

Faculty position in

Nonlinear and Adaptive Systems and Control

The Delft Center for Systems and Control (DCSC) of Delft University of Technology, The Netherlands, announces an open position for a **Tenure Track Assistant Professor** in the broad field of **Nonlinear and Adaptive Systems and Control**.

Domain of research

The research area of the position will be oriented towards fundamental topics in one or more of the following fields:

- adaptive control of nonlinear systems and/or hybrid systems
- analysis and control of networks with nonlinear or hybrid dynamics
- integrated model-based and learning-based control
- big data methods for systems and control
- nonlinear time-delay systems
- mixed human-machine decision making

Prospective research activities involve the development of systematic and computationally efficient modeling, analysis, control, and/or verification methods within the topics listed above.

In addition, within this position applications of the developed fundamental methods should be targeted towards application fields that could either connect to current application fields at DCSC, such as road and freeway networks, transportation systems, smart power grids, smart energy systems, water distribution networks, robotics, renewable energy, smart buildings, social and biological networks, or that could focus on a completely new field within DCSC that is related to the current research fields of the Faculty of Mechanical, Maritime and Materials Engineering (see <https://www.tudelft.nl/en/3me/research/check-out-our-science/>).

Position

The position offered is a tenure-track position for a period of 6 years, leading to a permanent position assuming excellent performance. Moreover, depending on the expertise and qualifications of the candidate, the position can also be filled at the associate or full professor level. The position can either be a full-time one, or if the successful candidate requests it, a part-time one (80% or higher).

During the tenure track, the candidate will have the opportunity to develop into an internationally acknowledged and recognized academic. To this aim, we offer a structured career and personal development program.

Delft University of Technology offers an attractive benefits package, including a flexible work week, and the option of assembling a customized compensation and benefits package (the 'IKA'). Salary and benefits are in accordance with the Collective Labor Agreement for Dutch Universities and range initially between EUR 3637 to EUR 5656 per month gross for an assistant professor, depending on the past track record of the candidate.

Profile of the candidate

We are looking for a candidate with a PhD degree in systems and control, computer science, applied mathematics, mechanical engineering, electrical engineering, operations research, or informatics, and with an extensive expertise in the topic of the position as well as the broad field of systems and control. The candidate should preferably have at least 1 year of postdoc experience. She/he should already have gained an international reputation in her/his field of research and also have a proven track record in conducting innovative fundamental research, demonstrated by the ability to publish in leading international journals. She/he is expected to develop her/his own line of research and to establish cooperation with other groups at the university, national, and international level.

The candidate should also have the didactic abilities for teaching systems and control courses at the BSc, MSc, and postgraduate level, and for supervising MSc projects. A good command of English is an essential requirement. International applicants must be willing to acquire knowledge of the Dutch language.

In accordance with the equal opportunity policy of Delft University of Technology female candidates are in particular encouraged to apply.

Information and application

For more detailed information on the position, please contact Bart De Schutter at b.deschutter@tudelft.nl

Applicants should submit their letter of application along with a curriculum vitae or resume, a personal research and teaching statement, as well as a list of publications, electronic copies of three key publications, and the names and email addresses of three referees, via email to Application-3mE@tudelft.nl attn. Ms Irina Bruckner of the HR department. All these items should be combined in one PDF document. When applying, please make sure to mention the vacancy number: 3mE19-30.

The application deadline for the position is July 16, 2019. However, the position will stay open until a suitable candidate has been found.