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Dear TRAIL member,

This is the TRAIL *E-LINK* of November. TRAIL *E-LINK* will keep you informed of the ins and outs of TRAIL Research School.

NEW PHD STUDENTS

Bernat Goni Ros on "Improvement of traffic flow efficiency by ADA-C2X systems using traffic flow simulation".

Bernat will perform his research at the Civil Engineering Faculty of the Delft University of Technology. His promotor is Prof. Serge Hoogendoorn.



Soora Rasouli on "The Uncertainty Enabled Model Web (UncertWeb)

Soora will perform her research at the Architecture, Building and Planning Faculty of the Eindhoven University of Technology. Her promotor is Prof. Harry Timmermans.

Paul Bouman on "Revenue Management and Complexity in Public Transport"
Paul will perform his research at the Rotterdam School of Management of the Erasmus University Rotterdam. His promotor is Prof. Leo Kroon.

BY THE PHD COUNCIL

The TRAIL PhD Council is looking for new members for the council. Curious or interested? Please feel free to contact any of us through phdcouncil@rstrail.nl and also have a look at the website on <http://www.rstrail.nl/phd-council>.



DEFENSE OF OCTOBER



Solomon Zegeye on "Model-Based traffic Control for the Reduction of Vehicular Emissions"

Computationally efficient dynamic fuel consumption, emissions, and dispersion of emissions models are developed. Fast and practically feasible model-based controller is designed. Using the developed models, the controller steers the traffic flow in such a way that a balanced trade-off between the travel times, fuel consumption, and emissions (to a target zone) is achieved. Simulation-based case studies are used to compare and illustrate the models and control approaches proposed.

Jan Willem van der Pas on "Clearing the Road for ISA Implementation?"

Intelligent Speed Adaptation (ISA) is an in-vehicle system that supports the driver of a vehicle in complying with the local speed limit. There is strong evidence that ISA has a great potential to contribute to traffic safety. However, ISA implementation is being delayed because of many uncertainties. This dissertation focuses on the application of a conceptual approach called Adaptive Policymaking (APM) to deal with the uncertainties surrounding ISA implementation. By operationalizing, applying, and evaluating the APM approach (for the case of ISA), new light is shed on the pros and cons of APM and the uncertainties that surround ISA implementation.



Vincent van der Vlies on "Rail Transport Risks and Urban Planning: solving deadlock situations between urban planning and rail transport of hazardous materials in the Netherlands".

In the Netherlands, rail transport of hazardous materials is organised right through city centres. This leads to problems concerning urban planning in several Dutch cities. The aim of this research is to evaluate the way in which Dutch authorities develop and implement (external) safety policy in the context of urban development adjacent to railways and to suggest improvements for decision making.

PHD DEFENSES TO COME

28 November – Chantal Chantarelli (TUD) on "Cost Overruns in Large-Scale Transportation Infrastructure Projects: a theoretical and empirical exploration for the Netherlands and Worldwide"

6 December - Thijs Muizelaar (UT) on "Non-Recurrent Traffic Situations and Traffic Information: determining preferences and effects on route choice"

COURSES

28 November
14.00 – 16.00
hrs.

[Registration](#)
[HERE](#)

Master class Chantal Chantarelli

By Prof. Bert van Wee, Prof. Bent Flyvbjerg and Dr. Chantal Cantarelli.

At the occasion of the defense of Chantal, TRAIL has set up an interesting master class on "Cost Overruns in Large-Scale Transportation Infrastructure Projects". More details on the program will follow asap. Please register now!

17, 29
November
&
8 December

[Registration](#)
[HERE](#)

Course Discrete Choice Modeling

By Prof. Harry Timmermans, Dr. Caspar Chorus, Dr. Michiel Bliemer

Discrete choice models have played a very important role in transportation modelling for the last 25 years. They are routinely being used by scholars and practitioners to explain all dimensions of travel choice behaviour, and to predict market shares for transport-related services. As such, they are indispensable for the quantitative underpinning of most transport policy-initiatives. Moreover, several packages and tools are available to help users using these models for real applications, making discrete choice models more and more popular. This course covers the basics of discrete choice theory, its mainstream model (MNL) and more advanced models (Nested Logit, Mixed Logit, Random Regret). In addition, it covers the experimental design of stated choice-experiments, which are the dominant source of data used for discrete choice modeling.

12, 13 & 14
December

[Registration
HERE](#)

Course TRAIL Theories and Methods

By Dr. Maarten Kroesen, Raymond Hoogendoorn MSc.
This course provides attendees with a rich overview of TRAIL theories and research methods. Attendees learn to formulate field specific research questions, choose and apply appropriate research methods and data-analysis techniques and correctly interpret the results in light of the formulated research aim.

10 January

[Registration
HERE](#)

Course TRAIL Policy Relevance of your PhD Research

By Dr. Jan Anne Annema, Dr. Vincent Marchau
To enable PhD students to gain understanding of and be able to describe the policy relevance of their PhD thesis results. The course consists of a summary of an actually published PhD thesis will be distributed. The class will discuss with the teachers how the policy relevance is treated in this particular case (discussion); some theoretical notions will be given on transport policy relevance (lecture); tips and tricks, inspiration to make your thesis policy relevant (self-study); participants will make a press release (1 A4 maximum) of their own PhD research. Results will be discussed (exercise and plenary discussion).

For more details please visit the website www.rstrail.nl/agenda

COURSES INTERESTING FOR PHD STUDENTS/PHD SUPERVISORS

- ❖ [PhD-supervisor as coach](#) by Aletta Wubben (only for DUT supervisors)
- ❖ [NWO Talent Classes](#)
- ❖ Course '[Endnote](#)' by TU Library
- ❖ Course 'Research Methodology' by Transportnet (see <http://www.transportnet.org>, chose 'courses' tab, and 'Research Methodology')

OTHER EVENTS

1 November, afternoon: Valorisatieparade by The Rathenau Institute and De Jonge Acedemi @ Theater Rasa, Utrecht. [More info here](#) (all in Dutch)

2 November Nationaal Verkeerskunde Congres by Verkeerskunde/CROW @ NBC Nieuwegein. [More info here](#) (all in Dutch)

10 November: Connekt congress "The Lean and Green Connexion"@ Nieuwe Kerk, Amsterdam. [More info here](#) (all in Dutch)

28 November: 9th Dutch Aviation Group Symposium: 'The Dutch Airspace Agenda' @ Grand Hotel Huis ter Duin in Noordwijk. [More info here](#) (all in Dutch)

13 December: final project dissemination event Innovation Processes in Surface Transport @ Brussels, Belgium. [More info here](#)

12 March 2012: PLATOS Colloquium @ Provinciehuis Den Bosch. [More info here](#) (all in Dutch)

8-11 July 2012: 25th European Conference on Operational Research @ Vilnius, Lithuania. **Deadline abstracts: February 29, 2012.** [More info here](#)

4-8 September 2012: 1st European Symposium on Quantitative Methods in Transportation Systems @ EPFL Campus, Lausanne, Switzerland. **Deadline abstracts: March 15, 2012.** [More info here](#)

24-27 September 2012: Congreso Panamericano de Ingeniería de Tránsito, Transporte y Logística – PANAM 2012 @ Santiago, Chile. **Deadline abstracts: December 16, 2011.** [More info here](#) (Spanish)

Several interesting meetings "**Dialog on Tour**" [More info here](#) (all in Dutch)

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