiliste muudatuste käivitaja // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 5-11.

Ausmees, H. Organisatsiooni ja juhtimise valdkonna paradigma ja selle muutumine sõltuvalt edu-uskumusest // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.-31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. lk. 30-35.

\* Bradley, J., Casc, J., Kangur, A., Lubenets, N. HERMIN: a macro model framework for the study of cohesion and transition // Integration, growth and cohesion in an enlarged European Union. London : Springer, 2004. p. 207-241.

\* Bradley, J., Kangur, A., Lubenets, N. Macro impact evaluation of national development plans: Ireland and Estonia // Integration, growth and cohesion in an enlarged European Union. London : Springer, 2004. p. 243-274.

Dubauskas, G., Kowalski, T., Uiboupin, J., Vensel, V. Impact of foreign banks' entry into the CEE banking market: comparative empirical evidence // Integration of financial sectors of Baltic States into the European Union: challenge and experience : collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. p. 337-361.

Fainštein, G. Development of industrial location in Estonia during the integration into the EU // Emerging markets : social, political, and economic challenges. Volume 2. Łódź : University Press of Łódź, 2004. p. 413-429.

Fainštein, G., Lubenets, N. Economic integration and regional specialisation development in Estonia // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(INE) No 04/106, p. 31-46. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Fainštein, G. Regional industrial development during the integration into the EU : the case of Estonia // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 338-351.

Hartšenko, J. The effect of European integration to payment intermediation in Baltic countries // Emerging markets : social, political, and economic challenges. Volume 2. Łódź : University Press of Łódź, 2004. p. 297-304.

Hartšenko, J. Development of retail payment instruments in transition countries : the case of Baltic countries // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 246-259.

Hartšenko, J. Euro and financial operators // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. p. 143-149.

Hartšenko, J. Payment intermediation in transition countries: the case of Baltic countries // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(BFE) No. 04/107, p. 47-62. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Hartšenko, J. Payment intermediation in the Baltic Countries // Integration of financial sectors of Baltic States into the European Union: challenge and experience :

collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. p. 235- 252.

Ilsjan, V. Property valuers as business consultants in Estonia in globalising economy // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. p. 36-45.

Jaamu, V., Vensel, V. Bank performance and efficiency in a small open economy on the threshold of the European Union // European culture in a changing world : between nationalism and globalism. London : Cambridge Scholars Press, 2004. p. 56-66.

Jaamu, V. The development - and crises management of the banking sector // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 1. [S.l., 2004]. p. 70-78.

Jumpponen, J., Liuhto, K., Sörg, M., Vensel, V. Banks' internationalization: Estonian and Russian banks' expansion to the foreign markets // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(BFE) No. 04/109, p. 79-102. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Jumpponen, J., Liuhto, K., Sörg, M., Vensel, V. Estonian and Russian banks' expansion to the foreign markets // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 303-324.

Juurikas, K. Hiidlaste ja läänlaste igapäevaste liikumiste kaardimudelid // Akadeemia (2004) 6, lk. 1383-1396.

Kadak, T. Kuluarvestussüsteemidest arvestuse arengu valguses // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. lk. 66-71.

Kaldaru, H., Kerem, K. Economic development, social capital and welfare state // Emerging markets : social, political, and economic challenges. Volume 1. Łódź : University Press of Łódź, 2004. p. 123-151.

Kaldaru, H., Kerem, K., Võrk, A. Health as factor of economic growth: the Estonian case // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(MME) No. 04/110, p. 103-115. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Kalle, E. Ettevõtte tootlikkuse tegurite määratlemise ja klassifitseerimise võimalused // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. lk. 46-52.

MAJANDUSTEADUSKOND

Kalle, E. Kvaliteedi ja tootlikkuse õpetamisest kõrgkoolis // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 25-28.

Kalle, E. Tootlikkus kui innovaatiline kompleksprobleem // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 12-18.

Kalle, E. Tootlikkuse kasvu sõlmküsimused Eestis // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 25-26.

Kannike, S. Sovremennye tendencii razvitija ypravlenčeskoj kar'ery // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 85-102.

Karma, T. Eesti neoliberaalse ühiskonnapoliitika perspektiivid Euroopa Liidu ja üldise globaliseerumise kontekstis // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 61-70.

Karma, T. Personaliseeritud heaolu eeldused industriaalühiskonna muutumisel riskiühiskonnaks // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 29-32.

Karotom, N. Paindlikkus ja individualiseerimine tööandja ja töövõtja käitumises // "Eesti Euroopas : uued väljakutsed sotsiaalteadlastele" : Eesti sotsiaalteaduste V aastakonverents : 12.–13. novembril 2004 Tartus : annotatsioonikogumik. Tartu, 2004. lk. 52-53.

Karotom, N. Tööd jääb vähemaks // Haridus (2004) 6/7, lk. 6-9.

Karotom, N. Uue töökäitumise väärtus ja hind // Eesti sotsiaalteaduste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik. Tallinn : TPÜ kirjastus, 2004. lk. 262-264.

Karu, S. Strateegiliste majandusnäitajate mõõtmine Eesti ettevõtetes // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 556-563.

Kattai, R., Kerem, K., Keres, K., Randveer, M. Fiscal policy as a determinant of consumption expenditure: the Estonian case // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(MME) No. 04/111, p. 117-138. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Kerem, K., Kaldaru, H., Võrk, A. Health as a factor of economic growth : the Estonian case // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 278-289.

Kerem, K., Keres, K., Randveer, M., Kattai, R. Fiscal policy as a determinant of consumption expenditure : the Estonian case // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 1. [S.l., 2004]. p. 142-163.

Kerem, K., Laugen, K. Estonian consumers' attitudes towards environmentally friendly products // Integrative approaches towards sustainability in the Baltic Sea Region. Frankfurt am Main : Peter Lang, 2004. p. 403-410. (Environmental education, communication and sustainability ; 15).

Kerem, K., Listra, E., Rahu, K. Market efficiency and rational expectations // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(MME) No. 04/112, p. 139-152. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Kerem, K., Listra, E., Rahu, K. Market efficiency and rational expectations // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 352-364.

Kerem, K., Püss, T., Viies, M. Convergence of health care expenditure in CSE countries to EU-15 average level // Emerging markets : social, political, and economic challenges. Volume 2. Łódź : University Press of Łódź, 2004. p. 493-511.

Kerem, K., Püss, T., Viies, M. The convergence of health care expenditure in EU [Electronic resource] // New Europe 2020 – Visions and Strategies for Wider Europe : 27–28 August 2004, Turku, Finland. Turku, 2004. 18 p. [CD-ROM].

\* Kerem, K., Vensel, V. Operation of business supporting networks: theory and empirics [Electronic resource] // Proceedings of the 4<sup>th</sup> Annual Hawaii International Conference on Business : June 21–24, 2004, Honolulu, Hawaii. Honolulu, 2004. [CD-ROM].

\* Kilvits, K., Purju, A. Estonian outward foreign direct investments; sources, structure and targets // New Europe 2020 – Visions and Strategies for Wider Europe : book of abstracts. Turku, 2004. Internetis saadaval: [http://www.tukkk.fi/pei/NewEurope/SessionA2/Kilvits\\_Purju.pdf](http://www.tukkk.fi/pei/NewEurope/SessionA2/Kilvits_Purju.pdf).

Kilvits, K. Some general tendencies in world industry // Transatlantic cooperation? : Europe, America & the Baltics : political & economic relations : the proceedings of the Third Annual Conference of Audentes University, 29–30 April 2004. Tallinn : Audentes University, 2004. p. 75-82.

Kilvits, K. Teadmistepõhine majandus // Riigikogu Toimetised. **10** (2004) lk. 25-30.

Kirikal, L. Malmquist indexes of productivity change in Estonian banking? // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koostöökongressi

MAJANDUSTEADUSKOND

ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. p. 564-573.

Kirikal, L. Malmquist indexes of productivity change in Estonian banking // Integration of financial sectors of Baltic States into the European Union: challenge and experience : collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. p. 253-265.

Kitzmann, H. The measurement of success in enterprises // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. p. 60-66.

Kitvel, E. ESA rahandussuhtarvud Euroopa Liidu aruandluse alusel // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. lk. 135-146.

\* Kolbre, E., Luts, T. The problems of estimating market value in a small real estate market: the case of Estonia [Electronic resource] // 11<sup>th</sup> European Real Estate Society Conference, 3–5 June 2004, Milan, Italy. Milan : University of Milan, 2004. [CD-ROM].

Kolbre, E., Venesaar, U. Ettevõtlusse kaasatud kapitali efektiivsus // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 19-35.

Koslov, V. Valikute aeg // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 33-35.

Kowalski, T., Kraft, E., Mullineux, A., Vensel, V., Wihlborg, C. What makes bankruptcy law work? Foreign bankers' perceptions in Croatia, Estonia and Poland // Integration of financial sectors of Baltic States into the European Union: challenge and experience : collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. p. 317-335.

Kristjuhan, Ü., Taidre, E. Design of a university teacher's professional career // Human factors in design : HFES Europe chapter. Maastricht : Shaker Publishing, 2004. p. 245-249.

Kristjuhan, Ü., Taidre, E. Vanusejuhtimine kõrgkoolis // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 53-54.

Kristjuhan, Ü., Taidre, E. Work ability and health of older academics // 2<sup>nd</sup> International Symposium on Work Ability : ICOH : Assessment and Promotion of Work Ability, Health and Well-being of Ageing Workers : 18–20 October 2004, Verona, Italy : book of abstracts. [S.l., 2004]. p. 51.

\* Kristjuhan, Ü. Analysis of preventive OHS services : organization and coverage of workers in Estonia // Joint OSH Strategy for the Enlarged Europe : proceedings of the ETUC-TUTB Conference : 30–31 January 2004. Brussels, 2004. p. 83-87.

Kristjuhan, Ü. Computer as a tool in postponing aging // First Central European International Multimedia and Virtual Reality Conference : Veszprem, Hungary, 6–8 May 2004. Veszprem : Veszprem University Press, 2004. p. 95-100.

Kukrus, A., Kaabel, J. Effective protection against unfair competition in the enlarging European Union // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. p. 71-78.

Kukrus, A. Küberkuritegevuse tõkestamine infoühiskonnas // Riigikogu Toimetised. **9** (2004) lk. 101-108.

Kukrus, A. Küberruum ja muutuv maailm // A & A (2004) 6, lk. 5-7.

Kukrus, A. Tarkvara õiguskaitse aktuaalseid probleeme digitaalses maailmas // A & A (2004) 6, lk. 26-33.

Kull, K. The model of Internet-based marketing communication // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. p. 62-77.

Leemet, A., Paadam, K. Kadriorg, Tallinn // New ideas for neighbourhoods in Europe : handbook. [S.l.] : TUT Press, c2004. p. 16-22.

\* Leimann, J. Elintaso nousuun EU:n tuella // LIFIM (2004) 2, s. 16-17.

Lend, E., Reinhold, V. Logistika roll innovatsiooni juhtimises // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. lk. 94-108.

Lend, E., Uustalu, A.-M. Innovatsioonist Lääne-Eesti saarte transpordiühenduses // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 36-49.

Lend, E. Eesti roll Läänemere piirkonna transpordikoridoride arengus – kas senine edu on tulevane nõrkus? // Tallinna Tehnikakõrgkooli Toimetised. **4** (2004) lk. 31-41.

\* Leppiman, A., Tulva, T. Über Entwicklung und Probleme der selbständig gewordenen Sozialarbeit und die Ausbildung von Sozialarbeitern im sich veränderten Estland // Ausbildung für soziale Berufe in Europa. Band 1, Mit Beiträgen über Island, Estland, Litauen, Grossbritannien, Deutschland, Österreich, Serbien, Türkei und Portugal. Frankfurt am Mein : ISS-Eigenverlag, 2004. S. 18-28.

Leppiman, A. Projekti "Argipäevad" toimetulekulaager riskiperedele sotsiaalse toe ja õppimiskeskonnana // Interdistsiplinaarsus sotsiaal- ja kasvatusteadustes. Tallinn : TPU kirjastus, 2004. lk. 253-266.

\* Leppiman, A. Social support for the families in the example of multi-cultural project "Weekdays" [Electronic resource] // Sustainable Development. Culture. Education : 2<sup>nd</sup> international conference. Tallinn : Tallinna Pedagoogikaülikooli kirjastus, 2004. [CD-ROM].

Listra, E. Development of the financial sector in Estonia // Integration of financial sectors of Baltic States into the European Union: challenge and experience :

MAJANDUSTEADUSKOND

collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004]. p. 169-189.

Lumiste, Rein, Lumiste, Rünno, Kilvits, K. Estonian manufacturing SMEs innovation strategies and development of innovation networks [Electronic resource] // 13<sup>th</sup> Nordic Conference on Small Business Research : June 10–12, 2004. Tromsø : University of Tromsø and Norwegian School of Management BI, 2004. p. 1-14. [CD-ROM].

Lutsoja, K., Lutsoja, M. The main changes in financial behaviour of firms in transition economy: an Estonian case // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(BFE) No. 04/113, p. 153-169. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Lutsoja, K., Lutsoja, M. The main changes in financial behaviour of firms in transition economy : an Estonian case // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 365-380.

Lõokene, I., Murdsalu, L. Reformimised riigiraamatupidamises // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. lk. 128-135.

Maspanov, I., Käbin, K. Organisatsiooni riskijuhtimise tulevikusuunad ja siseauditi roll selles // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. lk. 122-128.

Maspanov, I. Siseauditi roll muutuv majanduskeskkonnas // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 66-68.

Meel, M., Saat, M. Kuidas aitaks alternatiiv-etiika rikastada ärietiikat // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 50-56.

Mereste, U. Uno Mereste : [intervjuu] // Kapital : Tartu Ülikooli majandusteaduskond : arengulood. [Tallinn] : Tänapäev, c2004. lk. 31-54.

Miina, A. Paindlik tootearendus läbi tehniliste muudatuste haldamise süsteemi // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 57-64.

Nuuma, P. Kohtud ja võimude lahusus // Riigikogu Toimetised. 9 (2004) lk. 143-145.

Oidermaa, E. Ehituspoliitika ja Eesti ehitusseadusandluse areng Euroopa Liiduga liitumise kontekstis // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 461-471.

Org, A. Tööturu käsitluste arengust Eestis // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 30-31.



