



26th **ESV 19**
NETHERLANDS

FIELDTRIP B

TU Delft/ Delft University of Technology

Address: Van der Broekweg 4 in Delft, opposite to the RADD. From here it is a short walk to the Van den Burghweg 1 (Building 26)

Contact:

Yannick Roelvink Student Assistent, TU Delft

Nagarjun Reddy Student Assistent, TU Delft

Rissan Slaghek Project Manager, Future Mobility Network

Antoine de Kort RDW host

Jan Sybren Boersma Fieldtrip Coordinator ESV

General information

Title: **Human Behavior and the effects on safety**

Visit to the human behavior research group at the Delft University of Technology

Location: Delft University of Technology, Van den Burghweg 1 (building 26) in Delft
Plenary Session: Van den Burghweg 1 (building 26) in Delft
SIMONA simulator: Anthony Fokkerweg 1, 2629 HC Delft
RADD: Van Den Broekweg 4, 2628 CR Delft
CITG: Close to Plenary session

Short description
Human behavior and road safety
On road safety depends on multiple factors, one of them being the interaction with humans: they are either inside the vehicles occupying the road or are involved as bikers or pedestrians. Because of the large number of people that use roads every day, it is important to develop new technologies that keep these people safe. For this reason both behaviour of the driver and behaviour of others around the vehicles are subject of research at the Delft University of Technology.

[Prof. dr. Bart van Arem](#), professor Transport Modelling at Delft University of Technology will give an exclusive presentation about Delft and the technological research programs in The Netherlands. He will further introduce the activities for the remaining part of the day. The aim is to provide you with useful knowledge for future safety considerations in policy, development and other areas.

[Dr. ir. Winnie Daamen](#), associate professor in the chair of Traffic Operations and Management of the Department of Transport & Planning, will give you a one-of-a-kind insight to the research department of Delft. Furthermore, [Dr. ir. Riender Happee](#) will let you experience first-hand what it is like to actually participate in one of the experiments at the TU Delft. Lastly, ir. Olaf Stroosma and his team at [the SIMONA Research Simulator](#) will demonstrate their 6-axle "flight" simulator, that is also used to simulate ground-based vehicles. This is a very intriguing tool, as not all experiments can be performed as easily in real life.

Additional info: Delft is an ancient Dutch merchant city dating back to 700 a.C. The old inner city is a lively place to spend the evening. There is a 35 minute train connection to Amsterdam Schiphol International Airport (AMS). You might

	<i>want to spend the night in a hotel in Delft before continuing to the airport.</i>
Duration	June 13 th , 2019; 13:45 - 20:00 (Delft) or 21:45 (Eindhoven)
Max. # participants	3x 20 persons
Transport	Coach bus 60 persons Luggage of participants that stay in Delft or continue to Delft Central station can be stored in the bus at own risk. Travel time to TUD is roughly 1h 30 min. Bus will stop at Delft train station when returning to Eindhoven. Bus stops at hotels in Eindhoven , aswell at Evoluon.
Schedule	June 13 th , 2019 13:45 Departure from Evoluon 15:30 Arrival at TU-Delft 16:00 Round 1 - sessions 17:00 Round 2 – sessions 18:00 Round 3 – sessions 19:00 Closure and a light meal option will be provided 19:45 Departure from TU-Delft Stop at Delft train station 21:45 Expected time of arrival in Eindhoven Bus stops at hotels in Eindhoven, aswell at Evoluon.
Website	https://ocw.tudelft.nl/courses/the-human-controller/ https://www.tudelft.nl/citg/over-faculteit/afdelingen/transport-planning/staff/persoonlijke-paginas/arem-b-van/
Sessions	
Plenary	Plenary introduction Prof.Dr.Ir. Bart van Arem at the “Bouwcampus”
Session 1	Faculty of Aerospace Engineering: SIMONA very realistic driving simulator Ir. Olaf Stroosma
Session 2	CiTG: Civil Engineering Research and results with simulators at CiTG Dr. IR. Winnie Daamen
Session 3	RADD Research and simulation with Virtual Reality Prof.Dr.Ir. Rindert Happee
Practical Information	
Clothing	Flat shoes advisable, the trip is both inside and outside and contains a small walk of a few hundred meters.
Access	Wheel-chair accessible
On-site parking	Participants that will come by car can park at the Van der Broekweg 4 in Delft, opposite to the RADD. From here it is a short walk to the Van den Burghweg 1 (Building 26)