

**International Transport Energy Modeling (ITEM) Workshop**  
**October 25-26, 2016**

Scania Room, Chalmers Konferens & Restauranger  
 Chalmersplatsen 1, 412 58 Göteborg  
 Chalmers University of Technology, Gothenburg, Sweden

[Agenda](#)

	Topic	Speaker
8:45 – 9:00 am	Welcome	Sonia Yeh Lew Fulton David McCollum
<b>Session 1: Modeling comparison</b> Chairperson: Lew Fulton		
9:00 – 10:00 am	Results of modeling comparison: <ul style="list-style-type: none"> <li>• model structures</li> <li>• overall energy trends,</li> <li>• policy scenarios,</li> <li>• regional projections,</li> <li>• sectoral results, etc.</li> </ul>	Team
10:00 – 10:10 am	Methodologies, tools and policies for COP 22	Sudhir Gota, SLoCAT
10:10 – 10:30 am	Construction of a shared dataset characterizing key transportation variables in the different regions of the world	Page Kyle, PNNL
Break / Fika		
<b>Session 2A: Transportation energy demand and climate policy scenarios</b> Chairperson: Jari Kauppila		
11:00 – 11:40 pm	Impacts of efficient transport technology and policies on global energy use and oil prices	Joshua Miller, ICCT
11:40 – 12:20 pm	2DS, 4DS, 6DS scenarios	Pierpaolo Cazzola, IEA
Lunch		
<b>Session 2B: Transportation energy demand and climate policy scenarios</b> Chairperson: Pierpaolo Cazzola		
1:30 – 2:10 pm	Scenarios within the Integrated Assessment Modeling (IAM) framework: interactions across energy sectors and with no-energy sectors	Page Kyle, PNNL
2:10 – 2:50 pm	Reducing CO2 emissions from transportation and the macro feedback	Sergey Paltsev, MIT
Break / Fika		
<b>Session 3: Future transportation technologies and energy demand</b> Chairperson: Andreas Schäfer		
3:20 – 4:00 pm	ITF Transport Outlook: Methodology for Transport Demand and Emission Projections	Jari Kauppila, ITF
4:00 – 4:40 pm	Global EV scenarios	Tor Kartevold,

		Statoil Nigel Griffiths, IHS (respondent)
4:40 – 5:20 pm	EIA's new transportation model	John Maples and David Daniels, EIA

## Day 2

Session 4: Impacts of global resource and demands scenarios on technologies Chairperson: Sergey Paltsev		
8:40 – 9:20 am	Impacts of oil prices on energy markets and carbon emissions	David McCollum, IIASA
9:20 – 10:00 am	Upstream impacts (refineries, trades, costs)	Robert Spicer, BP
Break / Fika		
Session 5: Regional drivers Chairperson: Lloyd Wright		
10:30 – 11:10 am	Projections of future vehicle ownership in China	Paul Kishimoto, MIT
11:10 – 11:50 am	Middle East/India/China energy scenarios	Nicholas Chase, KAPSARC
Lunch		
Session 6: Global mobility trend Chairperson: Sonia Yeh		
1:00 – 1:40 pm	Long-term trend of personal mobility	Andreas Schäfer, UCL
1:40 – 2:20 pm	Human mobility through the prism of Big Data	Stanislav Sobolevsky, NYU
2:20 – 3:00 pm	The travel, energy and carbon impacts of highly automated vehicles	Paul Leiby, Oak Ridge National Laboratory
3:00 – 3:45 pm	Wrap-up	All

## Participating modeling teams and participating experts

Modeling team	Participating expert
<i>Integrated assessment bottom-up model</i> <ul style="list-style-type: none"><li>• PNNL-Global Change Assessment Model (GCAM)</li><li>• IIASA-MESSAGE</li><li>• Chalmers- Global Energy System model (GET)</li></ul>	Page Kyle David McCollum Maria Grahn
<i>Integrated assessment top-down/hybrid model</i> <ul style="list-style-type: none"><li>• MIT-EPPA</li></ul>	Sergey Paltsev
<i>Transport-only soft-link with economy-wide model</i> <ul style="list-style-type: none"><li>• EIA-International Transportation Energy Demand Determinants (ITEDD) model</li></ul>	John Maples David Daniels
<i>Transport only model</i> <ul style="list-style-type: none"><li>• IEA-Mobility Model (MoMo)</li><li>• ICCT-Global Transportation Roadmap model (Roadmap)</li><li>• BP</li><li>• International Transport Forum- OECD</li><li>• Statoil</li><li>• IHS</li><li>• Shell</li><li>• ExxonMobil</li></ul>	Pierpaolo Cazzola Joshua Miller Robert Spicer Wei-Shiuen Ng Tor Kartevold Tiffany Groode Martin Haigh Todd Onderdonk
<i>Transportation experts - Presenting</i> Nicholas Chase (KAPSARC) Sudhir Gota (The Partnership on Sustainable, Low Carbon Transport, SLoCaT) Lew Fulton (ITS-Davis) Jari Kauppila (ITF) Paul Kishimoto (MIT)	Paul Leiby (ORNL) Andreas Schäfer (UCL) Stanislav Sobolevsky (NYU) Sonia Yeh (Chalmers)
<i>Transportation experts – attending</i> Guineng Chen (ITF), Ronald Halim (ITF), Vincent Benezech (ITF), Erwan Gaudemer (BIPE), Erin Cooper (World Resources Institute, WRI), Jacopo Tattini (DTU), Emmanuel Rozenkier (BIPE), Oreane Edelenbosch (PBL Netherlands Environmental Assessment Agency)	
<i>Steering Committee</i> John Weyant (Stanford); John Reilly (MIT); Lloyd Wright (ADB); Jari Kauppila (ITF-OECD)	