AKATECH

Assistant Professor

Ecole/Institution/Société:
University of Twente, **Netherlands / Enschede**

Discipline:
Cyber Security

Type d'emploi::
Full-time

Date de publication:
2022-04-12

Personne à contacter:
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Assistant and Associate Professor positions in Cybersecurity

Job description

The challenge

We live in a digital society. People and organizations depend on the ubiquitous availability of data provided by connected digital devices and other computer systems. Therefore, they have to rely on the security, privacy and trust of data handled by these systems.

To get access to valuable data, these systems are continuously under threat of attacks, unintentionally initiated by normal users or intentionally by hackers, criminals but also companies and nation states. It is therefore of key importance that data is stored, transmitted and processed in a secure, trusted, resilient and privacy-aware way, and – accepting that we live in a world where attacks remain a major threat – are able to detect, respond to and recover from data attacks.

The SCS group

SCS works on the design and analysis of trustworthy and secure services that are realized by the complex cooperation of human and software agents. Due to the central role of data, our cybersecurity research strategy follows a data-centric approach.

This approach tackles the challenge of defending computer systems as a whole from two different angles: security for data and data for security. Security for data focusses on methods, techniques, and tools for secure data management during storage, transmission, and processing of data. Data for security focusses on methods, techniques, and tools analyzing behavioral and architectural data of services, systems, and communication in order to predict, identify, prevent and mitigate data cyberattacks.

Both research directions are based on the analysis of existing systems, software and services in their context but also on the design of novel systems. Our cybersecurity education activities include fundamental bachelor courses on cybersecurity –ranging from cryptography and data security to system security and AI for security– and advanced cybersecurity master courses that are tightly coupled with our research, ranging from secure data management, software and system security, to secure cloud computing and privacy-enhancing technologies.

More information about the group: https://www.utwente.nl/en/eemcs/scs/

Embedding in TUCCR

The SCS cybersecurity research is one of the pillars of the Twente University Centre for Cybersecurity Research, TUCCR. The centre is a public-private partnership between the University Twente, public-private knowledge organizations and industry. TUCCR brings together cybersecurity researchers from various research groups of the University of Twente with researchers and innovation managers from the participating organizations and industries in order to deliver cybersecurity solutions to industry and society at large.

More information about the centre: https://www.utwente.nl/en/digital-society/research/themes/TUCCR/

Your profile

Scientific excellence is a must and should be demonstrated by high-quality output. A successful candidate will also demonstrate her or his intrinsic motivation and strong abilities for teaching at the bachelor and master level. We value a vision on academic teaching, blending the physical and digital experience. The candidate should have excellent communication skills, allowing efficient interaction with colleagues.

- You have a PhD in Computer Science with a track record of scientific publications in the area of data and service cybersecurity.
- You are motivated by practical applications of your research both in industry as well as society at large.
- You have strong abilities for high-quality research and teaching in a multidisciplinary context.
- You are effective in acquiring external funding.
- You are a team worker, capable of strengthening the SCS group and able to contribute to TUCCR.
- You are fluent in English. Knowledge of, or willingness to learn Dutch is an advantage.
- You have a University Teaching Qualification (Dutch: BKO) or equivalent, or are willing to acquire one within three years.

Our offer

- We offer a structural position, starting with a temporary appointment with the prospect of a permanent position after a positive evaluation.
- For candidates with exceptional qualities, the possibility of a tenure track exists.
- Our terms of employment are in accordance with the Dutch Collective Labor Agreement for Universities (CAO) and include a holiday allowance of 8% of the gross annual salary and a year-end bonus of 8.3 %.
- Depending on your relevant background and experience, the gross monthly salary on a full-time basis ranges from € 3.821,- to € 7.079,- per month.
- A minimum of 29 leave days in case of full-time employment based on a formal workweek of 38 hours. A fulltime employment in practice means 40 hours a week, therefore resulting in 96 extra leave hours on an annual basis.
- A family-friendly institution that offers parental leave (both paid and unpaid) and career support for partners.

Furthermore, we offer excellent professional and personal development programs.

Finally, you will work in a lively, inspiring and dynamic working environment in an organization focusing on internationalization, where you will have a high degree of responsibility and independence.

Information and application

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Are you interested in joining our team? Please submit your application before May 9, 2022 via the "Apply Now" button below, including:

- A curriculum vitae (including, list of publications, research and teaching statement)
- A cover letter in which you describe your motivation and qualifications for the position.
- You are welcome to contact dr.ir. M.J. van Sinderen via m.j.vansinderen@utwente.nl, for any questions you might have.

We would very much like to increase the number of women in the department. Therefore we warmly invite women to apply.

About the organization

The faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) uses mathematics, electronics and computer technology to contribute to the development of Information and Communication Technology (ICT). With ICT present in almost every device and product we use nowadays, we embrace our role as contributors to a broad range of societal activities and as pioneers of tomorrow's digital society. As part of a people-first tech university that aims to shape society, individuals and connections, our faculty works together intensively with industrial partners and researchers in the Netherlands and abroad, and conducts extensive research for external commissioning parties and funders.

Our research has a high profile both in the Netherlands and internationally. It has been accommodated in three multidisciplinary UT research institutes: Mesa+ Institute, TechMed Centre and Digital Society Institute.

Job details

Title: Assistant and Associate Professor positions in Cybersecurity

Employer: University of Twente

Location: Drienerlolaan 5 Enschede, Netherlands

Job type: Assistant / Associate Professor

Field: Computational Sciences, Cyber Security, Informatics

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