- \* Paadam, K. From institutions to individuals and back to institutions // *Neighbourhood Housing Debate*. Milan : Franco Angeli, 2004. p. 168-181.
- Paadam, K. Individuaalne suutlikkus ja kollektiivne kapital // "Eesti Euroopas : uued väljakutsed sotsiaalteenuste jaoks" : Eesti sotsiaalteenuste V aastakonverents : 12.–13. novembril 2004 Tartus : annotatsioonikogumik. Tartu, 2004. lk. 64.
- Paadam, K. Kuidas sünnib ja muutub eluviis? = Origins and changes of a lifestyle // *Ehituskunst = Estonian architectural review*. **39/40** (2004) lk. 30-40.
- Paadam, K. National housing context // *New ideas for neighbourhoods in Europe : handbook*. [S.l.] : TUT Press, c2004. p. 11-15.
- Paadam, K. Riskid eluasemeväljal, kodutus ja subjektsus // *Eesti sotsiaalteenuste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik*. Tallinn : TPÜ kirjastus, 2004. lk. 264-267.
- Paadam, K. Täheanded ja faktid: eneseesitus eluasemelugudes // *Eesti sotsiaalteenuste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik*. Tallinn : TPÜ kirjastus, 2004. lk. 128-130.
- Pavelson, M. Eestivenelased: kas rahvus- või tööpoliitika sihtrühm? // *Eesti sotsiaalteenuste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik*. Tallinn : TPÜ kirjastus, 2004. lk. 227-229.
- Pavelson, M. Kalamaja, Tallinn // *New ideas for neighbourhoods in Europe : handbook*. [S.l.] : TUT Press, c2004. p. 23-29.
- Pavelson, M. Muutuv töötaja // *Haridus* (2004) 6/7, lk. 10-12.
- Pavelson, M. Sobiv või vastuvõetav : töövõtja personalivaliku protsessis // "Eesti Euroopas : uued väljakutsed sotsiaalteenuste jaoks" : Eesti sotsiaalteenuste V aastakonverents : 12.–13. novembril 2004 Tartus : annotatsioonikogumik. Tartu, 2004. lk. 53.
- Pavelson, M. Tegija valikud: otsimine või kohanemine? // *Eesti sotsiaalteenuste aastakonverents IV : 24.–25. november 2003 : ettekannete ja teeside kogumik*. Tallinn : TPÜ kirjastus, 2004. lk. 267-270.
- Pavelson, M. Work, income and coping : socio-economic background of integration // *Proceedings of Conference "Multicultural Estonia" : October 24–25, 2002, Tallinn, Estonia*. Tallinn : Integratsiooni Sihtasutus, 2004. p. 88-102.
- \* Purju, A., Dedegkajeva, I., Soosaar, R. The role and share of transit in the Estonian economy // *Studies in industrial engineering and management / Lappeenranta University of Technology*. Lappeenranta, 2004. p. 285-293.
- \* Purju, A., Pädam, S., Müür, M. Bridging research and policy: how much policy makers rely on research results? Some evidences from Estonia // *Working Paper / Turku School of Economics and Business Administration*, 2004. 27 p.
- Purju, A. Heaoluökonomika ja heaolu mõiste // *Sotsiaaltrendid*. **3** (2004) lk. 6-8.
- Purju, A. Majandusleksikon : [U.Mereste Majandusleksikon I, II arvustus] // *Akadeemia* (2004) 5, lk. 1160-1163.

MAJANDUSTEADUSKOND

\* Purju, A. Tax reforms in the Baltic States and international tax competition // Beyond transition : development perspectives and dilemmas. 11. [S.l.] : Ashgate Publishing Ltd, 2004. p. 162-168.

\* Purju, A. The institutional framework and trade pattern of the Baltic States after EU membership in trade with the CIS // Turku School of Economics and Business Administration, Series C : discussion. Turku, 2004. [20] p.

Purju, A. [Majanduskasv ja heaolu] // Sotsiaaltrendid. 3 (2004) lk. 9-11.

\* Põlajeva, T., Vensel, V., Karma, T. Bureucracy, law making and law mechanism : Empirical Evidence from the Baltic sea Region Countries [Electronic resource] // International Conference : Enlargement of the European Union : What are the Stakes and Potential : Lille, (France), 9–10 December 2004. Lille : University of Lille, 2004. 30 p. [CD-ROM].

\* Põlajeva, T., Vensel, V. Bureucracy, law making and law enforcement mechanism: empirical results from the Baltic Sea Region countries // Mirovaja èkonomika i biznes-administrirovaniè. Minsk, 2004. lk. 8-12.

\* Põlajeva, T., Vensel, V. Business environment quality and entrepreneurship development in the Baltic Sea Region // Proceedings of international scientific conference : Problems of the Economy Development in the Russian Enclave. Kaliningrad Region as a Pilot Region of Cross-Border Co-operation of Russia, the Baltic States, and Eastern Europe. Experience and perspectives. Kaliningrad : Kaliningrad University Press, 2004. p. 198-202.

Põlajeva, T., Vensel, V. Government agencies' behavior and their influence on the quality of business environment // Emerging markets : social, political, and economic challenges. Volume 2. Łódź : University Press of Łódź, 2004. p. 331-356.

Põlajeva, T. The Baltic University Programme – an example of the Baltic Sea region cooperation // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. p. 82-84.

\* Põlajeva, T. The Baltic University Programme – an example of cooperation in education // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. p. 60-62.

\* Raim, J. Former Soviet Union as the world champion in cheapness // Society and consumption : economic-managerial and social-cultural factors. Kaunas, 2004. p. 39-41.

\* Raim, J. Former Soviet Union as the world champion in cheapness : lessons for economic policy // Proceedings of international scientific conference : Problems of the Economy Development in the Russian Enclave. Kaliningrad Region as a Pilot Region of Cross-Border Co-operation of Russia, the Baltic States, and Eastern Europe. Experience and perspectives. Kaliningrad : Kaliningrad University Press, 2004. p. 208-213.

Raim, J. The alternative to the existing system of the concepts about purchasing power parity deviations – derived from the Estonian experience // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(MME) No. 04/115, p. 185-198. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Raim, J. The improvements of the existing system of the concepts about PPP deviations – derived from the Estonian experience // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 290-302.

Raju, M., Mitt, E. Majandussurutis sunnib jaapanlasi uutmoodi juhtima // Saldo (2003) 3, lk. 22-23.

Randveer, A., Randveer, M. Sectoral convergence // European culture in a changing world : between nationalism and globalism. London : Cambridge Scholars Press, 2004. p. 46-55.

Reinhold, K., Tint, P. Improvement of chemical safety in Estonia [Electronic resource] // Tools for the Application of European Directives on Health at the Workplace. The Example of Chemical Risk : 8<sup>th</sup> International Symposium of ISSA Research Section, Athens (Greece) 19–21 May 2003 : proceedings. Maioc, c2004. [6] p. [CD-ROM].

Reinhold, K. Õmblustööstuse töökeskkonna hindamine lihtsa riskianalüüsi meetodi alusel // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 35-36.

Rillo, M. Limitations of balanced scorecard // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. p. 155-161.

Siirak, V. Computer based learning as an effective tool for prevention of chemical risks [Electronic resource] // Tools for the Application of European Directives on Health at the Workplace. The Example of Chemical Risk : 8<sup>th</sup> International Symposium of ISSA Research Section, Athens (Greece) 19–21 May 2003 : proceedings. Maioc, c2004. [CD-ROM].

\* Siirak, V. New challenges for human factors and ergonomics education in technical universities [Electronic resource] // Proceedings of the WorkCongress6 : 6<sup>th</sup> International Congress on Work Injuries, Prevention, Rehabilitation and Workers Compensation : 30 November – 3 December 2004 : Rome, Italy. Rome : INAIL Directorate of Communication, 2004. 5 p. [CD-ROM].

Smallbone, D., Venesaar, U. The SME sector in Estonia at the time of EU accession [Electronic resource] // 13<sup>th</sup> Nordic Conference on Small Business Research : June

MAJANDUSTEADUSKOND

10–12, 2004. Tromsø : University of Tromsø and Norwegian School of Management BI, 2004. p. 1-19. [CD-ROM].

\* Smallbone, D., Venesaar, U. The strenghts and weaknesses of Estonian SMEs in the context of an enlarged Europe [Electronic resource] // *Managing Comlexity and Change in SMEs : RENT XVIII*, Copenhagen, Denmark, November 25–26, 2004 : conference programme and abstracts. Copenhagen : Holmen Centertryk, 2004. p. 172 [CD-ROM].

\* Sokolov, D. Electronic banking in Estonia : development aspects and risks // *eAdoption and the knowledge economy : issues, applications, case studies. Part 1*. Amsterdam : IOS Press, 2004. p. 507-513.

Sokolov, D. Muutused makromajandusstatistikas Euroopa Liiduga liitumisel valimissektori finantsstatistika näitel // *Statistika majanduses ja majandusteaduses*. Tallinn : Statistikaamet, 2004. lk. 34-37. (Eesti Statistikaseltsi teabevihik ; 14).

Soone, I. Differentiating for loyalty // *Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid* : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. p. 190-206.

Soone, I. Efektiivseks mitte alla jääda : ülesanne lugejale: pane õigesti pealkirjas puuduvad kirjavahemärgid // *Director* (2004) 1, lk. 28-31.

Soone, I. Kus viga näed laita, seal tule ja laida! // *Director* (2004) 1, lk. 32-35.

Soone, I. Tähelepanu, valmis olla, innovatsioon!, ehk, Miks Eesti ettevõtted ei ole innovaatilised? // *Äritegevuse innovaatika*. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 65-72.

Sults, M. Credit constrained households in Estonia // *Emerging markets : social, political, and economic challenges. Volume 2*. Łódź : University Press of Łódź, 2004. p. 563-570.

Sults, M. Household borrowing behavior in Estonia // *Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2*. [S.l., 2004]. p. 260-264.

Sõrg, M., Uiboupin, J., Varblane, U., Vensel, V. The internationalization of Estonian banks : inward versus outward penetration // *Financial markets in Central and Eastern Europe : stability and efficiency perspectives*. London : Routledge, c2004. p. 251-290. (Routledge studies in the European economy).

\* Sõrg, M., Uiboupin, J., Vensel, V. Motives and impact of foreign banks' entry in CEE countries : comparative empirical study [Electronic resource] // *The 2004 International Applied Business Research Conference : San Juan, Puerto Rico, March 15–19 2004*. [CD-ROM].

Špiljov, A. Perspektivy Èstonii v ES v svete konceptsii meždunarodnoj trgovli // *Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid* : EABC 15. aastapäevale

pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 23-24.

Žovnikova, J. Some problematic issues in public sector financial reporting in Estonia // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. p. 174-188.

Taaler, J. Tegevuspõhise kuluarvestuse teoreetilis-praktilistest probleemidest tootmis- kulude arvestuses // Majandusarvestuse aktuaalsed probleemid äri- ja avalikus sektoris : 23.04.2004 : konverentsikogumik. Tallinn, c2004. lk. 189-201.

Teder, J. Ettevõtlusaktiivsus ja seda mõjutavad tegurid // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 121-123.

Teder, J. Väike- ja keskkettevõtete osakaalust majanduses ning ettevõtluspoliitika rollist ettevõtlusalase aktiivsuse toetamisel // Äritegevuse innovaatika. 4. [Tallinn] : TTÜ kirjastus, c2004. lk. 73-84.

\* Tint, P., Kiivet, G., Reinhold, K. Improvement of the safety culture at Estonian enterprises // Hazards XVIII : Process Safety - Sharing Best Practice : 22–25 November 2004, UMIST, Manchester, UK. Manchester : Institution of Chemical Engineers North West Branch, 2004. p. 122-131.

Tint, P., Reinhold, K., Tuulik, V. Risk assessment of chemicals affecting the central nervous system // Human factors in design : HFES Europe chapter. Maastricht : Shaker Publishing, 2004. p. 251-254.

Tint, P., Tuulik, V. Avoiding chemical stress from organic solvents [Electronic resource] // Tools for the Application of European Directives on Health at the Workplace. The Example of Chemical Risk : 8<sup>th</sup> International Symposium of ISSA Research Section, Athens (Greece) 19–21 May 2003 : proceedings. Maioc, c2004. [6] p. [CD-ROM].

Tint, P. Eesti töökeskkonna kvaliteet aastal 2003 ja töötajate töötingimuste parandamine // Eesti Vabariigi ja ärihariduse aktuaalsed arenguprobleemid : EABC 15. aastapäevale pühendatud teaduslik-praktilise konverentsi materjalid. Tallinn : Eesti-Ameerika Ärikolledž, 2004. lk. 39-40.

Tomson, L. Mustamäe, Tallinn // New ideas for neighbourhoods in Europe : handbook. [S.l.] : TUT Press, c2004. p. 30-34.

Vainu, J. New approach to constructing of factor indices // Navigating Crisis and Opportunities in Global Markets : Leadership, Strategy and Governance : international conference : Cape Town, South Africa, June 8–12, 2004 : readings book. [S.l.] : Global Business and Technology Association, 2004. p. 892-895.

Vainu, J. Uuest lähenemisest teguriindeksite konstrueerimisele // Statistika majanduses ja majandusteaduses. Tallinn : Statistikaamet, 2004. lk. 25-29. (Eesti Statistika-seltsi teabevihik ; 14).

MAJANDUSTEADUSKOND

Venesaar, U., Kolbre, E. The role of trust in business relations in Estonia // Ettevõtte globaliseeruvus majanduses : II teadus- ja koolituskonverentsi ettekanded-artiklid : (Pärnu, 30.–31. jaanuar 2004). Tallinn ; Pärnu : Mattimar, 2004. p. 244-253.

Venesaar, U., Luuk, M. The nature, impact and consequences of long-term unemployment in Estonia // Labour Market Research in Estonia : papers of the Research Seminar, Tallinn, May 9, 2003. [Tallinn] : Bank of Estonia, 2004. p. 143-184.

\* Venesaar, U. Trust and entrepreneurial behavior in Estonia // Forschungsstelle Osteuropa. **57** (2004) p. 6-70.

Venesaar, U. Töökohtade ümberpaiknemine ettevõtetes ja ettevõtluspoliitika // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 611-618.

Vensel, V. Some banks' corporate governance issues: the case of Croatia, Estonia and Poland // Ekonomiczne i społeczne problemy nadzoru korporacyjnego. Łódź : Wydawnictwo Uniwersytetu Łódzkiego, 2004. p. 487-504.

Vensel, V. After two banking crises: Estonian banking system performance analysis, 1994–2002 // Integration of financial sectors of Baltic States into the European Union: challenge and experience : collection of papers. [Tallinn] : Faculty of Economics and Business Administration (FEBA) [at] Tallinn University of Technology, [2004], p. 291-314.

Vensel, V. Business supporting social networks : evidence from an EU candidate country // Proceedings of the COPE 2003 : "Global Business: Economic, Political, Social, and Cultural Issues" : Congress of Political Economists (COPE) International Conference : the Fourteenth Annual International Conference : July 12–19, 2003 : Mexico City, Mexico. Volume 2. [S.l., 2004]. p. 325-337.

