

## 4<sup>th</sup> Conference on Applied Infrastructure Research Regulation and Organizational Models in Infrastructure Sectors - Vertical Dis- / Integration, Privatization, Concessions and PPP

**Berlin, Saturday, 8 October, 2005 – Preliminary Program**

TU Berlin, Main Building, Room H 3010, Straße des 17. Juni 135, 10623 Berlin

Friday, 7 October, 20.00h: Pre-conference Dinner, "Café Hardenberg" (Hardenbergstr. 10, 10623 Berlin, near Zoo, tel. +49-30-3122644)

8.00 h	Registration, Coffee & Tea (Room 2035, "Lichthof", 2 <sup>nd</sup> floor)				
9.00 h	<b>Opening Address (Room H 3010)</b> (Kutzler, Meran, v. Hirschhausen)				
9.10 h	<b>Keynote Speech (Room H 3010):</b> Joachim-Heinrich Stamer (EnBW): <i>Unbundling in Network Industries: A View from Industry</i> (Chair: Meran, TU Berlin, DIW Berlin)				
9.40 h	<b>Award of the 3<sup>rd</sup> Hans-Jürgen-Ewers-Prize (Room H 3010)</b>				
10.00 h	Coffee & Tea				
10.15 h	<p><b>PPP 1 (Room H 3010)</b> Chair: Borrmann (University of Vienna) Straub (University of Edinburgh) / Guasch (World Bank &amp; UCSD) / Laffont (University of Toulouse): <i>Concessions of Infrastructure in Latin America: Government-Led Renegotiations</i> Väilä (EIB) / Dudkin (Helsinki School of Economics): <i>Transaction Costs in PPPs: A First Look at the Evidence</i> Galetovic (Universidad de los Andes) / Engel (Yale University) / Fischer (Universidad de Chile): <i>The Basic Public Finance of Highway Franchising</i></p>	<p><b>Vertical Integration 1 (Room H 2035)</b> Chair: Zweifel (University of Zurich) Hauswald (American University, Washington D.C.) / Dailami (The World Bank Institute): <i>Credit Spread Determinants and Interlocking Contracts: A Clinical Study of the Ras Gas Project</i> Baldursson (Univ. of Iceland) / von der Fehr (University of Oslo): <i>Vertical Integration, Long-Term Contracts and Spot Electricity Markets</i> Neuhoff (Univ. of Cambridge) / Hirschhausen (TU Dresden): <i>Long-Term vs. Short-Term Contracts: A European Perspective on Natural Gas</i></p>	<p><b>Regulation 1 (Room H 2036)</b> Chair: Mitusch (TU Berlin) Brunekreeft / Ehlers (Tilburg University): <i>Does Ownership Unbundling of the Distribution Networks Distort the Development of Distributed Generation</i> Riechmann / Burns / Jenkins (Frontier Economics) / Mikkers (CTG/Zaio): <i>The Role of the Policy Framework for the Effectiveness of Benchmarking in Regulatory Proceedings</i> Vinella (U. Toulouse 1, GREMAQ &amp; U. of Bari) / Bergantino (U. of Bari) / Billette de Villemeur (Toulouse 1, IDEI &amp; GREMAQ): <i>A Model of Partial Regulation in the Maritime Ferry Industry</i></p>	<p><b>Investment (Room H 2037)</b> Chair: Brenck (TU Berlin) Kopp (OECD): <i>Fairness, Efficiency and the Simultaneity of Pricing and Infrastructure Capacity Choice</i> Smeers (Université Catholique de Louvain): <i>Long Term Locational Prices and Investment Incentives in the Transmission of Electricity</i> Ajodhia / Hakvoort (TU Delft) / Olmos (Universidad Pontificia Comillas): <i>Optimal Investment Appraisal under Price-Cap Regulation</i></p>	
11.45 h	Coffee & Tea, Refreshments, Snacks				
12.00 h	<p><b>PPP 2 (Room H 3010)</b> Chair: Väilä (EIB) Borrmann / Schaffhauser-Linzatti (University of Vienna): <i>Franchise Bidding with Differences in Demand</i> Athias / Saussier (U. Paris 1): <i>Contractual Design of Toll Adjustment Processes in Infrastructure Concession Contracts: What Matters?</i> Jensen (LSE) / Blanc-Brude (King's College): <i>The Institutional Determinants of Private Infrastructure Investment: A Study of Private Involvement in the Water Sector in Developing Countries</i></p>	<p><b>Vertical Integration 2 (Room H 2035)</b> Chair: Brunekreeft (Tilburg University) Johnston (U. of Cambridge): <i>Unbundling Legal Questions for the Future - EC Law Constraints and Prospects</i> Mulder / Lijesen / Shestalova (CPB): <i>Vertical Separation of the Energy Distribution Industry: A Cost-Benefit Analysis</i> Rupérez Micola / Bunn (London Business School) / Estañol (University of Western Ontario): <i>Vertical Coordination between Natural Gas and Electricity Markets</i></p>	<p><b>Regulation 2 (Room H 2036)</b> Chair: Hirschhausen (TU Dresden) Meran (TU Berlin, DIW Berlin): <i>An Alternative Mechanism for Yardstick Competition - Average Cost Regulation</i> Turvey (Frontier Economics): <i>Managing Interconnection Congestion</i> Chong / Huet (Univ. Paris 11-Paris Sud): <i>Yardstick Competition Franchise Bidding and Collusion Incentives</i></p>	<p><b>Productivity (Room H 2037)</b> Chair: Kopp (OECD) Petrov / Scarsi / Ajodhia / Kristiansen (KEMA Consulting): <i>Total Cost Efficiency Analysis for Regulatory Purposes: Statement of the Problem and two European Case Studies</i> Growitsch (IWH Halle) / Wetzel (University of Lüneburg): <i>Economies of Scope in European Railways – An Efficiency Analysis</i> Bjørndal / Bjørndal / Bjørnenak / Johnsen (NHH): <i>Benchmarking in Electricity Distribution and Regional Transmission Companies</i></p>	
13.30 h	Lunch				
14.30 h	<b>Keynote Speech:</b> Kenneth Button (George Mason University, Virginia, USA)				
15.00 h	<u>Electricity</u>	<u>Telecommunication 1</u>	<u>Transport 1</u>	<u>Transport 2</u>	<u>Water / Waste</u>
16.45 h	Poster Session				
18.15 h	<u>Electricity Modeling</u>	<u>Telecommunication 2</u>	<u>Transport 3</u>	<u>Transport 4</u>	<u>Gas</u>
Evening	Conference Dinner, Filmbühne am Steinplatz (Hardenbergstrasse 12, 10623 Berlin)				

