



Masterclass “Advanced Modeling of Transport: Bridging the Gap between Science, Policy and Practice”

TRAIL in cooperation with PAO, NM Magazine and TU Delft

Synopsis

The use of models in transport planning and assessment has been a topic a debate amongst scholars, practitioners, and policy makers. One of the key questions is whether the current set of tools to assess investments in infrastructure and traffic management is indeed adequate to predict the effects of such investments on the one hand. At the same time, there is a call for more transparency in these models, sometimes having such a large number of input variables and parameters that it is impossible to keep track. This paradox seems to yield a large gap between model developers, model appliers, and those that have to make decisions based on the model outcomes.

This Masterclass aims to discuss these (and other!) issues, by considering it from different angles: science, practice and decision / policymaking. In doing so, it sets out to provide some insights into the different perspectives in development and application of models, and in the end to better understand the different viewpoints around.

Target audience

- PhD's and research staff developing or working with dynamic traffic models
- Professionals / consultants working with dynamic traffic models
- Policy makers using model outcomes support their decision making



Date and preliminary program

The Masterclass will be held in the afternoon of the 16th of June, 2011.

Time	Title	Presenter
13:00	Introduction	Prof. dr. Bart van Arem, Delft University of Technology
13:15	National guidelines for application of models to ex-ante assessment studies	Dr. Henk Taale, TrafficQuest
13:45	Better utilization of available models: when all you got is a hammer...	Wim van der Hoeven, DHV
14:15	Break	
14:30	Recent advancements in dynamic modeling of transport using Dynasmart	Prof. dr. Hani Mahmassani, Northwestern University
16:00	Minimal complexity in modeling: dynamics of transportation networks	Prof. dr. Serge Hoogendoorn, Delft University of Technology
16:30	Prospects and pitfalls for modeling	Panel discussion introduced by Jan van der Waard (KIM)
17:00	Drinks	

Location

TRAILport room,
Kluyverweg 4, Delft, The Netherlands

Register for this masterclass sending an e-mail to masterclass@nm-magazine.nl. The admission is free!