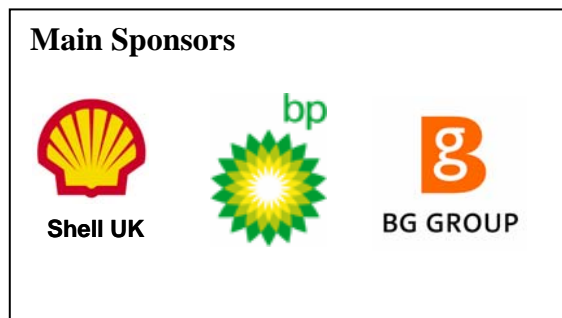


BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford



6th BIEE Academic Conference
in association with
UK Energy Research Centre

Energy Policies in a Global Context

St John's College Oxford, England
20-21 September 2006

Wednesday 20th September

- 10:00 Accommodation Registration
(Residential Main Porter's Lodge, St Giles, Oxford, OX1 3JP)
- 10:45 Conference Registration
(Garden Quadrangle Foyer)
- 11:00 **Opening and Session Chair**
BIEE chairperson Dr Matthew Leach and BIEE conference chairperson
welcome Lord Howell President of the BIEE
Lord Howell, President of the BIEE
- 11:15 **Key Note Speaker**
Dr. Malcolm Wicks, Minister of Energy, Department of Trade and Industry
- 12.00 **Key Global Energy Issues – the UK Government View**
Mr. Peter Davies, Head of Energy, Department for International
Development
Mr. Richard Folland, Head of Energy Strategy in the Climate Change and
Energy Group, Foreign and Commonwealth Office
Speaker from DEFRA
- 13:00 **Lunch**

BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford

14:00 First Parallel Session

Session 1 Demand Policies

Session Leader: Dr. Brenda Boardman, Environmental Change Institute, University of Oxford

Defining and Measuring the Rebound Effect from Improved Energy Efficiency

Steve Sorrell (University of Sussex)

Energy Consumption Takes Time

John Dimitropoulos (University Of Sussex)

Can Energy Services Companies Deliver Low Carbon New Build Homes?

Sharad Saxena (Oxford University)

Incorporating Behavioural Responses within a Technology Optimization Energy Model

Ramachandran Kannan and Neil Strachan (Policy Studies Institute)

Session 2 Security Issues

Session Leader: Dr. Gareth Davies, Oxera

Strategic Storage And Security Of Gas Supply In The UK

David Cox And Andrew Nind (Poyry Energy Consulting)

EU Standards for Energy Security of Supply

Martin Scheepers (ECN, The Netherlands)

Measuring Supply Security in Electricity Markets

Jostein Kristensen (Oxera)

Session 3 Decentralisation Issues

Session Leader: Dr. Bridget Woodman, University of Warwick

Goran Strbac and Tim Green, Imperial College

The Economic Value and Carbon Dioxide Emission Implications of Community Heating Network versus Micro Combined Heat and Power Energy Provision in the UK

Adam Hawkes and Matthew Leach (Imperial College)

New Deployment Models for Micro Regeneration

Raphael Sauter (University of Sussex)

The Role of Smart Meters

Judith Ward, (Warwick Business School)

David Hirst (Responsive Load)

Decentralised Energy Potential

Doug Parr (Greenpeace)

BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford

Session 4 Transport

Session Leader: Nick Hartley, Oxera

*Contracting UK Carbon Emissions : Implications for
UK Aviation*

Alice Bows (University of Manchester)

*Effect Of Pay As You Drive Charges On The Adoption Of Lower Carbon
Vehicles*

Ben Lane (Eco Lane) And James Warren (OU)

Vehicle Ownership and Income Growth, Worldwide: 1960-2030

Joyce Dargay (Leeds University)

*The Impact Of Standards And Fuel Prices On Vehicle Fuel Efficiency: An
International Price Analysis*

Theodoros Zachariadis (University Of Cyprus)

*Structural Differences In The Economics Of Contrasting Approaches To
Urban H₂ Infrastructure Development For Transport*

David Joffe (University Of Cambridge)

The Demand For Gasoline In Japan To 2020 And New Car Fuel Efficiency

David Bonilla (University Of Cambridge)

