In the DACS (Design and Analysis of Communication Systems) group, we focus on the design of dependable cyber-physical systems, with a focus on security (lead by professor Pras), mobility (lead by professor Heijenk) and energy and industry (lead by professor Haverkort). The DACS group is part of the Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) at the University of Twente. We currently have a vacancies for a PhD student in the project ZERO, on zero-energy internet-of-things.

**Vacancy PhD student**

For a new large nationally funded research program on “zero-energy internet-of-things” (with in total 14 PhD students and 3 postdocs in 5 coherent projects, located at the technical universities of Twente, Delft and Eindhoven) we are looking for a PhD student working in a project on “dependable autonomous mobile computing” in a cooperation between, UT (1 PhD student), TU Eindhoven (1 PhD student) and the companies Thales Netherlands and TOPIC ICT. In the project, we will be working on next generation low-energy wearable computing systems, for which we will develop new energy-aware hardware and software, that needs to adapt to changing circumstances. We target both energy-aware design (focus at TUE), and (runtime) energy management (focus at UT). The companies Thales, TOPIC and Altran will be involved in the requirements and use-case scenario analysis, as well as support practical experimentation and overall integration activities. The selected PhD student is expected to spend part of his/her time, e.g., one day per week, at Thales in Huizen (close to Amsterdam).

**Your profile**

We are looking for an energetic PhD student holding an MSc degree in Computer Science or Electrical Engineering (or similar, such as Embedded Systems). The candidate should have a proven background and interest in computer and communication systems, preferably in energy-efficient computing, and be aware of advanced modeling concepts (stochastic models, verification).

Due to the involvement of the company Thales, we are looking specifically for candidates from EU or NATO member states.

**Your application**

Your application should encompass:

- a cover letter (explaining your specific interest and qualifications);
- a full Curriculum Vitae;
- a list of all courses (with marks) and a PDF of your MSc thesis;
- references (contact information) of two scientific staff members.

Deadline for your application is: April 16, 2018.
We offer

The University of Twente offers excellent working conditions, an exciting scientific environment, and a green and lively campus with ample sports and cultural facilities.

- Full time four-year position with a one year probation period;
- Gross salary PhD student: ranging from € 2.222 (1st year) to € 2.840 (4th year) per month (at full-time employment);
- A holiday allowance (8%) and end-of-year bonus (8.3%) apply;
- Excellent facilities for professional and personal development;
- Good secondary conditions, in accordance with the collective labor agreement CAO-NL for Dutch universities (https://www.labouragreementuniversities.nl/);
- Starting date: as soon as possible.

The PhD student will be affiliated as well with the Twente Graduate School, offering advanced courses to deepen your scientific knowledge in preparation to your future career (within or outside academia). We provide our PhD students with excellent opportunities to broaden their personal knowledge and to professionalize their academic skills. Participation in national and/or international summer schools and workshops, and visits to other prestigious research institutes and universities are normally part of the PhD program.

You will be hosted (office-wise) in the DACS group, in the Zilverling building (5th floor) on campus. DACS in total comprises over 20 people and boasts a very informal but productive working atmosphere, with staff and PhD students from various cultural backgrounds (currently 6 nationalities, but this has been over 10 recently). Women are especially encouraged to apply.

The University of Twente

We stand for life sciences and technology. High tech and human touch. Education and research that matter. New technology which drives change, innovation and progress in society. The University of Twente is the only campus university in the Netherlands; divided over five faculties we provide more than fifty BSc and MSc programs. The University of Twente has a strong focus on personal development and talented researchers are given scope for carrying out pioneering research.

The faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) comprises three disciplines that shape Information and Communication Technology. ICT is more than communication. In almost every product we use mathematics, electronics and computer technology and ICT now contributes to all of societies’ activities. The faculty works together intensively with industrial partners and researchers in the Netherlands and abroad and conducts extensive research for external commissioning parties and funders.

For further information, please contact:
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