

TTÜ KURESSAARE KOLLEDŽ
TEADUS- JA ARENDUSTEGEVUSE AASTAARUANNE 2014

1. Struktuur

TTÜ Kuressaare Kolledž, *Kuressaare College of Tallinn University of Technology*

direktor /*Director* **Anne Keerberg**

- Ettevõtluse ja humanitaarainete lektoraat, *Division of Business Management and the Humanities*
- Reaal- ja tehniliste ainete lektoraat, *Division of the Sciences and Technology*
- Turismi, toitlustuse ja teeninduse lektoraat, *Division of Tourism, Catering and Service*
- Õpperaamatukogu, *Library*
- Väikelaevaehituse kompetentsikeskus, *Small Craft Competence Centre*

2. Teadus- ja arendustegevuse (edaspidi T&A) iseloomustus

- R&D activities according to the Strategic Plan 2011-2015 of Kuressaare College:
 - Development of the Small Craft Competence Centre
 - Development of the competence in tourism industry
 - Contributing to the islands' socio-economic development
- Small Craft Competence Centre (SCC)
Head of SCC **Anni Hartikainen**

In 2011, the Small Craft Competence Centre was established as an R&D unit in Kuressaare College of TUT. The objective of the centre is to accumulate and develop engineering knowhow in the region and to transfer it to companies as well as to facilitate intersectoral cooperation. The fields of expertise of SCC are boat design, production technology and electronic systems. The centre also includes a unique in the Baltic region tank of 60 m length for testing boat models. Next to relevant equipment, the centre has a library to collect boat-building connected information. Intersectoral cooperation covers a variety of production spheres, educational establishments, public sector institutions as well as international cooperation with small craft building regions in other countries. SCC will reach its full capacity at 2015. Further information: www.scc.ee.

In 2014, the project of developing the Small Craft Competence Centre continued. During the year, SCC provided and developed new research services to companies. In August 2014, SCC arranged an annual visionary seminar on small craft building, addressing the new technologies and ongoing scientific projects related to small craft building sector. For the first time, the seminar was followed by a practical workshop "Adhesive joints of small craft". Kuressaare College continued its participation in the ongoing TUT research project Smart Composites – Design and Manufacturing (2012-2014). The SCC materials expert involved in the project, Ms M. Valgma defended her PhD at Southampton University on 2014. Starting from August 2014 a new materials' development project (Horizon) is being prepared in cooperation with Southampton and Aalto Universities.