### Contact / Registration:

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**4<sup>th</sup> Conference on Applied Infrastructure Research  
Program (afternoon)**

13.30 h	Lunch				
14.30 h	<b>Keynote Speech (Room H 3010):</b> Kenneth Button (George Mason University, Virginia, USA): <i>Commercialization and Deregulation - Theoretical Approaches and Lessons from Air Transportation</i> (Chair: Wieland, TU Dresden)				
15.00 h	<p><b>Electricity (Room H 3010)</b> Chair: Pepermans (KU Leuven)</p> <p>Zweifel / Krey (University of Zurich): <i>An Efficient Electricity Portfolio for Switzerland</i></p> <p>Roques / Savva (University of Cambridge): <i>Irreversible Investment in an Oligopolistic Industry with Stochastic Demand, Price Cap Regulation, and a Construction Time Lag</i></p> <p>Vogel / Weber (University of Duisburg-Essen): <i>Decentralized Energy Production and Electricity Market Structures</i></p> <p>Lieb-Doczy (Deloitte) / McKenzie (Equilibrium Energy Consulting): <i>Transmission Grids with Multiple Owners: International Experiences</i></p>	<p><b>Telecommunication 1 (Room H 2035)</b> Chair: Wey (DIW, TU Berlin)</p> <p>Bolle / Heimel (European University Viadrina): <i>A Fallacy of Dominant Price Vectors in Network Industries</i></p> <p>Haucap (Ruhr-University of Bochum) / Siemer (Deutsche Telekom): <i>Another Look at Price Squeezes in Regulated Markets: Taking Account of Market Interdependencies</i></p> <p>Srivastava / Finger (Swiss Federal Institute of Technology): <i>Industry Boundaries in Times of Change: How do Firms Strategize?</i></p>	<p><b>Transport 1 - Highways (Financing &amp; Regulation) (Room H 2036)</b> Chair: Kenneth Button (George Mason Univ.)</p> <p>Törkel (German Federal Transport Ministry): <i>German HGV Toll System - First Experiences</i></p> <p>Doll / Schade (Fraunhofer Institute for Systems and Innovation Research): <i>How Using the Revenues of the German HGV Motorway Systems Efficiently and Equitable?</i></p> <p>Ponti (Polytechnic of Milan): <i>The Regulation of Transport Infrastructures in Italy</i></p> <p>Winter (TU Berlin, WIP) / Hirschhausen (TU Dresden): <i>Environmental HDV Road Charging for Berlin</i></p>	<p><b>Transport 2 – Railway (Room H 2037)</b> Chair: Vickerman (University of Kent)</p> <p>Jensen / Stelling (Göteborg University): <i>On the Effectiveness of Vertical and Horizontal Measures in Railway Deregulation</i></p> <p>Sieg (TU Braunschweig): <i>Price Discrimination and Entry in a Newly Liberalized Market for Passenger Transport</i></p> <p>Borndörfer / Schlechte (ZIB) / Peter / Mitusch / Tanner (TU Berlin, WIP): <i>Railway Slot Exchange Auctioning - Theory and a First Algorithm</i></p> <p>Brenck / Peter (TU Berlin, WIP): <i>International Cooperation in Rail Research</i></p>	<p><b>Water / Waste (Room H 3004)</b> Chair: Pethig (University of Siegen)</p> <p>Gaube / Weigand (WHU): <i>Germany's Waste Treatment Market: Competition Will Bring Fees Down</i></p> <p>Bartolini (University of Essex): <i>Integrated vs Separated Regulation</i></p> <p>Perez (Univ. Paris-Sud 11) / Bondoux (U. Paris X &amp; U. Paris XI, GRJM-ADIS) / Chabaud (U. Cergy-Pontoise &amp; METIS): <i>Market Design for Water Industry: What Insights from Electricity Markets Experiences?</i></p>
