Job posting

Type of position
☒ scientific
☐ administrative

Target group
☐ graduates
☐ post docs
☐ other

Title
Professor, ERA Chair Holder on Cybersecurity in Maritime (MariCybERA)

Institution
Tallinn University of Technology (TalTech) is an international scientific community with 11,000 students and approximately 1,800 employees, one of the largest universities in Estonia that is a leading EU country in digitalization. The strengths of the university are wide multidisciplinary study/research interests, modern research and study environment as well as good collaboration with international educational and research institutions.


Position
Tallinn University of Technology invites applications for a professor position (in the category Leading Researcher – R4 or Established Researcher – R3) in Maritime Cybersecurity.

In the framework of the EU-funded Horizon2020 project entitled “ERA Chair in Maritime Cyber Security at Tallinn University of Technology “, with acronym MariCybERA (grant agreement No 952360-MariCybERA), it is currently open a job position for ERA Chair holder, a leader of the group with the expertise in the field of Maritime Cybersecurity, at Tallinn University of Technology (TalTech), Estonia. The vacancy is open for application up to 30/04/2021. Expected starting date of the contract is 01/09/2021.

The European and international maritime industries face serious threats from cybercriminals. TalTech is part of an Estonian ecosystem of cybersecurity and maritime actors. To unite Estonia’s capabilities in a focused and integrated manner, TalTech will recruit an outstanding researcher and research coordinator to be the ERA Chair Holder (together with a team of experienced researchers) who will head a new, multidisciplinary Centre for Maritime Cyber Security at TalTech.

The ERA Chair Holder will work closely together with the teams of School of Information Technologies and Estonian Maritime Academy, and strengthen existing as well as establish new collaboration agreements with the industry. The ERA Chair
holder will be responsible for establishing the research strategy in the field of Maritime Cybersecurity at TalTech. This includes defining research priorities, securing research funds, establishing an international network, and creating partnerships with different types of organizations.

**Responsibilities**

ERA Chair holder will:

- setup the Centre for Maritime Cyber Security at TalTech;
- manage the Centre for Maritime Cyber Security research team and supervise PhD students in the field, as well as increase the attractiveness of the institution for internationally excellent researchers, as well as integrate the research capabilities from TalTech’s Estonian Maritime Academy and TalTech’s Centre for Digital Forensics and Cyber Security;
- develop internal processes to consolidate long-long-term R&I excellence, while contributing to strengthen the European Research Area (ERA);
- apply for European research funds (e.g., Horizon Europe), as well as to national and other international funding opportunities expand TalTech’s research and business community networks internationally;
- support the strategic goal of becoming the leading European institution in the field on maritime cybersecurity.

The successful candidate is expected to establish and maintain an internationally recognized research in the area of maritime cybersecurity, fostering the research excellence in three research sub-topics: marine communication; human aspects of cybersecurity; cybersecurity aspects of maritime technology.

The Professor is expected to develop proposals for research grants, to develop new postgraduate training programmes in maritime cybersecurity, build networks with both academic and non-academic partners in research and technology transfer projects, publish in indexed journals, but also to teach at the undergraduate and postgraduate levels, supervise BSc/MSc and PhD candidates, as well as contribute to the staff training and curriculum development on innovative research-based teacher education and related university services.

**Requirements**

Candidates have to have a PhD in Cybersecurity or Computer Science or similar area. Applicants have to demonstrate a proven record of effective leadership complemented with an outstanding track-record of scientific publications in highly reputable journals and conferences. The candidate should demonstrate the ability to contribute to the curriculum on cybersecurity in TalTech. Applicants have to be able to conduct high-quality teaching and advising at undergraduate and graduate levels. Additional capacities include an international reputation based on research excellence, track-record in
obtaining research funding, leading research group as well as skills at managing and supervising other researchers and students.

Preferred Qualifications

A background in maritime systems or maritime cybersecurity is encouraged. A track-record of industry experience/collaborations is also highly desirable. A record of excellence in public engagement is desirable.

The candidate selection criteria will include research excellence, research publications, record of successful funding applications, overview of leadership experience, a track record of successful supervisions and motivation. Preference will be given to candidates showing significant results at the research quality outlined by highly cited publications, ability to lead teams and to increase funding.

Application procedure (deadline etc.)

To apply for this job please send the following documents (in English) by 30 April 2021 at the latest (the application deadline) by Euraxess platform Professor, ERA Chair Holder on Cybersecurity in Maritime (MariCybERA) | EURAXESS (europa.eu):

- motivation letter;
- cover letter detailing how the candidate meets the minimum and preferred qualifications of the position;
- Curriculum Vitae listing all published or submitted publications and grant proposals as PI or co-PI, and industrial or other relevant professional experience;
- documents proving that candidate holds the required academic degree (a PHD or an equivalent qualification);
- statement of teaching with the list of courses taught with evidence of teaching excellence;
- statement of research;
- a vision of the future position;
- other documents considered important by the candidate;
- a list of three (3) professional references with contact information.

Contact

For further information, please contact Professor Olaf Manuel Maennel, Department of Software Sciences (olaf.maennel@taltech.ee).