

Seoul and Zurich, 17 May 2011

4th MATSim Tutorial – Seoul June 2011

Invitation

Dear Colleagues

We are pleased to have the opportunity to hold our 4th MATSim Tutorial. It will take place this time in Seoul, South Korea in June 2011. The tutorial will consist of lectures and demonstrations as well as practical exercises. It will include elements such as installing MATSim on your laptop, getting to know the basic MATSim concepts, configuring and running MATSim, analyzing the results, and how to extend MATSim using Java.

Programme

The tutorial will start in the afternoon of Sunday, June 19 2011 and will last until Wednesday, June 22 with the following preliminary schedule:

Sunday, June 19: Installing MATSim

14h00 - 16h00 Installing Java, Eclipse, MATSim and QGIS

Monday, June 20: Theory and examples

09h00 - 13h00 Introduction

Theory: MATSim Concepts

14h00 - 18h00 Getting Started: Running the Simulation For the First Time

Summary and Discussion

Tuesday, June 21: Generating the MATSim Input

09h00 - 13h00 Generating the Input

14h00 - 18h00 Looking at the Output

Configuring a Scenario

Summary and Discussion

Wednesday, June 22: Extending MATSim

09h00 - 12h00 Extending Your Controller

13h00 - 15h00 MATSim Tutorial Revisited

Final Discussion

Lecturers

The MATSim Tutorial will be taught by Dr. Michael Balmer and Dr. Nadine Schüssler.

Dr. Michael Balmer is co-founder and managing director of senozon AG, Zurich, Switzerland. He studied computer science at ETH Zurich, followed by a PhD in the area of demand generation for agent-based transport simulations at the Institute of Transport Planning and Systems at ETH (IVT). After graduation in 2007, he has worked as project leader at IVT, ETH Zurich as well as head of the innovation team at Axon Active, Luzern, Switzerland. During his years in managing transport-related projects the key topics of his work were and still are system design of agent-based transport planning software, methods of micro simulations, integration of activity based demand modeling and dynamic traffic assignment, optimization of complex systems, as well as graph algorithms and software management.

Dr. Nadine Schüssler is a senior research officer at the IVT, ETH Zurich and coordinator of the MATSim group and all MATSim related projects at IVT. She studied Industrial Engineering and Business Administration at the University of Karlsruhe, Germany before she joined IVT for her doctoral studies. She conducted several projects related to the modelling of transport behaviour. In her doctoral thesis, she focussed on modelling route choice based on GPS observations, including the related post-processing routines and the impact of choice generation and similarities between route alternatives on the modelling outcome. Since her graduation as Doctor of Science in 2010, she is continuing this line of research and extending it by investigating the influence of personal attitudes on transport behaviour.

Registration

Registration fees are:

- USD 200 for students studying for a Diploma or BSc/MSc degree
- USD 300 for others

The registration fee includes coffee breaks, lunch and a tutorial dinner. Please register by email with Seungjae Lee (sjlee@uos.ac.kr) by naming your name, organization, and registration (student or other). We will inform you about the details of the payment order later.

Accommodation

Participants are kindly requested to organize their accommodation themselves. The seminar will be held in the 21st Century Building, University of Seoul.

Contact and further information

Local organisation:

Seungjae Lee

Department of Transportation Engineering, University of Seoul, Email: silee@uos.ac.kr

Lectures

Nadine Schüssler

ETH Zurich, Institute for Transport Planning and Systems (IVT), ETH Zurich

E-mail: schuessler@ivt.baug.ethz.ch

Michael Balmer

senozon AG, Zurich

Email: balmer@senozon.com

Website

Learning MATSim in 8 lessons: <http://www.matsim.org/docs/tutorials/8lessons>