16.45 h	Poster Session				
18.15 h	<p><b>Electricity Modeling (Room H 3010)</b> Chair: Erdmann (TU Berlin)</p> <p>Apfelbeck / Nekrassov (EdF R&amp;D) / Kemfert / Kalashnikov (DIW Berlin): <i>EMELIE-NET – A Game-Theoretic Approach Including PTDF</i></p> <p>Pepermans / Willems (KU Leuven): <i>The Potential Impact of Cross-Ownership in Transmission: An Application to the Belgian Electricity Market</i></p> <p>Keseric / Haas (TU Vienna) Sagan (Univ. Paris Sud): <i>Competition in European Electricity Markets without Optimal Use of Transmission Infrastructure</i></p>	<p><b>Telecommunication 2 (Room H 2035)</b> Chair: Bolle (European University Viadrina)</p> <p>Wey (TU Berlin / DIW) / Baake (DIW) / Kamecke (HU Berlin): <i>Efficient Regulation of Dynamic Telecom. Markets and the New Regulatory Framework in Europe</i></p> <p>Recker (IMST) / Pohler (TU Dresden): <i>New Organisational Framework for Customised Communication Services in Heterogeneous Infrastructures with Asymmetrical Interdependencies</i></p> <p>Matias-Fonseca / Diz (U. Aveiro) / Soares (U. Porto): <i>Evolving Competition and Strategic Performance in Telecommunications: The Portuguese Mobile Operators</i></p>	<p><b>Transport 3 – Highways (PPP &amp; Concessions) (Room H 2036)</b> Chair: Galetovic (Universidad de los Andes)</p> <p>Briggs (British Highways Agency) / Drewett (Pell Frischmann Consultants): <i>Private Financing of Projects in the Highways Agency</i></p> <p>Ragazzi (University of Bergamo): <i>Are Highways Best Run by Concessions? The Italian Experience</i></p> <p>Beckers (TU Berlin, WIP) / Hirschhausen (TU Dresden) / Klatt (TU Berlin, WIP): <i>PPPs for German Motorways - Theory and Policy</i></p>	<p><b>Transport 4 - Air (Room H 2037)</b> Chair: Gillen (University of British Columbia)</p> <p>McCulloch (LogicaCMG): <i>Economic Regulation as a Tool to Improve Air Navigation Service Provision</i></p> <p>Czerny (TU Berlin, WIP): <i>Economic Regulation of Air Navigation Service Providers</i></p> <p>Vogel (University of Westminster): <i>Privatisation and Financial Performance of European Airports</i></p>	<p><b>Gas (Room H 3004)</b> Chair: Neumann (TU Dresden)</p> <p>Brito (Rice University and CIDE) / Rosellon (CIDE, Harvard University): <i>Timing of Investment in Regulated Natural Gas Pipelines</i></p> <p>Cuijpers (CREG, Belgium): <i>Determination of Available Capacity in Gas Transmission Networks in Europe</i></p> <p>Pavel (German Advisory Group, Ukraine) / Holz (DIW Berlin): <i>Will there be Enough for Everybody? - A Simulation Analysis of the LNG Market in the Atlantic Basin</i></p>
Evening, 20.00 h	Reception, Conference Dinner, Filmbühne am Steinplatz (Hardenbergstrasse 12, 10623 Berlin, tel.: +49-30-3126589)				

