

Associate/Full Professor of Cyber Security

Faculty/department Electrical Engineering, Mathematics and Computer Science
Level PhD degree
Maximum employment Maximum of 38 hours per week (1 FTE)
Duration of contract Fixed appointment
Salary scale €5219 to €7599 per month gross

Electrical Engineering, Mathematics and Computer Science

The Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) is known worldwide for its high academic quality and the social relevance of its research programmes. The faculty's excellent facilities accentuate its international position in teaching and research. Within this interdisciplinary and international setting the faculty employs more than 1100 employees, including about 400 graduate students and about 2100 students. Together they work on a broad range of technical innovations in the fields of sustainable energy, telecommunications, microelectronics, embedded systems, computer and software engineering, interactive multimedia and applied mathematics. EEMCS: Your Connection to the Future.

The Department of Intelligent Systems (INSY) conducts research on processing, interpretation and securing of data. Our aim is to enable people and machines to deal with the increasing volume and complexity of data and communication. We have a strong focus on security, multimedia, and health sciences. The Department pursues its mission by combining fundamental research, engineering and design approaches to model- and knowledge-based methods and algorithms. We actively seek research and technology-transfer collaboration with international scientific peers, companies, and societal organisations.

The cybersecurity section focuses on network security, secure data processing, and situation awareness in cyberspace. Our research encompasses (a) network protocols and the design of resilient network architectures; (b) machine learning techniques for situational awareness; (c) discovery of malicious activities and software through data analytics; and (d) hiding sensitive data by means of cryptographic techniques. Collaborations exist in the domains of vital infrastructures, healthcare and forensics. We teach (cyber)security courses in the BSc and MSc computer science programme.

Job description

The section's research and education portfolio is rich and deals with several perspectives on cybersecurity. We value the diversity of our portfolio within the scope of theory and engineering of cybersecurity for distributed systems and networks in a socio-technical context. The vacant cybersecurity position will function as the mainstay for cybersecurity research and education, without assuming that the appointed Associate/Full Professor is expert in all aspects of the section's scope. The Associate/Full Professor will be employed at the Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS). (S)he will continue the commenced strategy to leverage the complementary expertise at the Faculties of EEMCS and Technology, Policy and Management (TPM). The aim is the creation of joint research projects as well as education and technology transfer activities, thus combining the computer science and socio-technical perspective on cybersecurity.

Requirements

The applicant has a strong affinity for teaching and modern education methods. S(he) has proven education experience and a research track record in computer science, mathematics, or electrical engineering. (S)he holds a doctoral degree in a field relevant

for the position. In addition, the applicant preferably has experience with socio-technical perspectives on cybersecurity research and/or education (e.g., ethics, usability and acceptability, legislation). The applicant brings a well-developed international network. (S)he can function as the senior and intellectual leader of the cybersecurity section.

Conditions of employment

The TU Delft offers a customisable compensation package, a discount for health insurance and sport memberships, and a monthly work costs contribution. Flexible work schedules can be arranged. An International Children's Centre offers childcare and an international primary school. Dual Career Services offers support to accompanying partners. Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities.

The TU Delft sets specific standards for the English competency of the teaching staff. The TU Delft offers training to improve English competency.

Inspiring, excellent education is our central aim. If you have less than five years of experience and do not yet have your teaching certificate, we allow you up to three years to obtain this.

Information and application

For more information about this position, please contact Prof. R. L. Lagendijk, phone: +31 (0)15-2783731, e-mail: R.L.Lagendijk@tudelft.nl. To apply, please e-mail a detailed CV, three publications, and statements on research, education and valorisation along with a letter of application by 1 July 2016 to A. J. Prummel, Hr-eemcs@tudelft.nl. When applying for this position, please refer to vacancy number EW12016-16.