



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

09:00-10:30 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

12:15-13:45 Models

13:45-14:00 Closing Session

14:00

Lunch

Large Scale Simulations

Wed, May 15, 11:00-12:30

Preparing Data for Urban Traffic Simulation using SUMO

Jose Capela Dias, Pedro Henriques Abreu, Daniel Castro Silva, Gustavo Fernandes, Penousal Machado and [António Leitão](#)

A Use Case for SUMO: Simulating Traffic around the Port of Duisburg

[Gerhard Hermanns](#), Thomas Zaksek and Michael Schreckenber

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 Ebdendt, 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 Santa 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, 09:00-10:30

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](#), Jose 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, 12:15–13:45

Basic driving dynamics of cyclists

[Erik Andresen](#), Mohcine Chraïbi, Armin Seyfried and Felix Huber

Extending SUMO to supporting tailored driving styles

[Joel Gonçaves](#) and Rosaldo J.F. Rossetti

ROAD INTERSECTION MODEL IN SUMO

Daniel Krajzewicz and [Jakob Erdmann](#)