SUMO2016 Program

Mon, May 23

15:00-15:30   Registration and Welcome

15:30-18:00   SUMO Tutorial and SUMO Cafe

18:00   Social Event

Tue, May 24

09:15-09:30   Welcome Speech

09:30-10:30   Plenary Session

Prof. Dr. Björn Scheuermann – "Future Road Traffic: New Challenges for Traffic Simulation"

10:30-12:00   **Session 1 "Vulnerable Road Users"**

Robbin Blokpoel – "Bicycle modelling in SUMO for accurate traffic control simulation"
Mohcine Chraibi – "JuPedSim: an open framework for simulating and analyzing the dynamics of pedestrians"
Heather Twaddle – "Integration of an External Bicycle Model in SUMO"

12:00-13:00   Lunch

13:00-14:30   **Session 2 "Emergency"**

Yun-Pang Flötteröd – "Experiment study on the evacuation of bomb alert with SUMO"
Leandro D'Orazio – "Enhanced Emergency Calls for Next Generation Vehicle Communications: Performance Analysis using SUMO with NS3 and a Dedicated Testbed"
Amrit Bagga – "Localization using Cooperative Communication in NO GPS Zone"

14:30-14:45   Coffee Break

| 14:45-16:15 | **Session 3 "Traffic Light and Intersection Modelling"** |
| | |

Michael Behrisch – "Towards the modelling of the approaching behaviour at controlled intersections"

Laura Bieker – "Local Emissions Monitoring using vehicular communication"

Francois Vaudrin – "Improving traffic light management systems using information available by Vanet"

| 16:15-16:30 | Coffee Break |

| 16:30-18:00 | **Session 4 "Automation and Validation"** |

Mario Krumnow – "SUMO as part of a testing platform for highly automated driving in urban areas"
Marc Semrau – "Simulation framework for testing ADAS in Chinese traffic situations"
Holger Döbler – "PARCOURS: A SUMO-Integrated 3D Driving Simulator for Behavioral Studies"

| 18:30 | Evening program |

Wed, May 25

| 09:30-10:30 | New Features in SUMO |

| 10:30-12:00 | Poster Session and Parcours Live Demo |

| 12:00-13:00 | Lunch |

| 13:00-14:00 | **Session 5 "Data Sources and Calibration"** |

Andreas Richter – "Beyond OSM - Alternative Data Sources and Approaches Enhancing Generation of Road Networks for Traffic and Driving Simulations"
Mirko Barthauer – "Calibrating a motorway segment in SUMO using single vehicle data"

| 14:00-14:15 | Coffee Break |

| 14:15-15:45 | **Session 6 "Tools and Software"** |

Didac Busquets – "Distributed simulations using SUMO"
Jorge Ernesto Espinosa Oviedo – "Distributed Simulation in SUMO Revisited: Strategies for Network Partitioning and Border Edges Management"
Christos Tsotskas – "The design and development of an HLA-based open platform to model urban environments in SUMO"

| 15:45-16:00 | Closing Session |