

Assistant or Associate Professor vacancy at the department of Cognitive Robotics

Faculty Mechanical, Maritime and Materials Engineering (3mE)

Department Cognitive Robotics

Level PhD degree

Maximum employment Maximum of 38 hours per week (1 FTE)

Duration of contract Tenure track or tenured

Salary Scale: €3637-6738 per month gross

JOB DESCRIPTION

The opening within the Learning and Autonomous Control group is in the area of **Robot motion control and/or autonomous navigation**. Topics of interest include, but are not limited to machine learning for control, dexterous (mobile) manipulation and grasping, robot perception and motion planning. Excellent applicants from other areas of robotics will also be considered.

Candidates are expected to be, or be on their way to becoming, authorities in their own field of research, and to complement and enrich the existing research programs in the department. For the overall balance in the department, we especially welcome applications from female scientists. We expect you to:

- Develop, conduct and supervise high-quality academic research in your field;
- Teach general and specialized courses at undergraduate and post-graduate levels, and inspire students through teaching and post-graduate supervision;
- Interact and collaborate with other researchers and specialists in academia and industry within multidisciplinary research projects;
- Bridge the gap between theoretical knowledge and the development of new, innovative technologies;
- Secure external funding for research projects;
- Be an inspiring contribution to our staff.

REQUIREMENTS

Applicants should have the following qualifications:

- PhD degree in Computer Science, Mechanical/Electrical Engineering, Applied Mathematics, Systems and Control, Artificial Intelligence or related disciplines. Experience in robotics and/or intelligent vehicle technology is an asset;
- Strong analytical skills and ability/interest to work at the intersection of several research domains;
- At least one year of research experience after the PhD, and experience outside the Netherlands;
- Excellent track record in scientific research, as evident from papers in international and peer-reviewed journals;

- High motivation for implementing your own vision within the interdisciplinary environment that CoR offers;
- Team player with the ability to clearly communicate and eager to look for and exploit synergies CoR and its network provides.

CONDITIONS OF EMPLOYMENT

At the start of the tenure-track you will be appointed as Assistant Professor for the duration of six years. Section leader, department leaders and you will agree upon expected performance and (soft) skills. You will receive formal feedback on performance and skills during annual assessment meetings and the mid-term evaluation. For more information about the tenure track and the personal development programme, please visit www.tudelft.nl/tenuretrack.

Based on performance indicators agreed upon at the start of the appointment, a decision will be made at the end of the fifth year whether to offer you a permanent faculty position.

The salary for a Tenure Track (Assistant Professor) position is min. €3.637 to max. €5.656 per month gross.

For exceptionally strong candidates, a shortened tenure track period or Associate Professor position can be considered. For an Associate Professor position different terms of employment apply. Depending on background and experience, the salary can range from min. €5.039 to max. €6.738 per month gross.

TU Delft offers a customisable compensation package, a discount for health insurance and sport memberships, and a monthly work costs contribution. Flexible work schedules can be arranged. An International Children's Centre offers childcare and an international primary school. Dual Career Services offers support to accompanying partners.

TU Delft sets specific standards for the English competency of the teaching staff. TU Delft offers training to improve English competency.

Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities.

EMPLOYER

Delft University of Technology

Delft University of Technology (TU Delft) is a multifaceted institution offering education and carrying out research in the technical sciences at an internationally recognised level. Education, research and design are strongly oriented towards applicability. TU Delft develops technologies for future generations, focusing on sustainability, safety and economic vitality. At TU Delft you will work in an environment where technical sciences and society converge. TU Delft comprises eight faculties, unique laboratories, research institutes and schools.

<https://www.tudelft.nl>

DEPARTMENT

Faculty Mechanical, Maritime and Materials Engineering

The 3mE Faculty (Mechanical, Maritime and Materials Engineering) trains committed engineering students, PhD candidates and post-doctoral researchers in groundbreaking scientific research in the fields of mechanical, maritime and materials engineering. 3mE is the epitome of a dynamic, innovative faculty, with a European scope that contributes demonstrable economic and social benefits.

Our mission at the department [Cognitive Robotics](#) is to bring robotic solutions to human-inhabited environments. At the *Learning and Autonomous Control* group we are looking for excellent candidates with a proven track record in scientific research, an innovative research vision, and a commitment to education for an Assistant Professor (tenure-track) or Associate Professor (tenured) position. Our group

focuses on machine learning and autonomous navigation methods for robotics.

Strong collaborations exist within cross-faculty institutes (TU Delft Robotics Institute and TU Delft Transport Institute), our national robotic ecosystem (RoboValley, Holland Robotics), international industry and academia.

ADDITIONAL INFORMATION

For more information about this position, please contact Prof. Robert Babuska, e-mail: R.Babuska@tudelft.nl.

To apply, please send a detailed CV, motivation letter, a research and teaching statement, electronic copies of your top three publications and contact data of at least three references. All required documents should be combined to a single pdf file. Applications should be submitted by email at the earliest convenience to application-3mE@tudelft.nl. When applying for this position, please refer to vacancy number 3mE18-78.

We will start to select candidates on February 15, 2019.