

Trans-Atlantic INFRADAY Conference on Applied Infrastructure Modeling and Policy Analysis

“Environmental Impacts of Infrastructure”

Friday, 11 November 2011

Resources for the Future
1616 P Street NW, Washington, DC 20036 USA
1st Floor Conference Center

Program

8.00 – 8.45 h	Registration & Continental Breakfast		
8.45 – 9.00 h	Opening Address (Rooms A-C) Steven A. Gabriel University of Maryland, Conference Chair Christian von Hirschhausen TU Berlin / DIW Berlin, Co-Conference Chair		
9.00 – 9.45 h	Keynote Speech (Rooms A-C), Chair: Christian von Hirschhausen Jeff Jacobs (National Research Council) <i>U.S. Water Resources Challenges: Infrastructure and Water Policy</i>		
9.45 – 10.15 h	Coffee Break		
10.15 – 12.15 h	<p><u>Modeling</u> (Room A)</p> <p><i>Chair: Eckhause</i></p> <p>Egging (NTNU Trondheim), Huppmann (DIW Berlin) <i>Climate Policy, Market Power and Technology Options – Case Studies with a Multi-fuel Market Equilibrium Model</i></p> <p>Fodstad, Hellemo, Midthun, Pages, Perez-Valdes, Tomasgard, Werner (NTNU Trondheim) <i>Ramona Infrastructure: A Multi-Horizon Stochastic Programming Investment Model</i></p> <p>Eckhause (UMD, LMI), Herold (WIP, TU Berlin) <i>Using Real Options to Evaluate Optimal Funding Strategies for Carbon Capture, Transport, and Storage Projects in the European Union</i></p> <p>Abada (IFP, EDF R&D), Briat (EDF R&D), Gabriel (UMD), Massol (IFP) <i>Study of the Impact of Shale Gas in Europe in 2030 Using the Gammes Model</i></p>	<p><u>Infrastructure Analysis</u> (Room “B”- 7th floor conference room)</p> <p><i>Chair: Rothballer</i></p> <p>Deng, Jiang, Cui (UMD) <i>Guarantee Design on Energy Performance Contracts Under Uncertainty</i></p> <p>Stern, Gärder, Rubin, Johnson (University of Maine) <i>Effects of Adverse Winter Weather on Drivers in High Risk Age Groups: Statewide Analysis</i></p> <p>Rothballer, Kaserer (TU Munich) <i>Is Infrastructure Really Low Risk? An Empirical Analysis of Listed Infrastructure Firms</i></p> <p>Roedel, Rothballer (TU Munich) <i>Infrastructure as Hedge Against Inflation - Fact or Fantasy?</i></p>	<p><u>Emissions / Environment</u> (Room C)</p> <p><i>Chair: Burtraw</i></p> <p>Chung (College of William and Mary), Kwon (University at Buffalo), Friesz (Pennsylvania State University) <i>Emission Trading and Carbon Tax Policy in Sustainable Electrical Energy Management</i></p> <p>Linn, Mastrangelo, Burtraw (RFF) <i>Regulating Greenhouse Gases from Coal Power Plants under the Clean Air Act</i></p> <p>Friesz, Chung, Kim, Lee (Pennsylvania State Univ.) <i>Multi-Regional Sustainable Infrastructure Capital Investment Allocation</i></p> <p>Chen (UCal, Merced), Liu (Purdue) <i>Emissions Trading, Point-of-Regulation and Facilities Siting in Electricity Markets</i></p> <p>Oei, Herold, Tissen, von Hirschhausen (WIP, TU Berlin) <i>Modeling a Carbon Capture, Transport, and Storage Infrastructure for the Industrial Sector in Europe</i></p>
12.15 – 1.15 h	Lunch		
1.15 – 2.00 h	Keynote Speech (Rooms A-C), Chair: Steven A. Gabriel Dave Lovell (University of Maryland) <i>Next Generation Air Traffic Management: Incentivizing Air Carrier Infrastructure Investment</i>		

