

Big Data-Driven Transport Simulation

September 6th, 2016, 6.30 p.m. – 9.00 p.m.

The Laundry, 3359 26th Street, San Francisco



Big Data delivers on-demand traffic information

For the first time in transport planning, we have near perfect and on-demand information to help us predict transportation needs with an un-precedented confidence. Cell phones, smart cards, and soon an internet of moving things will monitor your every move. Each move leaves a trace and makes your future movements more predictable. In this public lecture, Swiss educated computer scientists and engineers will show why this type of data tracking is not as “creepy” as it sounds as society moves towards a state where only machines will see your data. They will also illustrate just how much information is contained, not just in the data points, but also in the spaces between them.

Speakers:

Cuahtemoc Anda, Future Cities Laboratory at the Singapore-ETH Centre

Cuahtemoc is currently working on the Big-Data MATSim project, a Big Data driven Agent-based Simulation platform for Transport Planning. He is trained in the fields of Robotics, Machine Learning and Artificial Intelligence, his research interest relies in using methods derived from these disciplines to improve the liveability of cities with a special focus on urban transportation systems.

Pieter Fourie, Future Cities Laboratory at the Singapore-ETH Centre

Pieter is a simulation modeler specializing in transportation. His work focuses on using transit smart card data to produce precise simulations of current and future transport system networks. He is responsible for population synthesis and transport demand assignment for the agent-based transport demand model implemented at the Future Cities Laboratory.

Martin Mantalvanos, CEO, RSM Technologies, Sausalito, California

RSM is revolutionizing movement by creating an interconnected urban landscape that is spearheading the transformation of cutting-edge cities. Its' flagship software “Simon” functions as an operating system for IoT that provides the unique ability to see, communicate, negotiate, and integrate with the live traffic environment around you.

The evening will close with a networking reception.

Registration requested: bit.ly/BigDataDriven



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