Vensel, V. Economic aspects of sustainability: internationalisation of the financial services sector in Baltics // Integrative approaches towards sustainability in the Baltic Sea Region. Frankfurt am Main : Peter Lang, 2004. p. 393. (Environmental education, communication and sustainability ; 15).

Vensel, V. Estonian banking on the threshold of joining the European Union // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. p. 154-156.

Vensel, V. FDI into banking sectors of some EC candidate countries : comparative empirical evidence // European research on foreign direct investment and international human resource management. Vaasa : Vaasan yliopisto, 2004. p.131-150. (Vaasan yliopiston julkaisuja : selvityksiä ja raportteja ; 112).

Vensel, V. Majanduspoliitika ja -statistika: kas nad on omavahel seotud? // Eesti majanduspoliitilised perspektiivid Euroopa Liidus : XII teadus- ja koolituskonverentsi ettekanded-artiklid : (Tartu-Värska, 1.–3. juuli 2004). Berlin ; Tallinn : Mattimar, 2004. lk. 115-122.

Vensel, V. Operation of business supporting networks: evidence from an EU candidate country // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(BFE) No. 04/117, p. 221-234. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Vensel, V. Tänapäeva majandusstatistika probleeme // Statistika majanduses ja majandusteaduses. Tallinn : Statistikaamet, 2004. lk. 7-15. (Eesti Statistikaamet teabevihik ; 14).

Üksvärav, R. Kuldsed kuuekümmendad TPI-s // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 34-40.

Üksvärav, R. Kuldsed kuuekümmendad TPIs // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 77-84.

## MATEMAATIKA–LOODUSTEADUSKOND

### *Raamatud*

Aas, T., Harvig, V., Johani, T. Tallinna Tähetorni kalender. Tallinn : Tallinna Tehnikaülikool, 2004. 43 lk.

Aro, R., Jõgi, A., Laul, E., Viigi, J. (toim.). Torma Album. IV. Tallinn : Tormalaste Kodupaigatühendus, 2004. 208, [3] lk.

Johani, T., Aas, T., Harvig, V. Väike Tallinna taevakalender 2003. Tallinn : Zodiaak, 2003. [28] lk.

Jõgi, T., Kõiv, H. (koost.). Valemid ja teoreemid matemaatika riigieksamiks valmistujale. 2. täiend. tr. Tallinn : Tallinna Tehnikaülikool, 2004. 94 lk.

Kanger, T., Laasik, M. (koost.). Orgaanilise keemia praktikum : laboratoorsed tööd I. [Tallinn] : TTÜ kirjastus, [2004]. 50 lk.

Kanger, T., Laasik, M. (koost.). Orgaanilise keemia praktikum : laboritehnika. [Tallinn] : TTÜ kirjastus, c2004. 54 lk.

Kask, M., Loitve, M. (koost.). Elamu : metoodiline juhend. Tallinn, 2004. 15 lk.

Kogermann, E., Paluver, N., Vallas, E. Kujutava geomeetria erikursus ehituserialadele : harjutusülesanded. Tallinn, 2004. 24 lk.

Kõiv, H., Jõgi, T. (koost.). Vastustega matemaatika ülesannete kogu riigieksamiks valmistujale. 2. täiend. tr. Tallinn, 2004. 201 lk.

Nõmm, S. Realization and identification of discrete-time nonlinear systems. [Tallinn] : TUT Press, c2004. 153 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 27).

Paal, E. Lineaaralgebra. [Tallinn] : TTÜ kirjastus, 2004. 208 lk.

#### MATEMAATIKA-LOODUSTEADUSKOND

Talimets, E. Metallide korrosioon ja korrosioonitõrje : loengukonspekt. [Tallinn] : TTÜ kirjastus, c2004. 60 lk.

Tamberg, G. On sampling operators defined by Rogosinski, Hann and Blackman windows. Tallinn : TUT Press, c2004. 104 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 29).

Tamm, E. (koost.). Statistika majanduses ja majandusteaduses. Tallinn : Statistikaamet, 2004. 121, [1] lk. (Eesti Statistikaltsi teabevihik ; 14).

Tammeraid, I. (koost.). Matemaatiline analüüs. II : juhend TTÜ kaugõppe-üliõpilastele. Tallinn, 2004. 34 lk.

Tammeraid, I. Tõenäosusteooria ja matemaatiline statistika. [Tallinn] : TTÜ kirjastus, c2004. 246 lk.

Trikkel, A. (koost.). Keemia alused : praktikum. [Tallinn] : TTÜ kirjastus, 2004. 88 lk.

Uudelepp, H., Lõhmus, A. (koost.). Matemaatika : riigieksam 2003. Tallinn, 2004. 36 lk.

Vallikivi, I. Lipase-catalysed reactions of prostaglandins. Tallinn : TUT Press, 2004. 112 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 32).

Übner, M. Interaction of humic substances with metal cations. Tallinn : TUT Press, 2004. 96 p. (Theses of Tallinn University of Technology. B, Thesis on natural and exact sciences ; 30).

#### *Artiklid*

Aasvee, K., Kurvinen, E., Tupits, H., Hedma, A., Roovere, T. Ateroskleroosi riskitegurite iseloomustus Tallinna ja Põhja-Eesti II tüüpi diabeedi haigetel // Eesti Arst (2004) 9, lk. 605.

Aav, R., Kanger, T., Pehk, T., Lopp, M. Unexpected direction of the reaction of ethyl 2-(diethylphosphono)propionate with 2,2-disubstituted-1,3-cyclopentanediones // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 53.

\* Aben, H., Errapart, A., Ainola, L., Anton, J. Photoelastic tomography for residual stress measurement in glass // Optical metrology in production engineering. Bellingham, 2004. p. 1-11. (Proceedings of SPIE ; 5457).

Ågren, M., Kogerman, P., Kleman, M.I., Wessling, M., Toftgård, R. Expression of the PTCH1 tumor suppressor gene is regulated by alternative promoters and a single functional Gli-binding site // Gene. **330** (2004) p. 101-114.

Ainola, L., Aben, H. A new relationship for the experimental-analytical solution of the axisymmetric thermoelasticity problem : short communication // ZAMM : Zeitschrift für Angewante Mathematik und Mechanik. **84** (2004) 3, p. 211-215.



- Ainola, L., Aben, H. On hybrid thermomechanics for multilayered cylinders // Journal of thermal stresses. **27** (2004) p. 195-207.
- Ainola, L., Aben, H. On the optical theory of photoelastic tomography // Journal of the Optical Society of America. A. **21** (2004) 6, p. 1093-1101.
- Ainola, L., Aben, H. Theory of magnetophotoelasticity with multiple reflections // Journal of optics A : pure and applied optics. **6** (2004) 1, p. 51-56.
- Airavaara, M., Planken, A., Gäddnäs, H., Piepponen, T.P., Saarma, M., Ahtee, L. Increased extracellular dopamine concentrations and FosB/DeltaFosB expression in striatal brain areas of heterozygous GDNF knockout mice // European journal of neuroscience. **20** (2004) 9, p. 2336-2344.
- Anier, A., Lipping, T., Melto, S., Hovilehto, S. Higuchi fractal dimension and spectral entropy as measures of depth of sedation in intensive care unit // Proceedings of the 26<sup>th</sup> Annual International Conference of the IEEE EMBC : San Francisco, CA, USA, September 1–5, 2004, p. 526-529.
- Annuka, H., Hunt, T. E-learning and descriptive geometry // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 152-155.
- Annuka, H., Klaasen, H., Kübarsepp, J., Suvi, V. Adhesive wear behaviour of carbide composites and tool steels // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 175-176.
- Ausmees, K., Kulper, K., Pehk, T., Kanger, T., Lopp, M. Synthesis of vicinal amino alcohols from tartaric ester // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 54.
- Bachmann, M., Kalda, J., Lass, J., Tuulik, V., Hinrikus, H. Power spectrum distinguishes the effect of microwave stimulation on human EEG at rest // Biological Effects of EMFs 3<sup>rd</sup> International Workshop : Kos, Greece, 4–8 October 2004 : proceedings. Volume 1. [S.l., 2004]. p. 75-80.
- Bazunova, N., Borowiec, A., Kerner, R. Universal differential calculus on ternary algebras // Letters in mathematical physics. **67** (2004) 3, p. 195-206.
- \* Blinova, I., Ilomets, M., Lukjanova, A., Treumann, M., Viitak, A. Fine-scale pattern of the decomposition, compaction and accumulation of organic matter in Sphagnum hummocks (Nigula bog, SW Estonia) // Proc. 12<sup>th</sup> International Peat Congress : Tampere, Finland, 6–11 June, 2004. Saarijärvi, 2004. p. 972-976.
- Daniel, J.M., Ehala, S., Friess, S.D., Zenobi, R. On-line atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry // The analyst. **129** (2004) p. 574-578.
- Ebber, A., Ehala, S., Kudrjašova, M., Kulp, M., Vaher, M., Kaljurand, M. Flow sampling in capillary electrophoresis with a pneumatically driven computerized

sampler // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 1, p. 6-20.

Ehala, S., Kaljurand, M., Kudrjašova, M., Vaher, M. Stroboscopic sampling in comprehensive high-performance liquid chromatography-capillary electrophoresis *via* a pneumatic sampler // Electrophoresis. **25** (2004) p. 980-989.

Ehala, S., Vaher, M., Kaljurand, M. Separation of polyphenols and L-ascorbic acid and investigation of their antioxidant activity by capillary electrophoresis // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 1, p. 21-35.

\* Elken, J., Kõuts, T., Raudsepp, U., Sipelgas, L. Portable coastal operational oceanographic system to monitor the harbor-related environmental impacts in Estonia [Electronic resource] // Proceedings of the USA-Baltic International Symposium "Advances in Marine Environmental Research, Monitoring and Technologies" : Klaipeda, 15–17 June, 2004, [6] p. [CD-ROM].

Elken, J., Soomere, T. Effects of wind regime shift on sediment transport in small bays of non-tidal seas // The Baltic : The Eighth Marine Geological Conference : September 23–28, 2004, Tartu, Estonia : abstracts. Excursion guide. Tartu : [Sulemees], 2004. p. 11.

\* Errapart, A., Aben, H., Ainola, L. Photoelastic tomography in linear approximation [Electronic resource] // Proceedings of the 2004 SEM X International Congress & Exposition on Experimental and Applied Mechanics. California, 2004. [8] p. [CD-ROM].

Ferenets, R., Jäntti, V., Huotari, A.-M., Alahuhta, S., Lipping, T. Comparing time-frequency methods for estimating instantaneous frequency of spindles during propofol anesthesia [Electronic resource] // Medicon and Health Telematics 2004 "Health in the Information Society" : Xth Mediterranean Conference on Medical and Biological Engineering : July 31–August 5, 2004, Ischia, Napeles-Italy. [S.l.], 2004. [4] p. [CD-ROM]. (IFMBE proceedings ; Volume 6, 2004).

Fridolin, I. Solute removal rate assessment during hemodialysis using a spectrophotometrical technique : a theoretical study of component interaction [Electronic resource] // Medicon and Health Telematics 2004 "Health in the Information Society" : Xth Mediterranean Conference on Medical and Biological Engineering : July 31–August 5, 2004, Ischia, Napeles-Italy. [S.l.], 2004. [4] p. [CD-ROM]. (IFMBE proceedings ; Volume 6, 2004).

Gavrilov, A., Teresk, A. Infrared locator for orientation of the blind // Electronics world (2004) July, p. 48.

Gavrilov, A. Istočnik stabilizirovannogo toka dlja anodnogo okislenija poluprovodnikov // Pribory i tehnika eksperimenta (2004) 1, lk. 160-161.

\* Hakkila, K., Green, T., Leskinen, P., Ivask, A., Marks, R., Virta, M. Detection of bioavailable heavy metals in EILATox-Oregon samples using whole-cell luminescent bacterial sensors in suspension or immobilized onto fibre-optic tips // Journal of applied toxicology. **24** (2004) 5, p. 333-342.

- Haljas, A., Mankin, R., Sauga, A., Reiter, E. Anomalous mobility of Brownian particles in a tilted symmetric sawtooth potential // *Physical review. E.* **70** (2004) p. 041107-1 - 041107-12.
- Hinrikus, H., Bachmann, M., Lass, J. Quasi-thermal effect of microwave radiation // *Biological Effects of EMFs 3<sup>rd</sup> International Workshop* : Kos, Greece, 4–8 October 2004 : proceedings. Vol. 1. [S.l., 2004]. p. 74.
- Hinrikus, H., Bachmann, M., Lass, J., Tuulik, V. Effect of the microwave radiation on human EEG at different modulation frequencies [Electronic resource] // *Medicon and Health Telematics 2004 "Health in the Information Society"* : Xth Mediterranean Conference on Medical and Biological Engineering : July 31–August 5, 2004, Ischia, Napeles-Italy. [S.l.], 2004. [ 4] p. [CD-ROM]. (IFMBE proceedings ; Volume 6, 2004).
- Hinrikus, H., Lass, J., Karai, D., Kalda, J., Tomson, R., Tuulik, V. Influence of low-level microwave radiation on nerve pulse conduction velocity // *Biological Effects of EMFs 3<sup>rd</sup> International Workshop* : Kos, Greece, 4–8 October 2004 : proceedings. Volume 2. [S.l., 2004]. p. 641-648.
- Hinrikus, H., Lass, J., Tuulik, V. Interaction of low-level microwave radiation with nervous system – a quasi-thermal effect? // *Proceedings of the Estonian Academy of Sciences. Engineering.* **10** (2004) 2, p. 82-94.
- Hinrikus, H., Parts, M., Lass, J., Tuulik, V. Changes in human EEG caused by low level modulated microwave stimulation // *Bioelectromagnetics.* **25** (2004) p. 431-440.
- \* Hinrikus, H. EMF regulations and research in Estonia // *International Conference on Electromagnetic Fields, from Bioeffects to Legislation* : Ljubljana, Slovenia, 2004, p. 27-29.
- Hinrikus, H. Foreword : 10<sup>th</sup> anniversary of the Biomedical Engineering Centre of the Tallinn University of Technology and of the Estonian Society for Biomedical Engineering and Medical Physics // *Proceedings of the Estonian Academy of Sciences. Engineering.* **10** (2004) 2, p. 67-68.
- Hlimonenko, I., Nigul, M., Meigas, K., Vahisalu, R. Pulse wave transit time in patients with hyperlipidaemia and hypertension [Electronic resource] // *Medicon and Health Telematics 2004 "Health in the Information Society"* : Xth Mediterranean Conference on Medical and Biological Engineering : July 31–August 5, 2004, Ischia, Napeles-Italy. [S.l.], 2004. [4] p. [CD-ROM]. (IFMBE proceedings ; Volume 6, 2004).
- Hunt, T. The course of descriptive geometry in WebCT environment // *Engineering Graphics Baltgraf - 7* : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 149-151.
- \* Hussainov, M., Kartušinski, A., Rudi, Ü., Štšeglov, I., Tisler, S. An experimental investigation of effect of the velocity slip on modification of the grid-generated turbulence in a gas-solid particles flow [Electronic resource] // *Proc. 3<sup>rd</sup> International Symposium on Two-Phase Flow Modelling and Experimentation* : ISTP-2004 : Pisa, Italy, September 22–26, 2004, paper No. as04 [CD-ROM].