2.00 – 4.00 h	<p>Electricity and Renewables (Room A)</p> <p><i>Chair: Egerer</i></p> <p>Burtraw, Paul, Woerman (RFF) <i>Retail Electricity Price Savings from Compliance Flexibility in GHG Standards for Stationary Sources</i></p> <p>Garcia, Alzate, Barrera (Univ. of Virginia) <i>Regulatory Design and Incentives for Renewable Energy</i></p> <p>Egerer (WIP, TU Berlin), Kunz (TU Dresden) <i>North and Baltic Sea Offshore Grid Design – An Engineering-Economic Analysis for Market and Wind Integration</i></p>	<p>Natural Gas (Room “B”- 7th floor conference room)</p> <p><i>Chair: Massol</i></p> <p>Blohm, Smith, Peichel, Bowen (UMD) <i>Impact of Shale Gas Policy on Domestic and International Natural Gas Markets</i></p> <p>Avetisyan, Gabriel, Moryade (UMD) <i>Analyzing Shale Gas Exports from the U.S. to Foreign Markets and the Potential of Natural Gas Supply Network Expansions</i></p> <p>Moryadee, Gabriel, Avetisyan, Siddiqui (UMD) <i>Analyzing the Effects of CO₂ Pricing on Global Gas Markets</i></p> <p>Massol, Banal-Estañol (IFP, City Univ. London, Univ. Pompeu Fabra) <i>Export Diversification and Resource-Based Industrialization: the Case of Natural Gas</i></p>	<p>Water (Room C)</p> <p><i>Chair: Brennan</i></p> <p>Oei (WIP, TU Berlin) <i>Water Allocation of the Tigris and Euphrates Rivershed</i></p> <p>U-tapao, Gabriel (UMD), Peot, Ramirez (D.C. Water and Sewer Authority) <i>A Stochastic, Multi-Objective, Mixed-Integer Optimization Model for Biosolids Management Program at the Blue Plains AWTP, DC Water</i></p> <p>Siehlw (WIP, TU Berlin) <i>Modeling Networks and Prices in the German Water Transportation Network</i></p>
4.00 – 4.30 h	Break		
4.30 – 5.15 h	<p>Keynote Speech (Rooms A-C), <i>Chair: Ben Hobbs</i> Steven A. Gabriel (University of Maryland) <i>Shale Gas Exports from the U.S. to Asia and Europe</i></p>		
5.15 – 6.00 h	Reception (7th Floor Conference Room)		
6.30 h	<p>Conference Dinner (Beacon Hotel, 1615 Rhode Island Ave., NW)</p>		

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<http://mepp.umd.edu/TAI2011/index.html>

<http://www.regonline.com/TAI2011>

Also note the related event:
Thursday, 10 November 2011

FERC (Federal Energy Regulatory Commission)
888 First Street, NE
Washington, DC 20426

(details to be posted on <http://www.regonline.com/TAI2011>)
11:00 AM - 5:00 PM (Eastern Time)

"Advances in Electricity Operations, Planning, and Market Models"

Preliminary Program

Mathieu, Callaway (UC Berkeley): Using Residential Electric Loads in Energy and Ancillary Services Markets

Mount, Jeon, Mo (Cornell Univ.): Utopia Electric: Developing a Smart Grid that Customers Can Afford

De Jonghe (KU Leuven), Hobbs (Johns Hopkins Univ.): Value of Demand Response for Wind Integration

Forbes, Zampelli (Catholic Univ. of America): Do Electricity Prices Reflect Economic Fundamentals? Evidence from the California ISO

Brennan, Grausz, Palmer (RFF): Energy Efficiency Resource Standards: Economics and Policy

Murphy (Temple), Smeers (CU Louvain): Investment in Capacity with an Oligopoly with Reaction-consistent Equilibria

Weber, Christoph (Univ. Duisburg-Essen): Economics of Pumped Hydro Storage Plants