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European Energy in a Challenging World: The impact of emerging markets

9th BIEE Academic Conference

St John's College, Oxford, England
19-20 September 2012

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Conference Programme

Day 1: Wednesday 19th September 2012

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| 09:00 | Accommodation Registration Main Porter's Lodge, St John's College, St Giles, Oxford, OX1,3JP | | | | |
| 09:45 | Conference Registration Garden Quad Registration Desk | | | | |
| 10:30 | Welcome Room : Auditorium <i>Gareth Davies, Poyry Energy, Oxford, BIEE Chair</i> | | | | |
| 10:40 | Keynote Address - Investing in the Future <i>Steve Riley, CEO and President , UK- Europe, International Power GDF Suez</i> | | | | |
| 11:20 | First Plenary Session – ‘The Long-term Future to 2050’ Session Chair : <i>Prof. Richard Green</i> | | | | |
| 11:20 | Shell Scenarios <i>Jeremy Bentham, Vice President Global Business Environment, Shell</i> | | | | |
| 11:40 | The UK Carbon Plan <i>Steven Fries, Chief Economist, Department for Energy and Climate Change</i> | | | | |
| 12:00 | Delivering the low carbon energy jigsaw. Will the technology and incentive pieces fit? <i>Peter Dodd, Director of Stakeholder Relations, Energy Technologies Institute</i> | | | | |
| 12:20 | Questions and Discussion | | | | |
| 12:45 | Lunch - Garden Quad and Dining Hall | | | | |
| 14:00 | Parallel Session 1.1 Electricity 1 Room: Auditorium Session Chair <i>Phil Grant , Baringa Partners</i> | Parallel Session 1.2 Energy Demand Room : Dolphin Lecture room Session Chair <i>Ben Irons, Centrica</i> | Parallel Session 1.3 Energy Modelling Room : Prestwich Session Chair <i>John Dimitropoulos, Kema</i> | Parallel Session 1.4 Oil and Gas Room: North Lecture room Session Chair <i>Peter Stewart, Interfax</i> | Parallel Session 1.5 Energy System Transitions Room: Larkin Session Chair <i>Peter Connor, University of Exeter</i> |
| 14:00 | Is Green Healthy for Competition? Renewable Technologies, Optimal Generation Mix and Price Volatility in Competitive Electricity Markets <i>Professor Asher Tishler, Tel Aviv University</i> | Predicting the diversity of internal temperatures from English dwellings using panel regression methods <i>Mr Scott Kelly, University of Cambridge</i> | Modelling the UK energy system: practical insights for technology development and policy making <i>Mr. George Day, Energy Technologies Institute</i> | The Economics of CO2 Sequestration through Enhanced Oil Recovery <i>Prof. Charles Mason, University of Wyoming</i> | Developments within the UK Wave Energy Sector <i>Mr. Angus Vantoch-Wood, University of Exeter</i> |