\* Hussainov, M., Kartušinski, A., Rudi, Ü., Štšeglov, I., Tisler, S. An experimental study of effect of particles on a turbulence of gas in a gas-solid particles flows // NATO ASI. Flow and Transport Processes in Complex Obstructed Geometries : from Cities and Vegetative Canopies to Industrial Problems : Kyiv, Ukraine, May 4–15, 2004, p. 108-109.

Ilmarinen, K., Pehk, T., Lopp, M. MPA in the determination of the absolute configuration of vicinal diols by NMR spectroscopy // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 87.

Ivask, A., Francois, M., Kahru, A., Dubourguier, H.-C., Virta, M., Douay, F. Recombinant luminescent bacterial sensors for the measurement of bioavailability of cadmium and lead in soils polluted by metal smelters // Chemosphere. **55** (2004) 2, p. 147-156.

Janno, J. Determination of a time- and space-dependent heat flux relaxation function by means of a restricted Dirichlet-to-Neumann operator // Mathematical methods in the applied sciences. **27** (2004) p. 1241-1260.

\* Janno, J. Reconstruction of kernels in parabolic and hyperbolic integro-differential equations from restricted Dirichlet-to-Neumann operator // Perspectives in Inverse Problems : conference held in Helsinki, 2004 : abstracts, p. 23.

Janno, J. Recovering a time- and space-dependent kernel in a hyperbolic integro-differential equation from a restricted Dirichlet-to-Neumann operator [Electronic resource] // Electronic journal of differential equations. **2004** (2004) 67, p. 1-16. - URL <http://ejde.math.txstate.edu>.

Jõgi, A. Jürissaare Talumuuseum Võtikveres // Torma Album. IV. Tallinn : Tormalaste Kodupaigäühendus, 2004. lk. 164-166.

Jõgi, A. Tormalaste Kodupaigäühenduse tegevusest aastail 2001–04 // Torma Album. IV. Tallinn : Tormalaste Kodupaigäühendus, 2004. lk. 172-174.

\* Jänni, V., Ferenets, R. et al. EEG in deepening anaesthesia // Workshop on Neuroscience and Information Technology in Tampere. Tampere, 2004. [1] p.

Järving, R., Järving, I., Kurg, R., Brash, A.R., Samel, N. On the evolutionary origin of cyclooxygenase (COX) isozymes // The journal of biological chemistry. **279** (2004) 14, Issue of April 2, p. 13624-13633.

Jäälaid, R., Paju, A., Eek, M., Lopp, M. A practical asymmetric synthesis of (S) and (R)-2-methyl-5-oxotetrahydrofuran carboxylic acids // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 88.

Kaldo, I., Vaarmann, O. A convergence theorem for approximate methods of tangent hyperbolas // Proceedings of the Estonian Academy of Sciences. Physics. Mathematics. **53** (2004) 3, p. 165-176.

- \* Kaldo, I., Vaarmann, O. On approximate Gauss-Newton methods for nonlinear least squares problem // 50<sup>th</sup> Meeting of the European Working Group "Multiple Criteria Decision Aid" : Brest, France, 2004, p. 34.
- \* Kaldo, I., Vaarmann, O. Rapidly convergent methods for nonlinear Fredholm integral equations // MMA 2004 : 9<sup>th</sup> International Conference "Mathematical Modelling and Analysis" : abstracts. Jurmala, 2004. p. 30.
- Kaljurand, M. Capillary electrophoresis in contemporary analytical chemistry // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 1, p. 3-5.
- Kaljurand, M. Hariduse väärtustamisest Eesti Vabariigis // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 21-23.
- Kaljurand, M. Hariduse väärtustamisest Eesti Vabariigis // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 284-287.
- \* Kalv, P., Aas, T., Harvig, V., Pustõlnik, I., Mars, M. Light time effect in selected semi-detached and contact binaries with observable third components // The light-time effect in astrophysics. Kluwer, 2004. [12] p.
- \* Kalv, P., Harvig, V., Pustõlnik, I. BM Cas a long period eclipsibinary with a supergiant and common envelope // Zdenek Kopal's Binary Star Legacy. Kluwer, 2004. [4] p.
- Kanger, T. C2-symmetric enantiomeric heterocycles: synthetic strategies and applications // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 38.
- \* Kaplanski, F., Rudi, Ü. Model for the formation of "optimal" vortex rings with taking into account viscosity [Electronic resource] // Proc. XXI International Congress of Theoretical and Applied Mechanics : Warsaw, August 15–21, 2004 : abstract and extended summary on CD-ROM. Warsaw, 2004. p. 189 [CD-ROM].
- \* Kaplanski, F., Rudi, Ü. Particle dynamics in a vortex ring [Electronic resource] // Proc. 5<sup>th</sup> International Conference on Multiphase Flow : ICMF-2004 : Yokohama, Japan, May 30–June 4, 2004, CD-ROM paper No. 571.
- \* Kaplanski, F., Rudi, Ü. Transport processes in an oscillating vortex pair and rings // NATO ASI. Flow and Transport Processes in Complex Obstructed Geometries : from Cities and Vegetative Canopies to Industrial Problems : Kyiv, Ukraine, May 4–15, 2004, p. 110-112.
- \* Kaplanski, F., Sashin, S., Rudi, Ü. Particle dynamics in a vortex ring [Electronic resource] // Proc. 3<sup>rd</sup> International Symposium on Two-Phase Flow Modelling and Experimentation : ISTP-2004 : Pisa, Italy, September 22–26, 2004, paper No. as05 (6 p.) [CD-ROM].
- \* Kartušinski, A., Michaelides, E. An analytical approach for the closure equations of gas-solid flows with inter-particle collisions // International journal of multiphase flow. **30** (2004) 2, p. 159-180.

\* Kartušinski, A., Michaelides, E., Rudi, Ü. Gas-solid particle flow in horizontal channels at high mass loadings [Electronic resource] // Proc. 5<sup>th</sup> International Conference on Multiphase Flow : ICMF-2004 : Yokohama, Japan, May 30–June 4, 2004, CD ROM paper No. 159.

\* Kartušinski, A.I., Michaelides, E.E., Rudi, Ü.A. Číselnoe modelirovanie potokov gazovzvesi v vertikal'nyh trubah i èffekt stolknovenij častic // Izvestija Rossijskoj Akademii nayk. Mehanika židkosti i gaza (2004) 5, lk. 77-86.

Kitt, R. Equity asset allocation model for EUR-based Eastern Europe pension funds // Papers of the Congress of Political Economists (COPE) 14<sup>th</sup> Annual International Conference presented by Estonian participants : 12–19 July 2003, Mexico City. Tallinn, 2004. TUTWPE(BFE) No. 04/119, p. 245-254. (Working papers in economics (TUTWPE) ; No. 04/104-04/119).

Kluge, L., Paal, E. Operads and cohomology // Algebras groups and geometries. **21** (2004) p. 1-7.

Kriis, K., Kanger, T., Lopp, M. Asymmetric transfer hydrogenation of aromatic ketones by Rh/bimorpholine complexes // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 93.

Kriis, K., Kanger, T., Lopp, M. Asymmetric transfer hydrogenation of aromatic ketones by Rh(I)/bimorpholine complexes // Tetrahedron : Asymmetry. **15** (2004) p. 2687-2691.

Kudrjašova, M., Tahkonemi, H., Helmja, K., Kaljurand, M. Capillary electrophoretic monitoring of microbial growth : determination of organic acids // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 2, p. 51-64.

Kuldvee, R., Zaidentsal, A., Viitak, A., Treumann, M., Kaljurand, M. Speciation of chromium using wide-bore capillary electrophoresis with electrothermal atomic absorption spectrometry detection // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 2, p. 65-74.

Kulp, M., Kaljurand, M., Käämbre, T., Sikk, P., Saks, V. *In situ* monitoring of kinetics of metabolic conversion of ATP to ADP catalyzed by MgATPases of muscle Gastrocnemius skinned fibers using micellar electrokinetic chromatography // Electrophoresis. **25** (2004) 17, p. 2996-3002.

Kulp, M., Kaljurand, M. On-line monitoring of enzymatic conversion of adenosine triphosphate to adenosine diphosphate by micellar electrokinetic chromatography // Journal of chromatography A. **1032** (2004) p. 305-312.

Lass, J., Hinrikus, H., Bachmann, M., Tuulik, V. Microwave radiation has modulation frequency dependent stimulating effect on human EEG rhythms // Proceedings of the 26<sup>th</sup> Annual International Conference of the IEEE EMBC : San Francisco, CA, USA, September 1–5, 2004, p. 4225-4228.

Lass, J., Meigas, K., Karai, D., Kattai, R., Kaik, J., Rossmann, M. Continuous blood pressure monitoring during exercise using pulse wave transit time measurement //

Proceedings of the 26<sup>th</sup> Annual International Conference of the IEEE EMBC : San Francisco, CA, USA, September 1–5, 2004, p. 2239-2242.

Lass, J., Meigas, K., Kattai, R., Karai, D., Kaik, J., Rossmann, M. Optical and electrical methods for pulse wave transit time measurement and its correlation with arterial blood pressure // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 2, p. 123-136.

Lepane, V., Leeben, A., Malashenko, O. Characterization of sediment pore-water dissolved organic matter of lakes by high-performance size exclusion chromatography // Aquatic sciences. **66** (2004) 2, p. 185-194.

\* Lepane, V., Leeben, A. Characterization of sediment pore-water dissolved organic matter by capillary zone electrophoresis using polyvinyl alcohol coated capillary // 25<sup>th</sup> International Symposium on Chromatography : Paris, France, 2004, p. 135.

\* Lepane, V., Menert, A., Michelis, M., Rikmann, E., Vilu, R. Analysis of extracellular polymeric substances from pre-treated sludge by high-performance size exclusion chromatography // International Symposium Analytical Forum 2004 : Warsaw, Poland : Book of abstracts, p. 202.

\* Leppänen, V.M., Bespalov, M.M., Runeberg-Roos, P., Puurand, Ü., Merits, A., Saarma, M., Goldman, A. The structure of GFR[alfa]1 domain 3 reveals new insights into GDNF binding and RET activation // EMBO journal. **23** (2004) 7, p. 1452-1462.

Lille, Ü. Behavior of Estonian kukersite kerogen in molecular mechanical force field // Oil shale. **21** (2004) 2, p. 99-114.

Lille, Ü. Effect of water on the hydrogen bond formation in Estonian kukersite kerogen as revealed by molecular modelling // Fuel. **83** (2004) 9, p. 1267-1268.

Lipping, T., Jäntti, V. EEG signal in monitoring brain function in anesthesia and intensive care : a review // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 2, p. 95-109.

Loide, R.-K., Ots, I., Saar, R., Suurvarik, P. On superfield equations of motions // Hadronic journal. **27** (2004) p. 151-163.

Loide, R.-K. Automaat – jalaväe põhirelv // Horisont (2004) 6, lk. 50-51.

Loide, R.-K. Ballistilised raketid // Horisont (2004) 1, lk. 52-53.

Loide, R.-K. Juhitavad raketid // Horisont (2004) 4, lk. 48-49.

Loide, R.-K. Partisanide kahurvägi ehk tankitõrje käsirelvad // Horisont (2004) 2, lk. 48-49.

Loide, R.-K. Peeter-Enn Kukk : 02.09.1934–11.02.2003 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2003. lk. 398-399.

Loide, R.-K. Tankid sõjaväljade vallutajad // Horisont (2004) 5, lk. 46-47.

Loide, R.-K. Ülikiire lennuk // Horisont (2004) 3, lk. 48-49.

Loide, R.-K. Počemu prekratila polety carstvennaja "ptica" // Gorizonty Èstonii (2004) 1, lk. 33-35.

Lopp, M., Niidu, A. Võitlus vähiga ja lõhnamaailma mõistmine // Horisont (2004) 6, lk. 23-24.

Lopp, M., Paju, A., Kanger, T. Teaduspreemia keemia ja molekulaarbioloogia [p.o. molekulaarbioloogia] alal tööde tsükli "Uued asümmeetrilised reaktsioonid ja nende katalüsaatorid" eest : Margus Lopp, Anne Paju, Tõnis Kanger // Eesti Vabariigi teaduspreemiad 2004. Tallinn, 2004. lk. 36-46.

Lõhmus A. Professor Ivar Tammeraid – 60 // Aastaraamat 2001 / Eesti Matemaatika Selts. Tartu, 2003. lk. 143-145.

Lõhmus, A. Statistiline kogum. Töenäosus // Põhikooli lõpetajale matemaatika lõpuksamist 2004. Tallinn : Argo, 2004. lk. 34-40.

\* Lõokene, A., Zhang, L., Hultin, M., Olivecrona, G. Rapid subunit exchange in dimeric lipoprotein lipase and properties of the inactive monomer // Journal of biological chemistry. **279** (2004) 48, p. 49964-49972.

Mardla, V., Kobzar, G., Samel, N. Potentiation of antiaggregating effect of prostaglandins by  $\alpha$ -tocopherol and quercetin // Platelets. **15** (2004) 5, p. 319-324.

Meigas, K., Lass, J., Kattai, R., Karai, D., Kaik, J. Method of optical self-mixing for pulse wave transit time measurement in comparison with other methods and correlation with blood pressure // Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine VIII : 26–28 January 2004, San Jose, California, USA. Washington : SPIE, 2004. p. 444-453. (Proceedings of SPIE ; 5316) (Progress in biomedical optics and imaging ; Vol.5, No.5).

Meister, K., Mägi, R. Visualisation in descriptive geometry // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 172-175.

Menaker, A., Kravets, M., Koel, M., Orav, A. Identification and characterization of supercritical fluid extracts from herbs // Comptes rendus chimie. 1631-0748. **7** (2004) p. 629-633.

Menert, A., Paalme, V., Juhkam, J., Vilu, R. Characterization of sulfate-reducing bacteria in yeast industry waste by microcalorimetry and PCR amplification // Thermochimica acta. **420** (2004) 1/2, p. 89-98.

