



# 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](#)