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# PhD Position Control of Evasive Manoeuvres for Automated Driving

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Vacature Bedrijf Beoordeling Salaris Arbeidsvoorwaarden

## PhD Position Control of Evasive Manoeuvres for Automated Driving

**Faculteit/afdeling:**
Faculty Mechanical, Maritime and Materials Engineering
**Niveau:**
Universitair
**Functie-omvang:** 32-38 uur per week
**Contractduur:** 4 years
**Salaris:** 2395 - 3061 euro per maand (volledige dagtaak)

U bekijkt een vacaturetekst oorspronkelijk opgesteld in het Engels.
Delen kunnen beschikbaar zijn in het Nederlands!

## Faculty Mechanical, Maritime and Materials Engineering

The Faculty of 3mE carries out pioneering research, leading to new fundamental insights and challenging app engineering. From large-scale energy storage, medical instruments, control technology and robotics to smart autonomous ships. The foundations and results of this research are reflected in outstanding, contemporary e candidates to become socially engaged and responsible engineers and scientists. The faculty of 3mE is a dyna international scope and high-tech lab facilities. Research and education focus on the design, manufacture, ap materials, processes and mechanical devices, contributing to the development and growth of a sustainable so

Click here to go to the website of the Faculty of Mechanical, Maritime and Materials Engineering.

## Functie omschrijving

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*Project description*

Automated Driving is a promising but also challenging area of innovation in the automotive industry. Despite automated driving, hazardous driving scenarios such as evasive manoeuvres are “edge cases” where learning representative data are statistically rare. In this project we will tackle these edge cases by means of an integra approach, especially exploiting recent advances in tyre/road sensing technology to gain real-time informatior conditions. The ultimate goal of the project is to develop novel adaptive and pro-active control and robust tra with such variable and non-nominal vehicle/road conditions The position is motivated by a challenging practic theory approach.

*Department*

The department Delft Center for Systems and Control (DCSC) of the faculty Mechanical, Maritime and Mate and research activities in systems and control at Delft University of Technology. The Centers' research missio systems dynamics and control, involving dynamic modelling, advanced control theory, optimisation and signa advanced technology development in physical imaging systems, renewable energy, robotics and transportatic

# Functie eisen

*What do we ask?*

We are looking for a candidate with an MSc degree in Systems and Control, Applied Mathematics, Mechanica closely related discipline, with a strong background in model-based control, adaptive control, hybrid systems, expected to work on the boundary of several research domains. A good command of the English language is r

*What do we offer?*

We offer the opportunity to do scientifically challenging research in a multi-disciplinary research group. This proposal EVOLVE (NWO 18484). Salary and benefits are in accordance with the Collective Labour Agreemen the Netherlands (VSNU), and are depending on the qualifications and experience of the candidate selected.

# Arbeidsvoorwaarden

TU Delft offers PhD-candidates a 4-year contract, with an official go/no go progress assessment after one yea with the Collective Labour Agreement for Dutch Universities, increasing from € 2395 per month in the first y candidate you will be enrolled in the TU Delft Graduate School. The TU Delft Graduate School provides an ins excellent team of supervisors, academic staff and a mentor. The Doctoral Education Programme is aimed at d related and research skills.

The TU Delft offers a customisable compensation package, discounts on health insurance and sport members contribution. Flexible work schedules can be arranged. For international applicants we offer the Coming to D

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For information about this vacancy, you can contact prof. Bart De Schutter, email: b.deschutter@tudelft.nl, an
s.baldi@tudelft.nl.

For information about the selection procedure, please contact Irina Brückner, HR advisor, email: application-

Applicants should submit their application along with a detailed curriculum vitae, an introduction letter indic
with the position (around one page long), their BSc and MSc course programs and the corresponding marks, t
information for at least two academic references and all other information that might be relevant to their ap
'TUD00357_YourLastName.pdf', by email to application-3mE@tudelft.nl.

When applying for this position, please refer to vacancy number TUD00357. Please note that applications m
required are not compiled into a single pdf document.

The application deadline for the position is September 15, 2020. However, the position will stay open until a s
selection will be made based on the submitted material, and selected candidates will undergo a Skype intervi

A pre-employment screening can be part of the application procedure.

**Acquisitie naar aanleiding van deze vacature wordt niet op prijs gesteld.**

Ontvang alerts voor vacatures zoals deze in uw Postvak IN. Vacature-a

## Vergelijkbare vacatures die mogelijk interessant zijn

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## Voorgestelde zoekopdrachten

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