

2 days - Seminar and Workshop

Field Operational Test - FOT-Net – for Transportation Systems

Appointed time	Tuesday, Wednesday 22-23.06.2010 09:00
Place	Daniel Hotel, Herzlia
Instructors	Yvonne Barnard, Oliver Carsten – Univ. of Leeds Eline Jonkers, Martijn van Noort - TNO

Seminar Objective:

Transfer of practical knowledge from the FESTA project (a methodology for the set-up and conduction of Field Operational Tests - FOT) to the seminar participants, learn from the European experience with FOTs and network with people interested and involved in (future) FOTs.

The first day of the seminar is about setting up a FOT (create research questions and hypotheses, define performance indicators, set up a study design) and the acquisition and management of data.

The second day of the seminar is about stakeholder analysis (who are the stakeholders? , what are their interests and what is their role in the FOT) and the evaluation of FOTs. Introduction and demonstrations of TNO's ITS Modeler and Mobysim simulation environment evaluation of ITS applications. Program will be adapted to the nature and interest of the organizations and companies that attend the seminar.

What you will learn:

Practical knowledge and experience on different topics: how to start a FOT, create research questions and hypotheses, how to define performance indicators, how to acquire data and manage this data, how to set up a study design (participants, experimental environment, vehicle fleet), discussion on legal and ethical issues, how to do a stakeholder analysis, how to evaluate FOTs.

Who Should Attend?

Everyone interested in or involved in (future) FOTs, modeling, simulation and evaluation of ITS applications.

לכבוד: אילטם פקס: 03-5100622 מייל: talpeer@iltam.org **הרשמה מראש חובה !!!**

אני/ו מאשר/ים השתתפות בסמינר Field Operational Test - FOT-Net – for Transportation Systems, ביום ג-ד 22.06-23.06.2010

שם: _____ חברה: _____ תפקיד: _____

טל': _____ אימייל: _____

אני פועל להשגת אישור מהחברה.

טופס זה מהווה התחייבות לתשלום. שם: _____ חתימה + חותמת: _____

נא לשלוח ח-ן לכתובת _____ לידי: _____

דמי השתתפות לחברי אילטם ו- ITS ליום אחד: 350 ש"ח (לא כולל מע"מ). ליומיים: 600 ₪ (לא כולל מע"מ)

דמי השתתפות לקהל הרחב ליום אחד: 450 ₪ (לא כולל מע"מ). יומיים: 800 ₪ (לא כולל מע"מ)

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Israeli Users' Association of
Advanced Technologies
for Integrated Systems



ביטול השתתפות אחרי ה- 15.06.2010 ו/או אי הגעה ביום הסמינר יחויב בתשלום מלא.

FOT-Net seminar Israel, First Day - 22.06.2010

The first day of the seminar is about setting up a FOT (create research questions and hypotheses, define performance indicators, set up a study design) and the acquisition and management of data.

09:00-10:00	Welcome
10:00-11:00	Starting a FOT <ul style="list-style-type: none"> • Introduction to creating research questions, use cases and hypotheses • Working session on formulation of hypotheses
11:00-11:15	Coffee Break
11:15-12:30	Defining Performance indicators
12:30-13:15	Data acquisition and data management <ul style="list-style-type: none"> • Solutions and tools for data collection • Plenary discussion
13:15-14:15	Lunch Break
14:15-15:45	FOT study design <ul style="list-style-type: none"> • Specification of, selection of and communication with participants • Experimental environment • Organizing and maintaining a vehicle fleet • Working session on study design
15:45-16:00	Refreshments
16:00-17:00	The stony road to successful FOTs <ul style="list-style-type: none"> • Lessons learned • Discussion on FOTs and the organization of FOTs • Legal and ethical issues • Interactive issue raising session (using post-it's)
17:00-17:15	Closure

FOT-Net seminar Israel, Second Day - 23.06.2010

The second day of the seminar is about stakeholder analysis (who are the stakeholders? , what are their interests and what is their role in the FOT) and the evaluation of FOTs. Introduction and demonstrations of TNO's ITS Modeler and Mobysim simulation environment evaluation of ITS applications. Program will be adapted to the nature and interest of the invited organizations and companies.

