SUMO2014 Program

**Thu, May 15**

09:00-09:15 Welcome Speech
   Introduction and greetings
09:15-10:45 Traffic Light Systems
10:45-11:00 Coffee Break
11:00-12:30 Map Matching Algorithms
12:30-13:30 Lunch
13:30-15:00 Intelligent Traffic Agents
15:00-16:00 Plenary Session – Mario Krumnow
16:00-16:15 Coffee Break
16:15-18:00 Panel Discussion
18:30 Evening Program

**Fri, May 16**

09:00-10:45 Applications
10:45-11:00 Coffee Break
11:00-12:00 Applications
12:00-13:00 Lunch
13:00-14:30 New Features
14:30-15:00 Closing Session
**Traffic Light Systems**  
**Thu, May 15, 09:15-10:45**

**INTERFACE BETWEEN PROPRIETARY CONTROLLERS AND SUMO**  
Robbin Blokpoel

Stochastic Optimization of Advanced Signal Controls using A Parallelized Simulation Framework  
Xiaoliang Ma

Network Conversion for SUMO Integration  
Robbin Blokpoel

**Map Matching Algorithm**  
**Thu, May 15, 11:00-12:30**

Advanced Traffic Light Information in OpenStreetMap for Traffic Simulations  
David Rieck

A Railway Simulation Landscape Creation Tool Chain Considering OpenStreetMap Geo Data  
Christian Rahmig

Map matching and cycling infrastructure analyses with SUMO and python  
Jörg Schweizer

**Intelligent Traffic Agents**  
**Thu, May 16, 13:30-15:00**

A MultiAgent System driving simulator architecture: testing Advanced Driver Assistance Systems  
Rosaldo Rossetti

A situational awareness approach to intelligent vehicle agents  
Vincent Baines

Methods enabling Simulations of V2X Applications regarding Emergency Vehicles in Urban Environment - Applied to Simulate a Preemption and Automated Cooperative Maneuvers of Individual Vehicles  
Michael Düring

**Applications**  
**Fri, May 16, 09:00-10:45**

TOMS – Traffic Online Monitoring System for ITS Austria West  
Karl-Heinz Kastner

DFROUTER – Route estimate method based on detector data  
Nguyen Van Te Ron

Can Road Traffic Volume Information Improve Partitioning for Distributed SUMO?  
Ulrich Dangel

**Applications**  
**Fri, May 16, 11:00-12:00**

TraCI4Matlab: Re-engineering the Python implementation of the TraCI interface.  
Jorge E. Espinosa Oviedo

Modelling Bluetooth Inquiry for SUMO  
Michael Behrisch

**New Features**  
**Fri, May 16, 13:00-14:30**

2nd Generation of Pollutant Emission Models for SUMO  
Daniel Krajzewicz

Lane-Changing Model in SUMO  
Jakob Erdmann

Traffic simulation for all: a real world traffic scenario from the city of Bologna  
Laura Bieker