PostDoc position Integrated Perimeter Security

The Computer Science department of the University of Twente has a 3-year PostDoc vacancy for the VISPER project on integrated perimeter security. The research is sponsored by the Dutch national security research program Sentinels (http://www.sentinels.nl) and five industrial partners.

Research
The organisational security perimeter, which once was simply defined as the fence around the premises of an organisation, is becoming increasingly hard to uphold. We call this process deperimeterisation.
It is visible in the digital domain (where data moves between organisations through networks or is even stored remotely in a 'cloud'), the social domain (where one individual may play different roles in cooperating organisations) and the physical domain (where appliances such as mobile phones and laptops move around).
Deperimeterisation poses many security problems. Proposed solutions include focussing on data-level security, using sticky policies and Hippocratic databases, possibly dropping the organisational security perimeter altogether.
The VISPER project (http://visper.eemcs.utwente.nl) takes a different approach, by trying to integrate security between the social, physical and digital domains. Specifying policies across these domains (for example based on role, location and application) creates a virtual security perimeter around the organization. In the project we will develop such policies, threat models and tools.

Team
The project team consists of researchers from both the Distributed and Embedded Security (DIES) and Information Systems (IS) research groups. In total, six staff contribute to the project, including 2 full-time PhD students. The PostDoc will become part of the DIES research group, which is headed by prof. dr. Pieter Hartel.

Organisation
The Computer Science department is part of the Faculty of Electrical Engineering, Mathematics and Computer Science at the University of Twente. As such, it is one of the largest academic institutions in computer science in the Netherlands, with 220 faculty members and 1200 students. We provide courses in Technical Computer Science, Business Information Technology, and Telematics. Our research is part of the Centre for Telematics and Information Technology (CTIT, www.ctit.utwente.nl).

What we ask and what we offer
You have completed a Ph.D. in an area that is relevant to our research, e.g. computer science, electrical engineering or mathematics. You like working in a team and have intellectual curiosity and knowledge of one or more of the following topics: information systems, distributed systems, security. Your main responsibility will be to carry out research, but there is opportunity to acquire some teaching experience.
To broaden your knowledge, you can join international exchange programs, participate in national and international conferences and workshops, and visit other research institutes and universities worldwide.
The monthly salary of a PostDoc starts at EUR 2708 per year and is negotiable.

Information and application
More information can be obtained from prof.dr. Pieter Hartel (pieter.hartel@utwente.nl, web site http://dies.cs.utwente.nl).
Candidates are invited to send their application together with curriculum vitae, and the names and addresses of two referees before May 31 2008 by email to es_jobs@cs.utwente.nl. Please quote vacancy number (06/127).