Menert, A., Paalme, V., Svintsova, J., Vilu, R. Characterization of sulfate reducing bacteria in anaerobic sludge from yeast industry waste treatment unit by 16S rDNA PCR amplification // NATO Advanced Research Workshop : Bioremediation of Soils Contaminated with Aromatic Compounds : Effects of Rhizosphere Bioavailability, Gene Regulation and Stress Adaption : 1–3 July 2004, Tartu, Estonia. [Tartu : Tartu Ülikool, 2004]. p. 34.

Menert, A. Microcalorimetric monitoring of anaerobic waste treatment processespages // Application note no.22039 / Thermometric AB, September 2004, [3] p.



- \* Mere, A., Katerski, M., Kijatkina, O., Krunks, M. Solar cell structures by non-vacuum techniques based on sprayed CuInS<sub>2</sub> absorber layers // Proceedings of European Photovoltaic Solar Energy Conference : Paris, 2004, p. 1973-1976.
- Muzõka, V., Bogovski, S., Pille, V., Viitak, A., Veidebaum, T. Pikaajaliste kutseekspressioonide toksiline toime ainevahetusele // Eesti Arst (2004) 9, lk. 620.
- Mägi, R., Sepsivart, M. Drawing management in Estonian companies // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 111-115.
- Mägi, R. Engineering graphics – history or futurity? // Scientific proceedings of Riga Technical University. 8. serija, The humanities and social science. 5, History of science and higher education (2004) p. 115-122.
- Mägi, R. Engineering graphics – past, present, future // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 134-140.
- Mäits, M. Application of symmetry in descriptive geometry // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 31-37.
- Nigul, L., Olsper, A., Meier, M., Paves, H., Talpsep, T., Truve, E. New plant vectors for protein tagging with E2 Epitope // Plant molecular biology reporter. **22** (2004) 4, p. 399-407.
- Niidu, A., Paju, A., Eek, M., Kanger, T., Pehk, T., Lopp, M. Investigation of the synthesis of hydroxylated cyclopentanediones // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 116.
- Orav, A., Raal, A., Arak, E. Comparative chemical composition of the essential oil of *Mentha x piperita* L. from various geographical sources // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 4, p. 174-181.
- Orav, A., Stulova, I., Kailas, T., Müürisepp, M. Effect of storage on the essential oil composition of *Piper nigrum* L. fruits of different ripening states // Journal of agricultural and food chemistry. **52** (2004) p. 2582-2586.
- \* Ots, I., Uibo, H., Liivat, H., Loide, R.-K., Saar, R. Possible anomalous ZZg and Zgg couplings and Z boson spin orientation in e<sup>+</sup> e<sup>-</sup> Zg // Nuclear physics. Section B. **B702** (2004) p. 346-356.
- \* Paal, E. Moufang loops and generalized Maurer-Cartan equations // 11-th International Conference "Symmetry Methods in Physics". Prague, 2004. [1] p.
- \* Paal, E. Moufang loops and generalized Maurer-Cartan equations // International Conference "Non-commutative Geometry and Representation Theory in Mathematical Physics". Karlstad, 2004. [1] p.
- Paal, E. Moufang loops and integrability of generalized Lie equations // Czechoslovak journal of physics. **54** (2004) 11, p. 1375-1380.

\* Paal, E. Moufang loops and integrability of generalized Lie equations // Abstr. XIII Int.Coll. "Integrable Systems and Quantum Groups". Prague, 2004. p. 17-19.

Paal, E. Note on analytic Moufang loops // Comment. Math. Univ. Carolinae. **45** (2004) 2, p. 349-354.

Paal, E. Operads, cohomology and deformations // New Developments in Mathematical Physics Research. [S.l.] : Nova Science Publishers, 2004. p. 117-129.

\* Paalme, V., Gammelgard, E., Järvekülg, L., Valkonen, J.P. In vitro recombinants of two nearly identical potyviral isolates express novel virulence and symptom phenotypes in plants // Journal of general virology. **85** (2004) 3, p. 739-747.

Paju, A., Kanger, T., Pehk, T., Eek, M., Lopp, M. A short enantioselective synthesis of homocitric acid  $\gamma$ lactone and 4-hydroxyhomocitric acid  $\gamma$ lactones // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 118.

Paju, A., Kanger, T., Pehk, T., Eek, M., Lopp, M. A short enantioselective synthesis of homocitric acid-[ $\gamma$ ]-lactone and 4-hydroxy-homocitric acid-[ $\gamma$ ]-lactones // Tetrahedron. **60** (2004) p. 9081-9084.

\* Palumaa, P., Kangur, L., Voronova, A., Sillard, R. Metal-binding mechanism of Cox17, a copper chaperone for cytochrome c oxidase // Biochemical journal. **382** (2004) 1, p. 307-314.

Palumaa, P. Genoomika, proteoomika... ehk kuhu liigub bioloogiateadus? // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 18-22.

Paveliev, M., Airaksinen, M.S., Saarma, M. GDNF family ligands activate multiple events during axonal growth in mature sensory neurons // Molecular and cellular neuroscience. **25** (2004) 3, p. 453-459.

\* Paves, H., Truve, E. Incorporation of mammalian actin into microfilaments in plant cell nucleus // BMC plant biology. **4** (2004) 1, p. 7.

Peld, M., Tõnsuaadu, K., Bender, V. Natural and synthetic apatites as sorbents for  $\text{Cd}^{2+}$  and  $\text{Cr}^{3+}$  ions from aqueous solutions // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 2, p. 75-90.

Peld, M., Tõnsuaadu, K., Bender, V. Sorption and desorption of  $\text{Cd}^{2+}$  and  $\text{Zn}^{2+}$  ions in apatite-aqueous systems // Environmental science & technology. **38** (2004) 21, p. 5626-5631.

Peuravuori, J., Lepane, V., Lehtonen, T., Pihlaja, K. Comparative study for separation of aquatic humic substances by capillary zone electrophoresis using uncoated, polymer coated and gel-filled capillaries // Journal of chromatography A. **1023** (2004) 1, p. 129-142.

Pille, V., Muzõka, V., Bogovski, S., Viitak, A., Veidebaum, T. Täiendavad võimalused pikaajaliste kutseekspositsioonide toksilise toime hindamiseks // Eesti Arst (2004) 12, lk. 806-810.

- Pustõnski, V.-V., Pustõlnik, I. Modeling the irradiated atmospheres of unevolved companions in pre-cataclysmic binaries // *Baltic astronomy*. **13** (2004) 1, p. 122-127.
- Puura, V., Flodén, T., Mokrik, R., All, T., Kirs, J., Konsa, M., Soesoo, A., Urtson, K. Geological structure of the Baltic seabed // *The Baltic : The Eighth Marine Geological Conference : September 23–28, 2004, Tartu, Estonia : abstracts. Excursion guide*. Tartu : [Sulemees], 2004. p. 44.
- Puura, V., Hints, R., Huhma, H., Klein, V., Konsa, M., Kuldkepp, R., Mänttari, I., Soesoo, A. Svecofennian metamorphic zones in the basement of Estonia // *Proceedings of the Estonian Academy of Sciences. Geology*. **53** (2004) 3, p. 190-209.
- Puusemp, P. A semidirect product of cyclic groups and its endomorphism semigroup // *Algebras groups and geometries*. **21** (2004) p. 137-152.
- \* Puusemp, P. Endomorphism semigroups of groups // 11-th International Conference "Symmetry Methods in Physics". Prague, 2004. p. 27.
- Puusemp, P. Michael Lindenberg ja Viru Eesti Selts "Kalevipoeg" // *Torma Album*. IV. Tallinn : Tormalaste Kodupaigäühendus, 2004. lk. 113-116.
- \* Puusemp, P. On the theory of endomorphism semigroups of groups // International Conference "Non-commutative Geometry and Representation Theory in Mathematical Physics". Karlstad, 2004. p. 42.
- \* Puusemp, P. On the theory of endomorphism semigroups of groups // International Algebraic Conference on the occasion of the 250-th anniversary of Moscow State University and the 75-th anniversary of the Department of Algebra. Moscow, 2004. p. 260.
- \* Päll, T., Gad, A., Kasak, L., Drews, M., Strömlad, S., Kogerman, P. Recombinant CD44-HABD is a novel and potent direct angiogenesis inhibitor enforcing endothelial cell-specific growth inhibition independently of hyaluronic acid binding // *Oncogene*. **23** (2004) 47, p. 7874-7881.
- Raal, A., Arak, E., Orav, A., Ivask, K. Comparación de aceites esenciales de *Matricaria recutita* L. de origen diverso = Comparison of essential oil content of *Matricaria recutita* L. from different origins // *Ars pharmaceutica*. **44** (2004) 2, p. 159-165.
- Raal, A., Paaver, U., Arak, E., Orav, A. Content and composition of the essential oil of *Thymus serpyllum* L. growing wild in Estonia // *Medicina*. **40** (2004) 8, p. 795-800.
- Rahula, M., Mullari, T. Connections in the bundles // *Vektornye polja i simmetrii*. Tartu : Tartu University Press, 2004. p. 199-236.
- Raudla, K., Kanger, T., Pehk, T., Lopp, M. Synthesis of 1-methylbicyclo[3.3.0]octane-3,4,8-trione // International Conference on Organic Synthesis : June 27–July 1, 2004, Riga, Latvia : program & abstracts. Riga : Balticum Organicum Syntheticum, [2004]. p. 122.
- Riives, J. Hans Taal : 13.10.1918–23.02.2003 : [in memoriam] // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2003. lk. 400-401.

Riives, J. Sign and model // Engineering Graphics Baltgraf - 7 : proceedings of the Seventh International Conference : (May 27–28, 2004, Vilnius, Lithuania). Vilnius : Technika, 2004. p. 38-42.

\* Rivera, C., Voipio, J., Saarma, M. et al. Mechanism of activity-dependent downregulation of the neuron-specific K-Cl cotransporter KCC2 // Journal of neuroscience. **24** (2004) 19, p. 4683-4691.

Saarma, M. Biomolecules, genes and medicine // 4<sup>th</sup> Baltic Conference of Haematology : 13–15 May 2004 : Tallinn, Estonia. [Tallinn], p. 8-9.

Schunk, A., Menert, A., Maurer, G. On the influence of some inorganic salts on the partitioning of citric acid between water and organic solutions of tri-*n*-octylamine. Part 1, Methyl isobutyl ketone as organic solvent // Fluid phase equilibria. **224** (2004) p. 55-72.

Shipilova, T., Pshenichnikov, I., Kaik, J., Volozh, O., Abina, J., Kalev, M., Lass, J., Meigas, K. Echocardiographic assessment of the different left ventricular geometric patterns in middle-aged men and women in Tallinn // Blood pressure. **12** (2004) 5/6, p. 284-290.

Sinivee, V. "Seinaadapteritest" nii- ja naapidi – kas savist saab sepiku? // Arvutikasutaja (2004) 4, lk. 10-12.

Sinivee, V. Alarm meie kahehatalisele sõbrale // Arvutikasutaja (2004) 8, lk. 10-12.

Sinivee, V. Elektroonika-aabits // Arvutikasutaja (2004) 10, lk. 13 ; 11, lk. 13 ; 12, lk. 13.

Sinivee, V. Häälemoonuti algajale ufoloogile // Arvutikasutaja (2004) 5, lk. 10-12.

Sinivee, V. Jootajaam oma kätega // Arvutikasutaja (2004) 10, lk. 10-12.

Sinivee, V. Kes meile helistab keset ööd ehk kuulus numbrimääraja AOH // Arvutikasutaja (2004) 3, lk. 10-13.

Sinivee, V. Mobiiltelefonile juhe külge // Arvutikasutaja (2004) 1, lk. 10-13.

Sinivee, V. PIC-protsessorite programmaator ehk koodi kivisse raiumise eripärad silumisperioodil // Arvutikasutaja (2004) 6, lk. 10-12.

Sinivee, V. Siililegi selge ehk ukсед lukku ja lahti magnetkaardiga // Arvutikasutaja (2004) 7, lk. 10-12.

Sinivee, V. SIM Salapärane ja muud protsessorkaardid // Arvutikasutaja (2004) 2, lk. 8, 10-12.

Sinivee, V. Tahan elektroonikuks ehk millest alustada // Arvutikasutaja (2004) 9, lk. 10-12.

Sinivee, V. Üks PIC juhib neid kõiki // Arvutikasutaja (2004) 12, lk. 10-13.

Sinivee, V. X-10 pikendus ehk sammuke kavala kodu poole // Arvutikasutaja (2004) 11, lk. 10-12.

Soesoo, A., Kalda, J., Bons, P., Urtson, K., Kalm, V. Fractality in geology : a possible use of fractals in the studies of partial melting processes // Proceedings of the Estonian Academy of Sciences. Geology. **53** (2004) 1, 13-27.

Soesoo, A., Puura, V., Kirs, J., Petersell, V., Niin, M., All, T. Outlines of the Precambrian basement of Estonia // Proceedings of the Estonian Academy of Sciences. Geology. **53** (2004) 3, p. 149-164.

Soesoo, A. Järeldoktorid teadus- ja arendusruumis : mõtteid järeldoktorite staatusest meil ja mujal // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 288-296.

Soesoo, A. Precambrian basement of Estonia // Proceedings of the Estonian Academy of Sciences. Geology. **53** (2004) 3, p. 147-148.

Tamm, E. Leibkonna elujärje uuringu tulemuste täpsuse hindamisest // Statistika majanduses ja majandusteaduses. Tallinn : Statistikaamet, 2004. lk. [107-112]. (Eesti Statistikeseltsi teabevihik ; 14).

Tamm, T. Ion exchange and water absorption in fluoro- and hydroxyapatites // EURESCO Conferences : a program of the European Science Foundation : Sant Feliu de Guixols (Spain), September 4–9, 2004 : Inorganic Chemistry EuroConference on New Theoretical and Spectroscopical Approaches to Inorganic Chemistry problems. [S.l., 2004]. p. 83.

\* Tammeraid, I. Generalized Riesz method and convergence acceleration // Mathematical modelling and analysis. **9** (2004) 4, p. 341-348.

\* Tammeraid, I. Generalized Riesz method and convergence acceleration // MMA 2004 : 9<sup>th</sup> International Conference "Mathematical Modelling and Analysis" : abstracts. Jurmala, 2004. p. 64.

Tiidema, A., Truve, E. Efficient regeneration of fertile barley plants from callus cultures of several Nordic cultivars // Hereditas. **140** (2004) 3, p. 171-176.

Triikkel, A., Kuusik, R., Maljukova, N. Distribution of organic and inorganic ingredients in Estonian oil shale semicoke // Oil shale. **21** (2004) 3, p. 227-236.

