

**The 4th International Conference on Ambient Systems, Networks  
and Technologies (ANT-2013)**



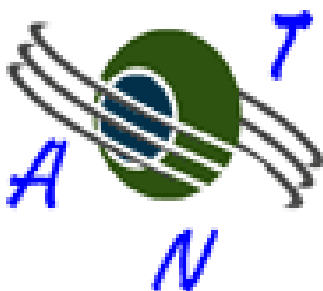
***The 2<sup>nd</sup> International Workshop on Agent-based Mobility,  
Traffic and Transportation Models, Methodologies and  
Applications (ABMTRANS'13)***

*<http://www.uhasselt.be/smartsite.net?id=18628>*

*in conjunction with ANT-2013 conference  
Halifax, Nova Scotia, Canada (25-28 June 2013)*

The 2nd International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications (ABMTRANS 2013) provides an international forum on the latest technologies and research in the field of traffic and transportation modeling using an agent-based approach. ABMTRANS 2013 is organized in the context of the European FP7 project DATASIM (<http://www.datasim-fp7.eu/>). ABMTRANS 2013 will be held in Halifax, Nova Scotia, Canada (25-28 June 2013) in conjunction with The 4th International Conference on Ambient Systems, Networks and Technologies (ANT-2013).

Transportation Research Institute  
(IMOB)  
Hasselt University  
Wetenschapspark 5 bus 6  
B-3590 Diepenbeek, Belgium



## **SCOPE**

This workshop provides a multidisciplinary collaborative forum for researchers and practitioners to submit papers presenting new research results and novel ideas related to the theory or the practice of agent-based traffic and transportation modeling. This workshop also invites researchers to submit their work focusing on the data mining, management and configuration for agent-based traffic and transportation modeling.

Topics of interest include (but are not limited to):

- Agent-based modeling and simulation
- Agent-human interactions
- Environment modeling and interaction protocols
- Data mining, learning and adaptation
- Marketing decision support
- Collaboration, cooperation, competition, coalitions in traffic and transportation models
- Agent-based negotiation of QoS and SLAs in traffic and transportation models
- Social and emergent behavior in MAS-T (multi-agent systems applied to traffic and transport)
- Large scale simulation of agent-based microscopic traffic models
- Calibration and validation of agent-based models for traffic and transportation
- Role of multi-agent methodologies for complex systems
- Conceptual modeling of agent-based approach
- Agent-based freight transportation modeling
- Multi-modal routing of agents in a dynamic traffic environment
- Agent-based scheduling to establish synthetic agenda for day-to-day activities

## **SUBMISSION AND PROCEEDINGS**

All papers accepted for workshops will be included in the ANT-2013 proceedings, which will be published by Elsevier. The authors must follow Elsevier guidelines as given in ANT-2013 website (<http://cs-conferences.acadiau.ca/ant-13/>). The number of pages for workshop papers is limited to 6 pages. Authors should submit their contributions electronically in PDF format at: <https://www.easychair.org/conferences/?conf=abmtrans2013>.

The submission processes will be managed by easychair.org. If you have used this system before, you can use the same username and password. If this is your first time using EasyChair, you will need to register for an account by clicking "I have no EasyChair account" button. Upon completion of registration, you will get a notification email from the system and you are ready for submitting your paper. You can upload and re-upload the paper to the system by the submission due date.

The selective outstanding papers presented at the workshops, after further revision, will be considered for publication in journals special issues. In case of any problem with submission, please contact the workshop chair for assistance.

All workshops accepted papers will be printed in the conference proceedings published by Elsevier Science in the open-access Procedia Computer Science series (on-line and CD). Procedia Computer Sciences is hosted on [www.Elsevier.com](http://www.Elsevier.com) and on Elsevier content platform ScienceDirect (<http://www.sciencedirect.com>), and will be freely available worldwide. All papers in Procedia will also be indexed by Scopus (<http://www.scopus.com>) and Engineering Village (Ei) (<http://www.engineeringvillage.com>). This includes EI Compendex (<http://www.ei.org/compendex>). All accepted papers will also be indexed in DBLP (<http://dblp.uni-trier.de/>).

The selective outstanding papers presented at the workshops, after further revision, will be considered for publication in journals special issues at ANT'13 and in IJFCST.

## **IMPORTANT DATES**

- Submission due: 8 December, 2012.
- Notification of acceptance: 8 February, 2013.
- Camera-ready due: 5 March, 2013.
- Workshop: 25-28 June, 2013.

## **PROGRAM COMMITTEE**

Tom Bellemans, Hasselt University (Belgium)  
Davy Janssens, Hasselt University (Belgium)  
Bruno Kochan, Hasselt University (Belgium)  
D'hulst Reinhilde, VITO (Belgium)  
Int Panis Luc, VITO (Belgium)  
Leo Rutten, KHLim (Belgium)  
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Fabrice Marchal, CNRS (France)  
Theo Arentze, Eindhoven University of Technology (the Netherlands)  
Harry Timmermans, Eindhoven University of Technology (the Netherlands)  
Michael May, Fraunhofer Institute (Germany)  
Marco Luetzenberger, DAI-Labor (Germany)  
Anders Peterson, Linkoping University (Sweden)  
Paul Davidsson, Malmo University (Sweden)  
Rashid A. Waraich, ETH Zurich (Switzerland)  
Carl Binding, IBM Research (Switzerland)  
PHUC V. Nguyen, Arkansas State University (USA)  
Assaf Schuster, Technion - Israel Institute of Technology (Israel)  
Daniel Keren, Haifa University (Israel)

## **REGISTRATION**

Please visit: <http://cs-conferences.acadiau.ca/ant-13/#registration> for more information.

## **VENUE, ACCOMMODATION & VISA REQUIREMENTS**

Please visit: <http://cs-conferences.acadiau.ca/ant-13/#conferenceVenue> for more information.

## **WORKSHOP ORGANIZERS**

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If you have any further questions please contact one of the workshop organizers.