09:00 - 09:30	Welcome
09:30 -10:45	Stakeholder analysis <ul style="list-style-type: none"> • Who are the stakeholders • Stakeholders' interests and influence • Stakeholders' role in the FOT • Case on stakeholder analysis
10:45 -11:00	Coffee Break
11:00 -12:30	Evaluation of FOTs <i>A FOT is one way in which to determine the effects of Intelligent Transport Systems. Other kinds of research and tests to do this are: literature review, questionnaires, driver simulator and computer simulation. The outcomes can be combined.</i> <ul style="list-style-type: none"> • working session on penetration rates and scaling up
12:30 -13:30	Lunch
13:30 -14:30	Introduction to modeling and simulation: ITS Modeler and Mobysim
14:30 -15:30	Demonstration of ITS Modeler and Mobysim
15:30 -15:45	Refreshments
15:45 -16:30	Discussion
16:30 -17:30	Closure and Open discussion

About the Speakers

Yvonne Barnard

Dr Yvonne Barnard is a Senior Research Fellow and joined ITS in 2008; she is currently involved in projects on driver behavior and new technologies in cars, and in the FOT-Net support action. After her study in psychology, with a specialization in Artificial Intelligence, she worked from 1984-1995 as a researcher in the field of computers and education at the University of Utrecht and at the University of Amsterdam, where she received her Ph.D. with a thesis on open, technologically rich, learning environments. From 1995-2000 she worked at the TNO Human Factors Research Institute, coordinating a research group on learning processes, doing applied research in computer and simulation based training, e-learning, and knowledge management. From 2000-2008 she was a senior scientist at EURISCO, a human factors research institute in Toulouse, performing research on human factors in aviation.

Oliver Carsten

Oliver Carsten is Professor of Transport Safety at the Institute for Transport Studies, University of Leeds. His major research focus is on driver interaction and safety with new driver support systems. He has been project coordinator of several European projects, including HOPES which examined the safety impacts of various field trials, VRU-TOO which applied new technologies to improve the safety and mobility of pedestrians, HINT which examined the human implications of new technologies, and HASTE which has studied the effect on driving performance and safety of using in-vehicle information systems. He led the UK national FOT on Intelligent Speed Adaptation. He has been chair of the DRIVE I safety and behavioral group, was a member of the DRIVE Safety Task Force, is chair of the Road User Behavior Working Party of the Parliamentary Advisory Council for Transport Safety and has been a member of several expert groups of the European Transport Safety Council.

Eline Jonkers

Eline Jonkers graduated as Master of Science in Applied Mathematics at Delft University of Technology in 2006. Since April 2007 she works as consultant at Business Unit Mobility and Logistics of TNO. She has fulfilled several different roles and has a broad experience in the field of Traffic Management and Intelligent Transport Systems. Eline has worked on various (Dutch and European) projects related to dynamic traffic management, development and utilization of traffic flow models, simulations and evaluations of intelligent transport systems and statistical analyses on travel times. One of her main topics is impact assessment: she worked on this in the eIMPACT project and in the Field Operational Test AOS. At the moment Eline is involved in the European projects FOT-Net, EuroFOT and ITS Testbeds.

Martijn van Noort

Martijn van Noort obtained his MSc in Mathematics in 1996 at the university of Groningen (the Netherlands), and his PhD in 2001 at the same university. His research focused on the analysis of the time evolution of mathematical models (maps and differential equations), a subject commonly known as Dynamical Systems. In the following four years he continued his research at GeorgiaTech, Atlanta, USA (2 years) and Imperial College, London, UK (2 years). On August 1, 2006 he joined TNO Mobility and Logistics as consultant.

At TNO Martijn works in the field of traffic modeling and evaluation: assessing the effects (throughput, safety and environment) of ITS systems on network level. He has worked on various projects in the field of modeling and impact assessment, such as eIMPACT, PreDrive and PreVAL, ITS TestBeds and Field Operational Tests like AOS and EuroFOT. At the moment he is project leader of a project that integrates all simulation programs TNO has in the field of mobility.