Truus, K., Vaher, M., Koel, M., Mähar, A., Taure, I. Analysis of bioactive ingredients in the brown alga *Fucus vesiculosus* by capillary electrophoresis and neutron activation analysis // Analytical and bioanalytical chemistry. **379** (2004) 5/6, p. 849-852.

Truve, E. Geneetiliselt muundatud taimed pole ohtlikud // Eesti Loodus (2004) 2, lk. 6-9.

\* Tšekulajeva, L., Ševtšuk, I., Tšekulajev, V. Influence of temperature on the efficiency of photodestruction of Ehrlich ascites carcinoma cells sensitized by hematoporphyrin derivative // Experimental oncology. **26** (2004) 2, p. 125-139.

\* Tuulik, V., Ferenets, R., Lass, J., Helemäe, J. The new methods for the analyzing of surface EMG signals // 78<sup>th</sup> ICB Seminar : Warszawa, Poland, 2004, [7] p.

Tuulik, V. Vaim tuleb hoida tugev : [raviarsti kommentaar] // Tervispluss (2004) sept., lk. 19.

\* Uhlin, F., Fridolin, I. et al. Protein catabolic rate estimated by on-line monitoring of the UV-absorbance in the spent dialysate // American Society of Nephrology 37<sup>th</sup> Annual Meeting and Scientific exposition : St.Louis, Missouri, USA, 2004, [1] p.

\* Uhlin, F., Fridolin, I. Icke-invasiv kontinuerlig öövervakning av bloddialys - UV-absorption // Njurmedicinskt regionmöte. Linköping, 2004. [1] p.

Uudsemaa, M., Tamm, T. Calculation of hydration enthalpies of aqueous transition metal cations using two coordination shells and central ion substitution // Chemical physics letters. **400** (2004) 1/3, lk. 54-58.

Vaher, M., Koel, M. Electrophoretic mobilities in nonaqueous capillary electrophoresis // Proceedings of the Estonian Academy of Sciences. Chemistry. **53** (2004) 1, p. 36-45.

Vallikivi, I., Järving, I., Pehk, T., Samel, N., Tõugu, V., Parve, O. NMR monitoring of lipase-catalyzed reactions of prostaglandins : preliminary estimation of reaction velocities // Journal of molecular catalysis B: Enzymatic. **32** (2004) p. 15-19.

Valmsen, K., Boeglin, W.E., Järving, I., Schneider, C., Varvas, K., Brash, A.R., Samel, N. Structural and functional comparison of 15S- and 15R-specific cyclooxygenases from the coral *Plexaura homomalla* // Eur. J. Biochem.. **271** (2004) p. 3533-3538.

Viitak, A., Muzõka, V., Bogovski, S. Biometallide sisaldus Eesti linnaelanike vere-seerumis // Eesti Arst (2004) 9, lk. 631.

Vilu, R. (koost.). Millised on III sektori võimalused hariduspoliitikas : [Eesti Haridusfoorumi töörühma kokkuvõte] // Maakonna, linna ja valla osa koolihariduses : 5.-6. detsember 2003, Paide : ettekannete ja artiklite kogumik. Tallinn, 2004. lk. 185-187.

Vilu, R., Randla, T. Eesti jätkusuutlikkusest keskkonnaruumi ja ökoloogilise jalajälje kontseptsioonide alusel // Elamu (2004) 2, lk. 16-19, 45-47. Rõõptekst vene keeles.

Vilu, R. Jätkusuutlik areng kui ökosüsteemide stabiilse toimimise eeldus // Elamu (2004) 4, lk. 24-25, 59-60. Rõõptekst vene keeles.

Übner, M., Kaljurand, M., Lopp, M. Interactions of Pb<sup>2+</sup> with fulvic acid by electrophoretically mediated on-capillary microanalysis // Journal of chromatography A. **1057** (2004) p. 253-256.

Übner, M., Lepane, V., Lopp, M., Kaljurand, M. Electrophoretic aggregation of humic acid // Journal of chromatography A. **1045** (2004) p. 253-258.

\* Übner, M., Treumann, M., Viitak, A., Lopp, M. Properties of humic substances from the Baltic Sea and Lake Ermistu mud // J.Soils & Sediments. **4** (2004) 1, p. 24-29.

Yang, J., Lindahl, M., Lindholm, P., Virtanen, H., Coffey, E., Runeberg-Roos, P., Saarna, M. PSPN/GFR $\alpha$ 4 has a significantly weaker capacity than GDNF/GFR $\alpha$ 1 to

recruit RET to rafts, but promotes neuronal survival and neurite outgrowth // FEBS letters. **569** (2004) 1/3, p. 267-271.

## MEHAANIKATEADUSKOND

### *Raamatud*

\* Humienny, Z., Osanna, P.H., Tamre, M., Weckenman, A., Blunt, L., Jakubiec, W. Specyfikacje geometrii wyrobów (GPS) – wykład dla uczelni technicznych. [kordustr.]. Warszawa : Wydawnictwa Naukowo-Techniczne, 2004. 540 lk.

Karaulova, T. Development of the modelling tool for the analysis of the production process and its entities for SME. Tallinn : TUT Press, 2004. 113 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 19).

Keskpaik, A., Paalo, P., Kask, Ü. (koost.). Kaugküttepiirkondade määramise juhendmaterjal. [Tallinn] : Eesti Jõujaamade ja Kaugkütte Ühing, 2004. 31 lk. (EJKÜ soovitus ML 1/2004).

Keskpaik, A., Paalo, P., Kask, Ü. jt. (koost.). Kaugkütte üldised kvaliteedinõuded. [Tallinn] : Eesti Jõujaamade ja Kaugkütte Ühing, 2004. 14 lk. (EJKÜ soovitus TR1/2004).

Keskpaik, A., Paalo, P., Kask, Ü. jt. (koost.). Hinnavalemid ja soojuse hinnakalkulatsiooni tabelid. [Tallinn] : Eesti Jõujaamade ja Kaugkütte Ühing, 2004. 16 lk. (EJKÜ soovitus ML2/2004).

Kulderknup, E. (tlk.). Metrooloogilised nõuded mitteautomaatkaaludele. [Tallinn] : Eesti Standardikeskus, 2004. II, 99, [1] lk. (Eesti standard ; EVS-EN 45501:2004).

Laaneots, R. Mõõtetulemuse usaldatavus. [Tallinn] : TTÜ kirjastus, c2004. 101 lk.

Nekrassov, G. Development of an intelligent integrated environment for computer-aided design of workholders. Tallinn : TUT Press, 2004. 107 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 20).

Tammaru, T., Arvola, R., Perens, A. jt. Organisatsiooni käsiraamat : kontseptsioonid ja vahendid. Tallinn : Ettevõtluse arendamise Sihtasutus, 2004. 1 kd. (lahtised lehed).

Ots, A. Põlevkivi põletustehnika. Tallinn, 2004. 768 lk.

Papstel, J., Katalinic, B. (eds.). Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, Tallinn University of Technology, [2004]. 301 p.

Preis, I. Fatigue performance and mechanical reliability of cemented carbides. Tallinn : TUT Press, c2004. 112 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 22).

Zimakov, S. Novel wear resistant WC-based thermal sprayed coatings. Tallinn : TUT Press, c2004. 114 p. (Theses of Tallinn University of Technology. E, Thesis on mechanical and instrumental engineering ; 21).

Tiikma, T., Poobus, A. (koost.). Harri Käär. Publikatsioonid = Harri Käär. Publications. [Tallinn] : TTÜ kirjastus, 2004. 63 lk.

Üksti, L. (tlk.). Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus. Osa 1, Sulakeevitus (ISO 6520-1:1998). [Tallinn] : Eesti Standardikeskus, 2004. II, 26 lk. (Eesti standard ; EVS-EN ISO 6520-1:2004).

### *Artiklid*

Abiline, I., Laaneots, R., Nanits, M. Calibration of coating thickness gauges // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 117-119.

\* Abiline, I., Laaneots, R., Nanits, M.-M. Calibration of thickness gauges // Proc. 10<sup>th</sup> IMEKO TS7 International Symposium on Advances of Measurement Science. 2. Saint-Petersburg : IMEKO, 2004. p. 372-375.

Antonov, M., Hussainova, I., Pirso, J. Chromium carbide based cermets as the wear resistant materials // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 177-180.

Arjassov, G., Otto, T., Gromova, S. Analysis of lathe vibration influence on blank roughness // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 120-123.

Arjassov, G., Otto, T., Gromova, S. Advanced dynamic models for evaluation of accuracy of machining on lathes // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 4, p. 270-280.

\* Arjassov, G. Investigation of blanks vibration on turning lathe // Proceedings of the International Conference Complex Systems Intelligence and Modern Technological Applications : Cherbourg, France, 2004, [6] p.

\* Arro, H., Loosaar, J., Parve, T., Pihu, T., Prikk, A. Atmospheric emissions reduction by introducing oil shale circulating fluidized bed combustion // 6<sup>th</sup> Int. Conf. on Emission Monitoring : 9–11 June, Milan, 2004 : poster.

Arro, H., Prikk, A., Pihu, T. Sulphur and CO<sub>2</sub>-emission at transferring oil shale boilers to the fluidized bed combustion technology // XXXVI. Kraftwerkstechnisches Kolloquium : Entwicklungspotentiale für Kraftwerke mit fossilen Brennstoffen : 19. und 20. Oktober 2004 in Dresden. Tagungsband II. Dresden, 2004. p. P27.



Barāškova, T. The importance of order correlation // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 124-126.

Dušenko, V., Mere, H., Štšeglov, I., Tiikma, T., Vragar, A. Laboratory test rig for combusting Estonian oil shale in circulating fluidized bed // Oil shale. **21** (2004) 2, p. 161-172.

Eek, S.M.van, Costina, I., Podgurski, V., Franchy, R. The structure and magnetic properties of Co films on Ni<sub>3</sub>Al(0 0 1) // Journal of magnetism and magnetic materials. **272/276** (2004) p. 1607-1608.

Eerme, M., Enok, M., Roosimölder, L. Mass reduction of plate frames // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 20-22.

Eerme, M., Enok, M., Roosimölder, L., Küttner, R. Design of sandwich support structures // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 4, p. 300-307.

\* Eerme, M., Enok, M., Roosimölder, L., Küttner, R. Weight reduction of support structures // Proceedings of the NordDesign Conference, p. 309-314.

Grossschmidt, G., Harf, M. Multi-pole modeling and simulation of dynamics of an electro-hydraulic servo-system // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 27-30.

Grossschmidt, G., Harf, M. Simulation of statics and steady state conditions of an electro-hydraulic servo-system // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 31-34.

Hendre, E. Karl Papello – Erfinder, Ingenieur, Wissenschaftler // Scientific proceedings of Riga Technical University. 8. serija, The humanities and social science. 5, History of science and higher education (2004) p. 71-77.

\* Hermaste, A., Papstel, J. Classification system to support decision making in manufacturing of plastic injection molds // Machine engineering. **4** (2004) 1/2, p. 273-280.

Hlebnikov, A., Siirde, A. Estimation of heat losses in district heating networks // Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering. **12** (2004) p. 91-95.

\* Hussainova, I., Kübarsepp, J. Assessment of the wear resistance of multiphase materials [Electronic resource] // Proceedings of International Conference on Powder Metallurgy & Particulate Materials : June 13–17, 2004, Chicago, Illinois, USA. [CD-ROM].

\* Hussainova, I., Kübarsepp, J. Assessment of the wear resistance of multiphase materials // Advances in Powder Metallurgy and Particulate Materials : Hard

Metals/Refractory Metals/Composites. Vol. 9. [S.l.] : Metal Powder Industry, 2004. p. 16-27.

Ingermann, K. Magistritöö kaitsmine Tallinna Tehnikaülikooli soojustehnika instituudis // *Keskonnatehnika* (2004) 2, lk. 18.

Kakko, A., Reedik, V. On reshaping of the product development environment in traditional machinery plant // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia.* Tallinn : DAAAM National Estonia, [2004]. p. 39-42.

\* Kaljas, F., Källo, R., Reedik, V. Realities in interdisciplinary systems design // *Proceedings of Nord Design 2004 : Conference Product Development in Changing Environment held in August 18–20, Tampere, Finland.* Tampere, 2004. p. 251-259.

\* Kaljas, F., Källo, R., Reedik, V. Human aspects at design of mechatronic systems // *Proceedings of the 9<sup>th</sup> Mechatronic Forum International Conference held in August 30 – September 1, 2004, Ankara, Turkey.* Ankara : Atilim University, 2004. p. 147-157.

\* Karaulova, T., Papstel, J. Case studies of the proposed modelling and simulation methodology // *DAAAM international scientific book 2004.* Vienna : DAAAM International Vienna, 2004. p. 303-312.

\* Karaulova, T., Papstel, J. Fault tree generation from the process // *Proceedings of the 15<sup>th</sup> International DAAAM Symposium.* Vienna : DAAAM International Vienna, 2004. p. 199-200.

Karaulova, T., Papstel, J. Software tools for modelling and simulation of manufacturing processes // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia.* Tallinn : DAAAM National Estonia, [2004]. p. 245-248.

Karjust, K., Papstel, J., Pohlak, M. Knowledge based system of the surface finishing processes // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia.* Tallinn : DAAAM National Estonia, [2004]. p. 131-133.

\* Kask, Ü., Kask, L., Habicht, M. Estonian wetlands biomass resources for energy production // *REPROMO Bioenergy Market Place : 13 May 2004, Rome, Italy :* poster presentation.

Kask, Ü., Muiste, P., Paist, A. Development trends in Estonian biomass fuel market // *Scientific proceedings of Riga Technical University.* 4. [series], Power and electrical engineering. **12** (2004) p. 44-49.

\* Kask, Ü., Tiidemann, I. Renewable energy opportunities in Estonia // *REPROMO Bioenergy Market Place : 13 May 2004, Rome, Italy :* poster presentation.

Kask, Ü. Biokütused + jäätmed. Kas tulevikus energeetika pääsetee? // *Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik.* Tartu : Eesti Põllumajandusülikool, 2004. lk. 49-52.

Kask, Ü. Biomass kogub ja annab energiat // *Maamajandus* (2004) 5, lk. 20-21.

Kers, J., Kulu, P. Retreatment of industrial plastic wastes by high energy disintegrator mills // REWAS'04 : Global Symposium on Recycling, Waste Treatment and Clean Technology. Volume III. [S.l., 2004]. p. 2795-2796.

Keskpaik, A., Kask, Ü. Miks säilitada ja arendada kaugkütet? // Eesti Põlevloodusvarad ja -jäätmed (2004) lk. 29-30.

Klaasen, H., Kübarsepp, J., Annuka, H. Adhesive wear behaviour of hardalloys // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 114-115.