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| 14:30 | Political Shocks and Efficient Investment in Electricity Markets <i>Prof. Felix Muesgens, Brandenburg University of Technology</i> | A review of the costs and benefits of demand response for electricity in the UK <i>Mr. Peter Bradley, University of Surrey</i> | Macroeconomic costs and benefits for the EU as a first mover in climate change mitigation: a computable general equilibrium analysis <i>Dr. Leonidas Paroussos, National Technical University of Athens</i> | Third Party Access to Infrastructure and the Future Recovery of Oil and Gas Reserves in the UKCS <i>Prof. Alexander Kemp, University of Aberdeen</i> | Electricity storage in future GB networks - a market failure? <i>Mr. Philipp Grunewald, Imperial College, London</i> |
| 15.00 | Is there still merit in the merit order stack? The impact of dynamic constraints on optimal plant mix <i>Dr. Iain Staffell, Imperial College, London</i> | Estimating Direct And Indirect Rebound Effects For UK Households <i>Dr Mona Chitnis, University of Surrey</i> | An empirical study of the information premium on electricity markets <i>Mr. Richard Biegler-König, University of Duisburg-Essen</i> | Crude oil futures markets: Does NYMEX trade and the decoupling of WTI and Brent affect ICE trade? <i>Prof. Ronald Ripple, Curtin University</i> | The UK Accelerated Innovation System for Energy: A critical review and a commentary <i>Dr Mark Winskel, Edinburgh University</i> |
| 15.30 | Tea | | | | |
| 15.45 | A nuclear renaissance for Europe? <i>Prof. Gordon MacKerron SPRU, University of Sussex</i> | The impact of future heat demand pathways on the economics of low carbon heating systems <i>Mr. Robert Sansom, Imperial College, London</i> | Managing Low Carbon Technology Options in the Electricity Sector: A Case Study of Guangdong Province in China <i>Dr Xi Liang, University of Exeter</i> | Mind The Gap: Experienced Engineers Wanted <i>Mr. Maxime Le Floch, AXA Investment Managers</i> | Sailing ship/Last Gasp Effects, Low Carbon Technologies and High Carbon Incumbents <i>Prof. Peter Pearson, Cardiff University</i> |
| 16.15 | Discussion | The Green Deal and the Energy Company Obligation - will it work? <i>Mr. Jan Rosenow, ECI, Oxford University</i> | Energy Conservation Contests as Field Experiments on Strategic Allocation of Effort <i>Dr Philomena Bacon, LUMS, Lancaster University</i> | Implications of local content policies for oil and gas sectors <i>Prof. Yelena Kalyuzhnova, University of Reading</i> | Transition pathways for a low carbon electricity system in the UK: Key findings and policy messages <i>Dr Timothy Foxon, University of Leeds</i> |
| 16.45 | Discussion | Discussion | Discussion | Discussion | Discussion |
| 17:00 | Research Roadshow - Student Poster Session – Sponsored by BG Group Room: Garden Quad Reception Session Chair: <i>Dr Peter Connor, University of Exeter</i> | | | | |
| | The small-scale feed-in tariff in Great Britain: its role in electricity system transition <i>Mr. Jimmy Aldridge, The University of Exeter</i> European Electricity Co-operation: The Role of Import and Export in CO2 Reduction <i>Miss Kwanruetai Boonyasana, The University of Leicester</i> | | | | |

Effects of Utilization in Real-time on Electricity Capacity Assessments

Mr. Alasdair Bruce, University of Edinburgh

How the internal rate of return drives bias in energy investment decisions

Ms. Tanja Groth, Aarhus University/Stirling.DK ApS

Exploring policies for the transition towards electric vehicles

Mr. Christoph Mazur, Imperial College, London

Predicting the diversity of internal temperatures from English dwellings using panel regression methods

Mr Scott Kelly, University of Cambridge

Empirical Analysis of Dynamic Efficiency and Innovation in Power Distribution Networks: The Case of Norway

Mr. Rahmatallah Poudineh, Heriot-Watt University

The Resource Curse Hypothesis Re-Visited - Evidence Using Heterogeneous Panel Analysis

