

Tuesday  
15:15 - 17:35

Tu-D04 WS04 Advancing the Microscopic Traffic Simulations Towards Realistic Modelling of Driver Behaviour  
Tenerife  
Chair: Haneen Farah

15:15 [Opening Remarks](#)

» [Haneen Farah](#) (Delft University of Technology)

15:20 [A study on variations of car-following behavior at sag sections and the impact of introducing ACC system](#)

» [Yan Yang](#) (Department of Civil Engineering, The University of Tokyo), Kento Wada (Institute of Industrial Science, The University of Tokyo), Takashi Oguchi (Institute of Industrial Science, The University of Tokyo), Miho Iryo-Asano (Institute of Industrial Science, The University of Tokyo)

15:45 [A Probabilistic Framework for Microscopic Traffic Propagation](#)

» [Tim Wheeler](#) (Stanford University), Philipp Robbel (Robert Bosch, LLC), Mykel Kochenderfer (Stanford University)

16:10 [Using Extreme Value Theory For the Prediction of Head-On Collisions During Passing Maneuvres](#)

» Carlos Miguel Lima Azevedo (Singapore-MIT Alliance for Research and Technology), [Haneen Farah](#) (TU Delft)

16:35 – 16:45 Break

16:45 [How Many Simulation Runs are Required to Achieve Statistically Confident Results? A case study of simulation-based surrogate safety measures](#)

» [Long Truong](#) (Institute of Transport Studies, Department of Civil Engineering, Monash University), Majid Sarvi (Institute of Transport Studies, Department of Civil Engineering, Monash University), Graham Currie (Institute of Transport Studies, Department of Civil Engineering, Monash University), Timothy Garoni (School of Mathematical Sciences, Monash University)

17:10 [Initial Scene Configurations for Highway Traffic Propagation](#)

» [Tim Wheeler](#) (Stanford University), Mykel Kochenderfer (Stanford University), Philipp Robbel (Robert Bosch, LLC)