



Delft Center for Systems and Control



The Delft Center for Systems and Control at Delft University of Technology, The Netherlands, announces an open position for an

### **Assistant Professor: Control of Mechatronic Systems**

#### **Group**

The Delft Center for Systems and Control (DCSC) is a merger of three former systems and control groups within Delft University of Technology: the groups of Electrical Engineering, Mechanical Engineering, and Applied Physics. The Center is currently composed of 15 academic staff who supervise around 35 PhD students and 30 MSc students. The teaching and research field encompasses the wide area of modeling, estimation and identification, robust control and optimization of continuous and hybrid dynamical systems. Applications include, but are not limited to, mechatronics and microsystems, robotics, sustainable industrial processes, transportation and traffic control, and physical imaging systems. DCSC is responsible for an international MSc program in Systems and Control, and participates in the BSc and MSc programs in mechanical engineering, electrical engineering, applied physics, and chemical engineering. Moreover, the group actively participates in the Dutch graduate school DISC (Dutch Institute of Systems and Control).

The Center is located within the Faculty of Mechanical, Maritime and Materials Engineering of Delft University of Technology, and has extensive laboratory facilities. It participates in the research activities of the Delft Research Centre on Mechatronics and Microsystems and the Roboned platform, which has been established to facilitate the collaboration in the area of robotics within the Netherlands. DCSC maintains cooperative research contacts with many industrial partners. See also DCSC's website: [www.dcsc.tudelft.nl](http://www.dcsc.tudelft.nl)

#### **Tasks**

The candidate will

- perform research with a substantial experimental component in mechatronics and robotics, published in peer-reviewed international journals and at major conferences;
- contribute to educational activities of the group, gives lectures, coordinates and supervises projects in the area of mechatronics and embedded control systems;
- build and maintain a network of contacts and collaborations both internationally as well as within the Netherlands, including high-tech industry;
- advice MSc and PhD students and acquires funding for PhD and Postdoc projects from research funding agencies, EU, government, or industry.

#### **Requirements**

The candidate has an academic degree in Systems and Control with subsequent specialization in mechatronics and preferably also in embedded control systems. He or she is able to conduct research according to international standards, proven by international publications and a PhD thesis. The candidate has already gained international reputation in his or her field of research. Additionally, the candidate has already been a PostDoc for a period of at least one year and substantial practical experience with the design and development of mechatronic systems, including real-time implementation of control systems. The candidate is able to effectively cooperate and communicate with colleagues in related fields.

He or she has a stimulating and cooperative attitude in contacts with students, engineers, and colleagues within the group and in projects performed in collaboration with other university groups and/or industrial partners. International applicants must be willing to acquire a working knowledge of the Dutch language.

**Position**

The offered position is a tenure-track position. A salary is offered in accordance with the Dutch university system.

**Information and application**

Information on this position can be obtained from:

Prof. Robert Babuska, [r.babuska@tudelft.nl](mailto:r.babuska@tudelft.nl), or

Prof. Michel Verhaegen, [m.verhaegen@tudelft.nl](mailto:m.verhaegen@tudelft.nl),

Interested applicants should send their resume, including the list of publications, names of three professional referees, copies of three significant publications, a personal research statement, and a personal teaching statement before July 15, 2011, to [info@dcsc.tudelft.nl](mailto:info@dcsc.tudelft.nl).