**SUMO2013 Program**

**Wed, May 15**

09:30-10:45 Welcome Speech
   Introduction and greetings
   Summary on Publications citing SUMO, 2002-2012, Daniel Krajzewicz

10:45-11:00 Coffee Break

11:00-12:30 Large Scale Simulations

12:30-14:30 Lunch

14:30-16:30 Validation

16:45 Social Event
   Guided tour of the historical sites of aviation and dinner in Adlershof

**Thu, May 16**

09:30-10:30 Inductive Charging

10:30-10:45 Coffee Break

10:45-12:45 Extensions and Middleware

12:45–14:30 Lunch

14:30–16:00 Kai Nagel
   Topic: “Some thoughts about extensibility, pluggability, and maintainability of
   (traffic) simulations”

16:00–16:15 Coffee Break

16:15–18:00 Panel Discussion
   Topic: “Extensions, Collaboration, Community Building”

19:00 Barbecue

**Fri, May 17**

09:00-10:30 Christoph Sommer
   Topic: “The Future of Vehicular Network Simulation”

10:30–10:45 Coffee Break

10:45–12:15 V2X

12:15–13:15 Models

13:15–13:30 Closing Session

13:30 Lunch
**Large Scale Simulations**  
Wed, May 15, 11:00-12:30

Preparing Data for Urban Traffic Simulation using SUMO  
José Capela Dias, Pedro Henriques Abreu, Daniel Castro Silva, Gustavo Fernades, Penousal Machado and António Leitão

A Use Case for SUMO: Simulating Traffic around the Port of Duisburg  
Gerhard Hermanns, Thomas Zaksek and Michael Schreckenberg

Real-Time Traffic Conditions with SUMO for ITS Austria West  
Karl-Heinz Kastner, Robert Keber, Petru Pau and Martin Samal

**Validation**  
Wed, May 15, 14:30-16:30

Benchmarking SUMO Generated Traffic Simulation Results Based on GEH Statistic  
Carsten Dalaff, Rüdiger Ebendt, Jakob Erdmann, Gaby Gurczik and Louis Calvin Touko Tcheumadjeu

Real-time simulations based on live detector data – Experiences of using Sumo in a Traffic Management System  
Mario Krumnow, Andreas Kretschmer

Predicting Travel Time of a Vehicle in Occluded Area with SUMO  
Wei Li, Dominik Rosenbaum, Claudia Sánta and Matthew Fullerton

3D visualization for microscopic traffic data sources  
Andreas Wenger, Matthew Fullerton, Mathias Baur, Silja Hoffmann, Jonas Lüßmann

**Inductive Charging**  
Thu, May 16, 09:30-10:30

Implementation of an Energy Model and a Charging Infrastructure in SUMO  
Tamás Kurczveil and Eckehard Schnieder

A Framework for Electric Bus Powertrain Simulation in Urban Mobility Settings: coupling SUMO with a Matlab/Simulink nanoscopic model  
José Macedo, Guilherme Soares, Zafeiris Kokkinogenis, Deborah Perrotta and Rosaldo J.F. Rossetti

Drivers Attitude and its Influence on the Energy Waste of Electric Buses  
Deborah Perrotta, José Luiz Macedo, Rosaldo J. F. Rossetti, João Luiz Afonso, Zafeiris Kokkinogenis and Bernardo Ribeiro

**Extensions and Middleware**  
Thu, May 16, 10:45-12:45

Sumo as a Service – Building up a Web service to interact with Sumo  
Mario Krumnow

SUMOPy: an advanced simulation suite for SUMO  
Joerg Schweizer

An Integrated Framework for Multi-Agent Traffic Simulation using SUMO and JADE  
Guilherme Soares, José Macedo, Zafeiris Kokkinogenis and Rosaldo J. F. Rossetti

dSUMO: Towards a Distributed SUMO  
Liam Murphy, Anthony Ventresque and Quentin Bragard

**V2X**  
Fri, May 17, 10:45–12:15

Microscopic traffic simulation for evaluation of a cooperative variable speed limit system  
Ellen Grumert and Andreas Tapani

Robust and Hybrid Location Management for Urban Vehicular Environments  
Aisling O’Driscoll and Dirk Pesch

Making Traffic Visualisation Movies by Scripting a Graphical User Interface  
Daniel Krajzewicz

**Models**  
Fri, May 17, 12:15–13:15

Basic driving dynamics of cyclists  
Erik Andresen, Mohcine Chraibi, Armin Seyfried and Felix Huber

Extending SUMO to supporting tailored driving styles  
Joel Gonçalves and Rosaldo J.F. Rossetti

ROAD INTERSECTION MODEL IN SUMO  
Daniel Krajzewicz and Jakob Erdmann