Klaasen, H., Kübarsepp, J., Kahar, A. Mechanical and wear behaviour of compression sintered hardmetals // PM2004 : Powder Metallurgy World Congress & Exhibition : 17–21<sup>st</sup> October 2004, Vienna, Austria : Euro PM2004 : conference proceedings. Volume 3. [S.l.], c2004. p. 557-562.

Klaasen, H., Kübarsepp, J., Kollo, L. Sintering technology and properties of TiC-base cermets // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 56-57.

Klaasen, H., Kübarsepp, J., Preis, I. Wear behaviour, durability, and cyclic strength of TiC base cermets // Materials science and technology. **20** (2004) August, 1006-1010 p.

Klaasen, H., Kübarsepp, J., Preis, I. Durability in application of TiC-base cermets // PM2004 : Powder Metallurgy World Congress & Exhibition : 17–21<sup>st</sup> October 2004, Vienna, Austria : Euro PM2004 : conference proceedings. Volume 3. [S.l.], c2004. p. 617-622.

Klaasen, H., Kübarsepp, J. Wear of advanced cemented carbides for metalforming tool materials // Wear. **256** (2004) p. 846-853.

Klaasen, H., Kübarsepp, J. Wear behaviour and mechanical properties of sinterhipped hardmetals // Powder metallurgy. **47** (2004) 2, p. 161-167.

Kleis, I., Remi, T. Adapting the energetic erosion theory to hardened steels // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 1, p. 45-52.

Kleis, I., Remi, T. Testing hardened steel targets for dynamic hardness // Proceedings of the Estonian Academy of Sciences. Engineering. **10** (2004) 1, p. 39-44.

Kleis, I. Erosiooni- ja pörkealased uuringud TTÜs // Tallinna Tehnikaülikooli aasta-raamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 306-328.

Kohutek, I., Besterci, M., Kulu, P. Relation between volume fraction of particles in thin foil and area fraction of their projections // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 78-82.

\* Kollo, L., Schwaller, P., Michler, J. Tribological studies on nc-TiC/a-C:H coatings // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 130-131.

\* Kommel, L., Hussainova, I., Volobujeva, O. Strength and plasticity of nanocrystalline copper after HCV deformation // Abstracts of 3<sup>rd</sup> International Conference "Phase Transition and Strength of Crystals" : September 20–24, 2004, Chernogolovka, Russia, p. 47-48.

Kommel, L., Kimmari, E. Recycling of light weight B<sub>4</sub>C based composites // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 199-202.

Kommel, L., Kübarsepp, J., Veinthal, R., Traksmäa, R. Fabrication, control and properties of nanocrystalline copper // Nano-architected and nanostructured materials : fabrication, control and properties. [S.l.] : Wiley-VCH, 2004. p. 27-37.

Kommel, L., Traksmäa, R., Kimmari, E. Influence of binder composition and microhardness on wear properties of light weight composites // Powder metallurgy progress. **3** (2003) 3, p. 140-145.

\* Kommel, L. Effect of EUP on evolution of microstructure and properties of advanced superalloys // Abstracts of 3<sup>rd</sup> International Conference "Phase Transition and Strength of Crystals" : September 20–24, 2004, Chernogolovka, Russia, p. 81.

\* Kommel, L. Effect of hard cyclic viscoplastic deformation on hardening/softening of SPD-copper // Abstracts of TMS 2004 : 133<sup>rd</sup> Annual Meeting & Exhibition : March 14–18, 2004, Charlotte, North Carolina, U.S.A., p. 258.

Kommel, L. New advanced technologies for nanocrystalline metals manufacturing // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 195-198.

Kommel, L. The effect of HCV deformation on hardening/softening of SPD copper // Ultrafine grained materials III : proceedings of Symposium : held during the 2004 TMS Annual Meeting in Charlotte, North Carolina, U.S.A., March 14–18, 2004. Pennsylvania : TMS, c2004. p. 571-576.

Kruusing, A. Underwater and water-assisted laser processing. Part 1, General features, steam cleaning and shock processing // Optics and lasers in engineering. **41** (2004) 2, p. 307-327.

Kruusing, A. Underwater and water-assisted laser processing. Part 2, Etching, cutting and rarely used methods // Optics and lasers in engineering. **41** (2004) 2, p. 329-352.

Kulderknup, E., Laaneots, R., Raba, K. Modified calculation method of tolerance of dimensional chain dependent link // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 47-50.

\* Kulderknup, E. Uncertainty of occupational health measurements // Proc. 10<sup>th</sup> IMEKO TS7 International Symposium on Advances of Measurement Science. 1. Saint-Petersburg : IMEKO, 2004. p. 115-120.

Kulu, P., Goljandin, D., Peetsalu, P. Metal powders produced by mechanical methods // PM2004 : Powder Metallurgy World Congress & Exhibition : 17–21<sup>st</sup> October 2004, Vienna, Austria : Euro PM2004 : conference proceedings. Volume 1. [S.l.], c2004. p. 157-162.

\* Kulu, P., Goljandin, D., Peetsalu, P. Metal powders produced by mechanical methods // Abstracts of 6<sup>th</sup> Powder Metallurgy World Congress & Exhibition : 17–21 October, 2004, Vienna, Austria, p. 58.

Kulu, P., Hussainova, I., Veinthal, R. Solid particle erosion of thermal sprayed coatings // *Wear*. **256** (2004) 7/8, p. 846-853.

Kulu, P., Kübarsepp, J. Kõrgtehnoloogilised pulberkomposiitmaterjalid ja -pinded tööks kulumise tingimustes // Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003. Tallinn, 2004. lk. 31-37.

\* Kulu, P., Mikli, V., Käerdi, H., Besterci, M. Angularity evaluation of milled WC-Co powder // *International journal of materials and product technology*. **20** (2004).

\* Kulu, P. Tribological and structural aspects of tribo-design of abrasive wear resistant coatings // *Proceedings of the 4<sup>th</sup> International Tribology Conference Pragotrib 2004 : Tribology of Surface Layers and Coatings : 17–18 June, 2004, Prague, Czech Republic*.

Kübarsepp, J., Klaasen, H., Vainola, V. Sliding and erosion wear of cemented carbides // *Engineering Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia, Riga, 2004*. p. 120-122.

Kübarsepp, J., Klaasen, H., Vainola, V. Performance of hard alloys in abrasive-erosive and sliding wear conditions // *Proceedings of the Estonian Academy of Sciences. Engineering*. **10** (2004) 4, p. 308-314.

Kübarsepp, J., Vainola, V., Klaasen, H., Loel, R. Behaviour of hard alloys in sliding and erosion wear conditions // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]*. p. 203-206.

Küttner, R. (comp.). Division of informatics and engineering // *Estonian Academy of Sciences year book 2003. Tallinn, 2004*. p. 32-34.

Küttner, R. (koost.). Informaatika ja tehnikateaduste osakond // *Eesti Teaduste Akadeemia aastaraamat 2003. Tallinn : Eesti Teaduste Akadeemia, 2004*. lk. 29-31.

Küttner, R., Kurg, J. Optimal planning of technological flow lines // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]*. p. 51-54.

\* Küttner, R., Nekrassov, G. Applying case-base reasoning to computer aided design of work-holders // *DAAAM international scientific book 2004. Vienna : DAAAM International Vienna, 2004*. p. 341-352.

MEHAANIKATEADUSKOND

Küttner, R., Nekrassov, G. Implementation CBR system for computer-aided design of work-holders // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 55-58.

\* Küttner, R., Pohlak, M., Majak, J. Modelling and optimal design of sheet metal RP&M processes // 10<sup>th</sup> European Forum on Rapid Prototyping. Paris, 2004. p. 7.

Küttner, R. Evalveerimistulemustest tehnikateadustes // Teaduse ning teadus- ja arendustegevuse finantseerimissüsteemi evalveerimine : Eesti Teaduste Akadeemia seminari materjalid : 19.11.2003. Tallinn, 2004. lk. 21-24.

Küttner, R. Optimal planning of product mix for subcontracting companies // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 249-252.

Laansoo, A., Klaasen, H., Kübarsepp, J., Surženkov, G. Difusion bonding of hardmetals // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 16-20.

\* Laansoo, A., Kübarsepp, J., Klaasen, H. Diffusion welding and brazing of tungsten free hardmetals // Proceedings of 7<sup>th</sup> International Conference "Brazing, High Temperature Brazing and Diffusion Welding" : June 15–17, 2004, Aachen, Germany. Aachen, 2004. p. 27-30.

\* Leomar, P., Tamre, M., Vaher, T. Estonian making steps towards joining international UAV Community // Proc. of Conf. EURO UAV : 2004, France, [11] p.

Link, S., Kask, Ü. Biomassi gaasistamine ja saadava gaasi kasutamine // Ehituskaar (2004) 2, lk. 16-18.

\* Liu, J., Lei, J., Magtoto, N., Rudenja, S. et al. The effects of an iodine surface layer on Ru reactivity in air and during Cu // Journal of the Electrochemical Society. **152** (2004) 2.

\* Loosaar, J., Parve, T. Emission measurements TTU // "XIII Valtakunnalliset päästömittajapäivät" : Finland, Lahti, 01.–02.2004, p. 15.

Luik, A. Innovation in Estonian enterprises. Challenges and tasks for national innovation system in the European Research Area // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 261-263.

Lõun, K., Tammoja, P. Quality functions as key factors for organization development // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 257-260.

Mesila, E. Mihkel Pikner : 03.09.1936–29.01.2003 // Tallinna Tehnikaülikooli aasta-raamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 396-397.

Mikkor, A., Roosimölder, L. Programmable logic controllers in process automation // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 63-65.

\* Muiste, P., Roostalu, H., Padari, A., Paist, A., Kask, Ü., Orru, M. Sustainable balance of biofuels supply-demand in Estonia // Proceedings of 2<sup>nd</sup> World Conference on Biomass for Energy, Industry and Climate Protection : 10–14 May 2004, Rome. Rome, 2004. p. 568-571.

Nešumajev, D., Ots, A., Laid, J., Tiikma, T. Experimental investigation of various turbulator inserts in gas-heated channels // Experimental thermal and fluid science. **28** (2004) p. 877-886.

\* Ots, A., Laid, J., Nešumajev, D., Tiikma, T., Must, P. Effective universal water heating boiler for wood pellets // Proceedings of World Sustainable Energy Days 2004 : Wels, Austria, 3–4.03.04. Wels, 2004. p. 344.

\* Ots, A. Corrosive-erosive wear mechanism of boiler heat transfer surfaces // Life management and maintenance for power plants. Utkivare-Publishers, 2004. p. 187-196.

Ots, A. Oil shale combustion technology // Oil shale. **21** (2004) 2, p. 149-160.

\* Otto, T., Papstel, J., Riives, J. Knowledge management in the framework of technological resources network // Machine engineering. **4** (2004) 1/2, p. 21-28.

Paist, A. Aadu Paisti sõnavõtt : [I.Öpiku ja B.Tamme büstide avamisel akadeemikute alleel 17. sept. 2003] // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 49-50.

Paist, A., Kask, Ü., Kask, L. Pilliroo põletuskatsete tulemusi // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandusülikool, 2004. lk. 53-59.

Paist, A. New epoch in Estonian oil shale combustion technology // Oil shale. **21** (2004) 3, p. 181-182.

Paist, A. Professor Aadu Paisti kõne akadeemik Ilmar Öpiku rinnakuju avamisel // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 53-54.

Papstel, J. Mehaanikateaduskond : [TTÜ 85. aastapäeva tähistamisest] // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 103.

Papstel, J. Perspectives of the third level education in manufacturing engineering // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 264-267.

Parve, T., Paist, A., Nuutre, M., Aluvee, R. Biokütuste tuha koostise mõju katla tööle // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandusülikool, 2004. lk. 60-63.

Pirso, J., Letunovitš, S., Viljus, M. Friction and wear behaviour of cemented carbides // Wear. **257** (2004) p. 257-265.

Pirso, J., Viljus, M., Letunovitš, S. Sliding wear of TiC-NiMo cermets // *Tribology international*. **37** (2004) p. 817-824.

Pohlak, M., Küttner, R., Majak, J., Karjust, K., Sutt, A. Experimental study of incremental forming of sheet metal products // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004*, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 145-148.

Pohlak, M., Küttner, R., Majak, J., Karjust, K., Sutt, A. Simulation of incremental forming of sheet metal products // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004*, Tallinn, Estonia. Tallinn : DAAAM National Estonia, Tallinn University of Technology, [2004]. p. 149-151.

Pohlak, M., Küttner, R., Majak, J. Modelling and optimal design of the incremental forming process // *Proceedings of the Estonian Academy of Sciences. Engineering*. **10** (2004) 4, p. 261-269.

\* Pohlak, M., Küttner, R., Majak, J. Simulation of incremental forming processes of sheet metal // *Proceedings of 3<sup>rd</sup> International Conference on Advances in Production Engineering : Poland, 2004*, p. 133-140.

\* Pokropivny, A.V., Lõhmus, R., Erts, D., Hussainova, I., Olin, H., Lõhmus, A. Transformations of gold nanocontacts studied by molecular dynamics simulations // *Proceedings of International Conference on Nanotechnology NANOTECH 2004 : January 8–12, 2004, Boston USA*.

Portjanski, L. Geometrical modelling techniques to develop a metal structure design space // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004*, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 70-73.

\* Preis, I., Sergejev, F. Microstructural aspects of fatigue mechanics of hardmetals and cermets // *Macchine Utensili* (2004) July, p. 66-70.

Resev, J., Roosimõlder, L. Torque distribution control unit in automotive propulsion systems // *Proceedings of the Estonian Academy of Sciences. Engineering*. **10** (2004) 4, p. 290-299.

Resev, J., Roosimõlder, L. Virtual differential as torque distribution control unit in automotive propulsion systems // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004*, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 74-77.

Riives, J., Otto, T., Papstel, J. Monitoring of technological resources for extended usage // *Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004*, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 272-275.

Riives, J., Papstel, J., Otto, T. Possibilities of the INNOMET system for human resources development in enterprises // *Proceedings of the 4<sup>th</sup> International*



Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 276-278.

Riives, J. Kutsevalifikatsioonisüsteem ja selle rakendamine Eesti masinatööstuses // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 29-33.

Riives, J. TTK lõpetanu – tööandja ootused // Tallinna Tehnikakõrgkooli Toimetised. **5** (2004) lk. 46-52.

Roos, I. Ühisrakendusprojektide teostamisest Eestis // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandus-ülikool, 2004. lk. 97-105.

Roosimõlder, L., Eerme, M. Mehaaniliste struktuuride modelleerimine tootearenduses // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 23-28.