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**4<sup>th</sup> Conference on Applied Infrastructure Research**  
**Poster Session (16.45 – 18.15 h)**

(Arranged in alphabetical order)

- Auer / Weissensteiner / Faber / Huber / Obersteiner / Resch (Vienna University of Technology): *Comparing different Cost Allocation Policies for Large-Scale RES-E Grid Integration in Europe*
- Cullmann (DIW Berlin) / Apfelbeck (EDF): *Efficiency Analysis of East European Electricity Distribution Utilities - Legacy of the Past?*
- Devapriya / Alfen (Bauhaus University Weimar): *Debt and Equity Ownership Issues in Public-Private Partnership-Organisations in Network Infrastructure Industries*
- Finger / Crettenand (Swiss Federal Institute of Technology (EPFL)): *What Works and What Doesn't with BOT Contracts? The Case of Thermal and Hydraulic Plants*
- Höffler (Max Planck Institute for Research on Collective Goods) / Wittmann (TU Berlin): *Netting of Capacity in Interconnector Auctions*
- Holz / Hirschhausen / Kemfert (DIW Berlin): *A Strategic Model of the European Natural Gas Supply*
- Jensen (London School of Economics): *Troubled Partnerships: Problems and Coping Strategies in Jakarta's Water Concessions*
- Kamp (University of Applied Sciences Bremen): *German Airport Performance*
- Kosztyo / Bokor / Meszaros / Tanczos (Budapest University of Technology and Economics): *Experiences of Private Provision of Road Transport Infrastructure in Hungary*
- Kristiansen (KEMA Consulting): *Financial Transmission Rights – Experiences and Prospects*
- Kuchinke / Sickmann (Ilmenau University of Technology): *The Joint Venture Terminal 2 at Munich Airport and the Consequences*
- Künneke / Fens (Delft University of Technology): *Ownership Unbundling of Electricity Distribution Networks: An Institutional Economic Analysis*
- Leuthold / Jeske / Rumiantseva / Sternberg (TU Dresden): *Nodal Pricing in the German Electricity Sector - A Welfare-Economic Analysis, with Particular Reference to Implementing Offshore Wind Capacities*
- Malina (University of Münster): *Market Power and the Need for Regulation in the German Airport Market*
- Minullin (International Institute for Applied Systems Analysis) / Krey (Programmegroup STE): *Modeling Investment Decisions in Gas Pipeline Networks: A Game-theoretic Mixed Complementarity Problem Formulation and its Application to the Chinese Gas Market*
- Mollard (Univ. Paris Sud 11, GRJM): *Switching Costs and Pricing Strategies of Incumbent Suppliers on the British Retail Electricity Market*
- Müller / Weigt (EnBW): *How Much Cost-Plus is in German Cost-Plus Network Charges*
- Mulder / Lijesen / Driessen (CPB Netherlands Bureau for Economic Policy Analysis): *Welfare Effects of Vertical Separation in the Dutch Railways*
- Németh (Complutense University Madrid): *Evolution of Productive Efficiency in the Hungarian Electricity Industry between 1990-2002*
- Neumann / Hirschhausen (TU Dresden): *Long-Term Contracts for Natural Gas Supply – An Empirical Analysis of the Changing Nature of Pipeline and LNG-Contracts*
- Saplacan (University Paris XI): *Natural Monopoly and Solutions to be Implemented – Why Do We Prefer to Regulate Electric Utilities?*
- Tankha (Massachusetts Institute of Technology): *Mischievous Markets: Liberalisation and Dynamic Efficiencies of Investment in Developing Country Electric Power Industries*
- Wackerbauer (ifo Institute for Economic Research): *Regulation and Privatization of Public Water Supply and Corresponding Competitive Effects*
- Weidlich (University of Karlsruhe): *Testing Market Designs for the German Balancing Power Markets with Agent Based Simulation*
- Wilson (TU Berlin, WIP) / Ott (University of Karlsruhe): *Can Auctions of Rail Capacity Work? Restrictions and Regulation of a Market-Based Approach*
- Zachmann (DIW Berlin): *Convergence of Electricity Wholesale Prices in Europe*

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