ETH

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MATSim Tutorial

The **MATSim Tutorial** is an excellent opportunity for everyone to get started with MATSim or expand one's knowledge: you will learn about the core principles of agent-based transport modeling, explore the software architecture of MATSim and engage in the modeling of transport demand and supply through practical examples. In addition, you will learn how to use state-of-the are visualization tools for interactive analysis of MATSim output.

When and where

The MATSim Tutorial will be held on **July 14 and 15** in **Shanghai** as a two-day intensive course . It is organized by **ETH Zürich** and takes place at **Tongji University**.

Program

Thursday, July 14

8:30 - 10:30: Agent-based models in transportation: some background (Theory)

10:30 - 11:00: Tea/Coffee break

11:00 - 13:00: Supply and demand modeling (Theory)

13:00 - 14:00: Lunch

14:00 - 16:00: Hands on: First MATSim run, Visualization with VIA (Practice)

16:00 - 16:30: Tea/Coffee break

16:30 - 18:30: Demand relaxation and configuration with MATSim (Practice)

19:00 onwards: Dinner @ TBD

Friday, July 15

8:00 - 08:30: Setup

8:30 - 10:30: Cost/Utility/Scoring Function (Theory)

10:30 - 11:00: Tea/Coffee break

11:00 - 13:00: Supply modeling (Practice)

13:00 - 14:00: Lunch

14:00 - 16:00: Demand modeling (Practice)

16:00 - 16:30: Tea/Coffee break

16:30 - 18:30: Policy study (Practice)

Courseware, Requirements, Equipment

All presentation material and files of the practical examples will be made available in digital format to the participants in advance of the course.

Participants are ideally already familiar with core ideas of transport modeling and computer literate, but no prior experience in programming is required.

Please bring along your personal laptop and take care that the software is installed and tested (http://www.matsim.org/downloads).

Rates

The registration fee includes lunch and dinner on Thursday and lunch on Friday. Morning and afternoon tea/coffee breaks are also included. The ticketing system for registration will be available mid Mai. For a pre-registration you can send an email to Dr. Francesco Ciari: ciari@ivt.baug.ethz.ch.

Registration Type	Price
MSc or BSc Students	180 $
Academic (persons with an University affiliation)	700 $
Others (Professionals, civil servants, consultants)	1300 $

Accommodation

Participants are kindly requested to organize their accommodation themselves. You can refer to WCTR conference hotels for accommodation options with a convenient location (http://wctrs.fumed.com.cn/weben/hotel2.asp).

Contact

For any question about the tutorial please contact Dr. Francesco Ciari: ciari@ivt.baug.ethz.ch.