\* Rämmal, H., Lavrentjev, J. Experimental acoustic characterization of IC-engine simulated hot exhaust system // Proceedings of INTER-NOISE. Praha, 2004.

Saarna, M., Laansoo, A. Characteristics of rails and rail welds // Engineering Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia, Riga, 2004. p. 41-45.

Saarna, M., Laansoo, A. Rail and rail weld testing // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 223-225.

Sannik, U., Pappel, T. Complete milling technologies of different valuable materials // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 152-154.

\* Sarkans, M., Roosimõlder, L., Rokk, R. Product platform modularisation of luminaire light sources // Proceedings of NordDesign 2004 Conference : 18–20 August, Tampere, Finland. Tampere, 2004. p. 73-77.

\* Sarkans, M., Roosimõlder, L. Module reuse in product platform architecture // Machine engineering. **4** (2004) 1/2, p. 45-51.

Schwaller, P., Patscheider, J., Kollo, L., Michler, J. Microtribological studies of different nanocomposite TiC/a-C:H coatings using a modified nanoindentation setup // Tribology letters. **17** (2004) 4, p. 757-763.

Sell, R., Tamre, M. Mechatronics system design process and methodologies // EPE-PEMC 2004 : 11<sup>th</sup> International Power Electronics and Motion Control Conference : 2–4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems. Riga : Riga Technical University, c2004. p. 6-20 - 6-25.

\* Sell, R., Tamre, M. New object-oriented approach of modelling mechatronics system in conceptual stage // Proc. of 5<sup>th</sup> Int. Workshop on Research and Education in Mechatronics. [S.l.] : Wydawnictwo Politechniki Swietokrzyskiej w Kielcach, 2004. p. 75-80.

Sell, R. Mechatronics system design in conceptual stage // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 82-85.

Shin, C.-S., Rudenja, S., Gall, D., Hellgren, N., Lee, T.-Y., Petrov, I., Greene, J.E. Growth surface morphology, and electrical resistivity of fully strained substoichiometric epitaxial TiN<sub>x</sub> (0.67≤x<1.0) layers on MgO(001) // Journal of applied physics. **95** (2004) 1, p. 356-362.

Soosaar, S. Energiakasutus hoonetes tõhusamaks! // Elamu (2004) 5, lk. 12-13, 40-41. Rõõptekst vene keeles.

Stepanov, A., Laansoo, A. Application of statistical methods in assessing the quality of welding // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 287-289.

\* Strizak, V., Penkov, I., Pappel, T. Evolution of design, use and strength calculations of screw threads and threaded joints // International Symposium on History of Mashines and Mechanisms : HMM04 : Cassio, Italy. Dordrecht : Kluwer Academic Publishers, 2004. p. 243-257.

Sutt, A., Küttner, R., Pohlak, M., Karjust, K. Development of the experimental integrated design environment for progressive cuttings dies // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 161-164.

Ševtšenko, E. MRP systems research // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 283-286.

\* Zimakov, S., Keränen, M. PTA welding cladding for wear and corrosion protection // Abstracts of 6<sup>th</sup> Powder Metallurgy R&D Net Work Seminar : 29–30 Jan. 2004, Tampere, 2004.

Zimakov, S., Mikli, V., Kulu, P., Tarbe, R. Wear resistant thermal sprayed coatings on the base of recycled hardmetal powder // Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23–24, Riga, Latvia. Riga, 2004. p. 83-88.

Tars, P., Roosimölder, L. Modularization of waste water purification device // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 94-97.

Teder, L., Pappel, T. Detection of cavitation in pumps through higher order derivatives // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 98-101.

Telliskivi, T., Olofsson, U. Wheel-rail wear simulation // Wear. **256** (2004) 11, p. 1145-1153.

Telliskivi, T. Simulation of wear in a rolling-sliding contact by a semi-Winkler model and the Archard's wear law // *Wear*. **256** (2004) 7/8, p. 817-831.

Tiikma, T. Harri Käär – õpetaja ja õpetlane = Harri Käär – teacher & scholar // Harri Käär. Publikatsioonid = Harri Käär. List of publications. [Tallinn] : TTÜ kirjastus, 2004. lk. 10-30.

Tähemaa, T. Trends in positive and negative synergy at mechatronic systems // Proceedings of the 4<sup>th</sup> International Conference Industrial Engineering – New Challenges to SME : 29–30 April 2004, Tallinn, Estonia. Tallinn : DAAAM National Estonia, [2004]. p. 102-105.

Vainola, V., Kübarsepp, J., Klaasen, H., Loel, R. Karbiidkomposiitide abrasiiv-erosioon- ja hõõrdekulumine // Tallinna Tehnikakõrgkooli Toimetised. **4** (2004) lk. 66-71.

Vallikivi, A. Riskiõpetus ja majanduslik mõtlemine // Haridus ja majandus 2004 : rahvusvahelise teaduskonverentsi materjalid : [6. mai 2004, Tallinn]. Tallinn, 2004. lk. 142-145.

\* Veski, A., Paist, A., Tiikma, T., Borovikov, V. Characteristics of flame at burning on grate // Proceedings of 2<sup>nd</sup> World Conference on Biomass for Energy, Industry and Climate Protection : 10–14 May 2004, Rome. Rome, 2004. p. 1326-1329.

Veski, A., Tiikma, T. Biokütuste veekateldes põletamise soojustehnilistest probleemidest // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandusülikool, 2004. lk. 88-96.

Veski, R., Palu, V., Bljaghina, I., Kruusement, K., Vink, N., Kask, L., Kask, Ü. Pilliroo termokeemiline destruktsioon // Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik. Tartu : Eesti Põllumajandusülikool, 2004. lk. 72-79.

## MUUD VÄLJAANDED

### Üleülikoolilised väljaanded

#### Muud struktuuriüksused

#### *Raamatud*

Aasma, K., Pihlamägi, O. jt. XX sajandi kroonika. Eesti ja maailm. 17.06.1940–31.10.1961. II osa. [Tallinn] : Eesti Entsüklopeediakirjastus, c2004. 591 lk.

Arumaa, H. (comp.). Tallinn University of Technology : annual report 2003. Tallinn : TUT Communications Office, c2004. 40, [2] p.

Arumaa, H. (koost.). Tallinna Tehnikaülikool : aasta 2003. [Tallinn] : TTÜ kommunikatsiooniosakond, c2004. 40, [2] lk.

#### MUUD VÄLJAANDED

Arumaa, H., Joorik, A. (koost.). Tudengi aabits : 2004/2005. õppeaasta. [Tallinn] : TTÜ kommunikatsiooniosakond ja üliõpilasesindus, c2004. 43 lk.

Bakalaureuse-, inseneri- ja rakenduskõrgharidusõppe teatmik [2004]. [Tallinn], 2004. 269 lk.

Magistri- ja doktoriõppe teatmik [2004]. [Tallinn], 2004. 198 lk.

Piirsoo, K. (koost.). Vastuvõtutingimused ja -kord. [Tallinn], 2004. 36 lk.

Prööm, R. (koost.). Eesti tehnikaartiklid 1928–1935 : bibliograafia. Tallinn, 2004. 555 lk. (Tallinna Tehnikaülikooli raamatukogu töid. B ; 5).

Seepõld, M. (koost.). Tehnoloogiamess 2004 : Tallinna Tehnikaülikool : kataloog. [Tallinn, 2004]. 25 lk.

Tallinna Tehnikaülikool : lõpetajad anno 2004 : [suvi : nimekiri]. [Tallinn], 2004. [32] lk.

Tallinna Tehnikaülikool : lõpetajad anno 2004 : [talv : nimekiri]. [Tallinn], 2004. [20] lk.

Teder, E., Kirss, E. (koost.). Stipendiumitaotleja meelepea. Tallinn, 2004. 102, [2] lk.

#### *Artiklid*

Agurajuja, R. TTÜ Raamatukogu loodud veebikeskkond: erialainfo otsing magistrantidele = The web environment developed by the Tallinn University of Technology Library: scientific information retrieval for postgraduates // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 29-31.

Engelbrecht, J., Kaljo, D., Kulbach, V., Mõtus, L., Raukas, A., Veiderma, M. jt. Arvamusi akadeemikutelt // Eesti Teaduste Akadeemia aastaraamat 2003. Tallinn : Eesti Teaduste Akadeemia, 2004. lk. 164-186.

Ideon, M., Ideon, U. E-ajakirjade kasutamine Tallinna Tehnikaülikoolis = The use of e-journals in Tallinn University of Technology // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 15-18.

Jegorov, G. Videofilmist "Tallinna Tehnikaülikool - 85" // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 44.

Järs, J. Współpraca estońskich bibliotek naukowych : kwestie integracji i wspólnego korzystania z zasobów [Electronic resource] // EBIB. **61** (2004) 10, [7] p. URL <http://ebib.oss.wroc.pl/2004/61/jars.php>.

Järs, J. Cooperation between Estonian research libraries : integration and resource sharing issues [Electronic resource] // Library management in changing environment : proceedings of the 25<sup>th</sup> Annual IATUL Conference : Krakow, Poland, May 30–June 3, 2004. Cracow : The Library of Cracow University of Tehnology, 2004. [9] p. [CD-ROM]. (IATUL proceedings. Vol. 14 (New series)).

Järs, J. Kommentaariks : Andres Kollisti artiklile "Vastandite ühtsus ja võitlus. Ülikoolid ja teadusraamatukogud vajavad muudatusi" (Sirp, 5. nov. 2004, lk. 3) // Raamatukogu (2004) 6, lk. 6-7.

Järs, J. New generation information system of public libraries // Information technology in public administration of Estonia : yearbook 2003. Tallinn, 2004. p. 46-48.

Järs, J. Ülikooliraamatukogu arengutest = Advances in the field of university library // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 5-9.

Kaasik, I. Näitus "Tallinna Tehnikaülikool 1918 – 2003" : 8.–30. september 2003 // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 83.

Kaasik, I. Paul Kogermani eluloo daatumid // Paul Kogerman ja tema aeg. Tallinn : Teaduste Akadeemia kirjastus, 2004. lk. 11-13.

Kaasik, I. Publikatsioonide valiknimestik ; Valik kirjandust Paul Kogermani kohta // Paul Kogerman ja tema aeg. Tallinn : Teaduste Akadeemia kirjastus, 2004. lk. 205-215, 217-218.

Kaasik, I. Rektor, haridus- ja riigitegelane // Paul Kogerman ja tema aeg. Tallinn : Teaduste Akadeemia kirjastus, 2004. lk. 69-96.

Kangro, T. Telesari "Insenerid" – TTÜ sõnum avalikkusele // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 10-12.

Keevallik, A. Rektor Andres Keevalliku aastapäevakõne // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 55-57.

Keevallik, A. Mida arendada, mida mitte // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 11-13.

Keevallik, A. Oht jääda odavaks allhankemaaks // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 165-167.

Keevallik, A. Rektor Andres Keevalliku kõne : [TTÜ nõukogu pidulikult istungil 17. sept. 2003] // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 43-46.

Kikas, K., Ideon, M., Järs, J. Sõna saavad direktorid : [TTÜ raamatukogu tegevusest alates aastast 1961] // Raamatukogu (2004) 6, lk. 8-11.

Kikas, K., Ideon, U. UDK-I baseeruv andmebaas "Õppeained ja teadustööd Tallinna Tehnikaülikoolis" = UDK-based database "Disciplines and research projects in "Tallinn University of Technology" // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 10-13.

Koidla, G. Koostööst TTÜ Raamatukogu ja Soome raamatukogude vahel = Cooperation between the Tallinn University of Technology Library and libraries in Finland // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85.

MUUD VÄLJAANDED

aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 35-38.

Koidla, G. Teaduskonverents "Ülikooliraamatukogu täna" // Raamatukogu (2004) 6, lk. 12.

Kübarsepp, J. Kaugõpe võimaldab ühildada töötamise ja õppimise // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 148-150.

Nurmiste, T. E- on edukuse mõõdupuu // Raamatukogu (2004) 2, lk. 6-8.

Nurmiste, T. Infoteenindus uute võimaluste otsingul = Information service in search of new possibilities // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 27-28.

Nurmiste, T. Infoteenindus uute võimaluste otsingul // Raamatukogu (2004) 6, lk. 13-16.

Ojam, H. Rektor Boris Tamme isikuarhiivist Tallinna Tehnikaülikooli Raamatukogus = Personal archive of rector Boris Tamm in the Tallinn University of Technology Library // Ülikooliraamatukogu täna : Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 32-34.

Pihlamägi, O. Lõputekst kontserdil Estonia Kontserdisaalis // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 45.

Rüütman, T. Technical teacher education problems in Estonia // 7<sup>th</sup> Teacher Education Spring University (TESU) : European added value in teacher education: the role of teachers as promoters of basic skills acquisition and facilitators of learning : 6-8 May 2004, University of Tartu, Estonia : programme and abstracts. [S.l.] : ATEE, 2004. p. 70-71.

Sogenbits, S., Jantson, S. Aleksander Sibul 120 // Raamatukogu (2004) 6, lk. 37-39.

Sürje, P. Eesti teaduse üheksa tarka? // Tallinna Tehnikaülikooli aastaraamat 2003. Tallinn : TTÜ kirjastus, c2004. lk. 188-190.

Sürje, P. Rahastamine ja võimalik koostöö // Raamatukogu (2004) 3, lk. 4.

Tamkivi, R. Helsinki and Tallinn – Twinned cities for science // Regional indicators of the information society : towards a sustainable information society : selected articles. Tallinn, 2004. p. [22].

Tibar, A. Infovajadust ja infootsikäitumist mõjutavad tegurid // Eesti sotsiaalteaduste aastakonverents IV : 24.-25. november 2003 : ettekannete ja teeside kogumik. Tallinn : TPÜ kirjastus, 2004. lk. 76-78.

Tibar, A. Tallinna Tehnikaülikooli õppejõudude ja teadurite infovajadused ja infootsikäitumine: esialgsed kokkuvõtted ankeetküsitlusest = Information needs and information seeking behaviour of academic staff in Tallinn University of Technology: preliminary findings of the questionnaire survey // Ülikooliraamatukogu täna :

PUBLIKATSIOONID

Tallinna Tehnikaülikooli Raamatukogu 85. aastapäeva teaduskonverents : 11. november 2004 : ettekannete teesid. Tallinn, 2004. lk. 20-24.

Ummelas, M. Tallinna Tehnikaülikooli uue energeetikamaja avamine // Elektriala (2004) 4, lk. 20.

Ummelas, M. Tänuks ülikooli juubeli tegijatele // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 107.

Vahtra, M. (koost.). TTÜ 85. aastapäeva puhul ilmunud väljaanded : [bibliograafia-nimestik] // 85 aastat Tallinna Tehnikaülikooli. Tallinn, 2004. lk. 116-118.

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