



The Computer Science department of the Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) is one of the largest academic institutions in computer science in the Netherlands, with 220 faculty members and 1200 students. It provides courses in Technical Computer Science, Business Information Technology, and Telematics. In addition, the department contributes to computer science education within other academic programmes. The research of the department is part of the multidisciplinary research institute Centre for Telematics and Information Technology (CTIT).

The Distributed and Embedded Systems (DIES) and Information Systems (IS) research groups of EEMCS together have fulltime vacancies for

two PhD candidates

in the area of security policy specification and intrusion detection

The PhDs will do research in the context of the SENTINELS (STW) project “IPID” (see <http://www.cs.utwente.nl/~patveck/?page=IPID>). The purpose of the IPID project is to link business-level security policies to detailed software security policies, and to relate low-level intrusion attempts to high-level violations of these business-level policies.

The DIES PhD candidate will develop methods and tools for the deployment of security policies on the ICT infrastructure, by linking logical policies to configuration changes. In addition, she or he will employ formal methods (e.g. model checking) to analyze security-related events.

The IS PhD candidate will study methodological support for finding and specifying business-level security policies, as well as how information coming from operational security systems can be used in IT governance processes at the business level. This involves requirements engineering in case studies that will be carried out at our industrial partners.

We ask: For the DIES PhD candidate: A MSc degree, or equivalent, in Computer Science, Mathematics, or Electrical Engineering, and affinity with formal logic and modeling. For the IS PhD candidate: A MSc degree, or equivalent, in Computer Science, Software Engineering or Information Systems, affinity with enterprise architecture, conceptual modeling and case study research. For both candidates: good

communication skills, in writing as well as oral. The main task will be to perform research, but there will be opportunities to acquire teaching experience.

We offer: An interesting temporary research position in a dynamic and international environment. You will be appointed for a period of four years. The salary starts at €1813 gross per month and grows to €2238 gross per month.

Information and application: More information can be obtained from Dr. Sandro Etalle (For the position at DIES, see below for address details) and from Dr. Pascal van Eck (For the position at IS). Also see the CTIT website at <http://www.ctit.utwente.nl/>. You are invited to apply for these positions by sending a motivation letter together with curriculum vitae, the list of courses you have followed (with grades) and the names and addresses of two references by email to etalle@cs.utwente.nl (DIES position) or vaneck@cs.utwente.nl (IS position), or by normal postal mail to either Sandro Etalle or Pascal van Eck.

DIES position:

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IS position:

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