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 field of Nonlinear and Hybrid Systems.

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

- nonlinear systems
- hybrid systems
- optimization for control
- time-delay systems.

Prospective research activities involve the development of systematic and computationally efficient modeling, analysis, control, and/or verification methods within the topics listed above. The activities of the new position should be complementary to the ongoing fundamental research within the Hybrid and Distributed Systems and Control group of DCSC, which mainly involves model predictive control of max-plus linear and piecewise affine systems, adaptive control, and distributed model predictive control and estimation.

In addition, within this position applications of the developed fundamental methods should be targeted in application fields that could either connect to current application fields at DCSC, such as road and freeway networks, transportation systems, smart grids, water distribution networks, robotics, renewable energy, smart buildings, 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 http://www.3me.tudelft.nl/en/research/research-areas/).

Position
The position offered is a tenure-track position for a period of 6 years, leading to a permanent position assuming excellent performance. 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. For more information about the tenure track and the personal development program, please visit www.tudelft.nl/tenuretrack.

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 3324 to EUR 4551 per month gross, 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 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.
Information and application
For more detailed information on the position, please contact Bart De Schutter or Tamás Keviczky at b.deschutter@tudelft.nl or t.keviczky@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 Bianca van Someren of the HR department. When applying, make sure to mention the vacancy number: 3ME15-22.

The application deadline for the position is September 15, 2015.