Mr. Mahmud Suleiman, University of Surrey

Identifying Uncertainty in Energy System Models

Mr. Will Usher, UCL, Energy Institute

The Economics of LNG Export Contract Flexibility: a quantitative approach

Miss Yichi Zhang, University of Cambridge

18:00 Drinks - Garden Quad

19:00 Conference Dinner – St John’s College Dining Hall

After Dinner Speaker - The Rt. Hon the Lord Fraser of Carmyllie

Day 2: Thursday 20th September 2012

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| 08:30 | Registration (for delegates arriving on 20th) - Garden Quad reception | | | | |
| 09:00 | Second Plenary Session - 'International pressures on Europe's energy supplies' Room :Auditorium Session Chair: <i>Prof. Yelena Kalyuzhnova , University of Reading</i> | | | | |
| 09:00 | International pressures on Europe's energy supplies: what are the natural gas issues? <i>Prof. Jonathan Stern, Chairman, Natural Gas Programme, Oxford Institute for Energy Studies</i> | | | | |
| 09.25 | A UK Perspective on European Energy Security and the Changing Supply Options <i>Angus Miller, Caspian Energy Advisor , Foreign and Commonwealth Office</i> | | | | |
| 09:50 | Long term Outlook <i>Christof Rühl, Chief Economist , BP plc</i> | | | | |
| 10:15 | Questions and Discussion | | | | |
| 10:45 | Coffee | | | | |
| 11.00 | Parallel Session 2.1 Carbon Prices Room: Larkin Session Chair <i>Edward Libbey , Clive Stokes</i> | Parallel Session 2.2 Electricity 2 Room : Prestwich Session Chair <i>Richard Green, Imperial College</i> | Parallel Session 2.3 Emerging Markets Room: North Lecture room Session Chair <i>Yelena Kalyuzhnova , University of Reading</i> | Parallel Session 2.4 Energy for Transport Room: Dolphin Lecture room Session Chair <i>Gareth Davies, Poyry Energy , Oxford</i> | Parallel Session 2.5 Renewables Room: Auditorium Session Chair <i>Tim Foxon, University of Leeds</i> |
| 11:00 | Information Assimilation in the EU Emissions Trading Scheme: A Microstructure Study <i>Miss Jiayuan Chen, University College Dublin</i> | Germany's energy transition and its effect on European electricity spot markets <i>Mrs. Melanie Houllier, Cass Business School</i> | A Mediterranean electricity co-operation strategy. Vision and rationale <i>Dr. Alessandro Rubino, Enel Foundation</i> | Decarbonising surface transport in 2050 <i>Mr. Eric Ling, Committee on Climate Change</i> | The impact of installer business models on the uptake of residential micro generation in the UK: Evidence from a nation-wide survey <i>Mr. Richard Hanna, University of Surrey</i> |
| 11:30 | Co-movements between carbon, energy and financial markets. A multivariate GARCH approach <i>Mr. Nicolas Koch, University of Hamburg</i> | Market integration, efficiency and interconnectors <i>Dr. Rabindra Nepal, Herriott Watt University</i> | The Potential Impact on Europe of Russia's Evolving Domestic Gas Market <i>Dr. James Henderson, Oxford Institute for Energy Studies</i> | Spatial Panel Data Models and Fuel Demand in Brazil <i>Dr Gervasio Santos, Federal University of Bahia</i> | Effectiveness of Feed-In Tariff Schemes for Solar PV: The Miracle Case of Italy <i>Mr. Piergiorgio Chelucci, KEMA</i> |

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| 12:00 | Carbon Taxation if Liquefied Coal will (not) Substitute Oil and Gas <i>Mr. Florian Habermacher, University of St. Gallen</i> | Valuation of Interconnector Transmission Rights - Do Auction Prices Reflect Option Values? <i>Ms Celine McInerney, University College Cork</i> | Unconventional Gas – A review of estimates <i>Mr. Jamie Speirs, Imperial Centre for Energy Policy and Technology</i> | Unlocking a path dependency? The case of Brazilian ethanol implementation in Petrobras <i>Mr. Nelson Mojarro Gonzalez, University of Sussex</i> | What's the future role of photovoltaics in the UK energy mix? A discussion of recent market and policy developments <i>Dr. Chiara Candelise, Imperial College, London</i> |
| 12:30 | Cumulative Carbon Emissions and Climate Change <i>Dr. John Rhys, Oxford Institute for Energy Studies</i> | How large should a portfolio of wind farms be? <i>Prof. Richard Green, Imperial College</i> | Discussion | Discussion | Discussion |
| 13:00 | Lunch - Garden Quad and Dining Hall | | | | |
| 14:00 | Chairmen's Panel Room: Auditorium A chance to hear summaries of the parallel session papers and debates <i>Parallel Session Chairs</i> | | | | |
| 14:40 | BIEE Prize for Best Student Posters <i>Gareth Davies – BIEE Chair</i> | | | | |
| 14:50 | Third Plenary Session - 'Paying for Investment' Session Chair : <i>Benjamin Klooss, BP plc</i> | | | | |
| 14:50 | Global Trends in Clean Energy Investment. <i>Michael Liebreich, Chief Executive, Bloomberg New Energy Finance</i> | | | | |
| 15:15 | Perspectives of an Energy Infrastructure Investor <i>Mathew Rose, Group Head of Strategic Partnering, National Grid</i> | | | | |
| 15:40 | Policy Aspects of Renewable Energy Finance <i>Kirsty Hamilton, Low Carbon Finance Group</i> | | | | |
| 16:05 | Questions and Discussion | | | | |
| 16:30 | Tea and depart | | | | |