16:00 Tea

16.30 Student Market Place

*A highly interactive parallel event in which students will set-up shop around posters, presenting their
academic work in a 10 minute presentation followed by short discussions with their audience.*

Session Leader: Dr Matthew Leach, Imperial College London

The Potential for Energy Crops in the UK

M. Whittell (Imperial College)

Domestic Microgeneration and the Electricity Sector

J. Jenkins (Imperial College)

*Market Segment Analysis For Bioenergy Heat And CHP: The Case Of UK
Energy
System*

A. Pantaleo For S. Jablonski (Imperial College)

Environmental Costs Of Restructuring The Electricity Sector In Mexico

R. Fuentes (London School Of Economics)

Dynamic Econometric Modelling of Revenue Volatility and Growth

H. Mahmud (University of Surrey)

*Natural Gas Price Convergence: within the Atlantic Basin and on a Global
Scale. When and at what level of prices in the future should we expect this to
happen?*

M. Patel (Cass Business School)

Kyoto Protocol Compliance Policies And Trade Effects

BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford

G. Malumfashi (University Of Dundee)

Cash Flow And Emissions Allowances Allocation For Electricity Storage Systems Under DSM Programs

L. Exarchakos (Imperial College)

Future World Oil Supply In Light Of Declining Oil Production Within OECD

O. Sekkat (Cass Business School)

Municipal Energy Management A Review and the Way Forward

I. Argyriou (De Montfort University)

Comparing Technology and fuel options for decarbonisation of road Transportation

A. Beaudet (Imperial College)

Impact On Distribution Losses Of Changing The Domestic Single-Rate Demand Profile

R. Shaw (University Of Surrey)

The Economic Viability And Future Of The Albertan Oil Sands.

S.Ogilvie-Harris (Cass Business School)

An Assessment Of Terminology And Commodity Market Concepts Surrounding The Discussion Of A Global LNG/Natural Gas Market

A.Yoyo (Warwick Business School)

The Beast Of High Oil Prices: Can It Be Tamed?

F Oredugba (University Of Dundee)

18:00 **Drinks**

19:00 **Conference dinner**

BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford

Thursday 21st September

- 9:00** **Second Plenary Session**
Session Leader: Wim Thomas, Shell
Part 1
Professor Chris Allsopp, Director of the Oxford Energy Institute
High Energy Prices and the Global Economy

Dr. Herman Franssen, Independent Consultant and ex-IEA
US and European Policies for Reducing Oil Dependence.
- 10.30** **Coffee**
- 11.00** **Part 2**
Dr. Stephen Berry, Assistant Director, Buildings and Energy Efficiency Policy, Australian Greenhouse Office, Dept of Environment and Heritage
Dr. Tony White, Director and Head Of Advisory Team, Climate Change Capital
Prof. Gordon MacKerron, Head of Sussex Energy Group
Rapporteur: Prof. Peter Pearson (Imperial College)
- 12:30** **Lunch**
- 3:30** **Second Parallel Session**
- Session 1** **Geopolitics**
Session Leader: Richard Folland, Head of Energy Strategy in the Climate Change and Energy Group, Foreign and Commonwealth Office
The New Security Environment for European Gas: Worsening Geopolitics and Increasing Global Competition for LNG
Jonathan Stern (Oxford Energy Institute)
Understanding Gazprom
Nicholas Perry (PES Ltd)
Commitments through Financial options : A way to facilitate Compliance with Climate Change Obligation
Karsten Neuhoff (University of Cambridge)
Writing Petropolitics: The Poverty of Geo-Political Analysis
Iain Grant (Dalhousie University, Canada)
- Session 2** **Innovation Policy**
Session Leader: Dr. Jim Watson, SPRU Science and Technology Policy Research, University of Sussex
Ofgem , Distributed Generation And Innovation: Recent Initiatives
Bridget Woodman (Warwick Business School)
Corporate Strategy and Technological Innovation Systems: Integrating Individual Agency into the systems' approach
Till Stenzl (Imperial College)

BIEE Academic Conference in association with UK Energy Research Centre
20-21 September 2006, St John's College Oxford

*Framework Conditions in Residential Combined
Heat and Power*

Jim Brown (Cass Business School)

*The Sailing Ship Effect and its Potential Influence on Energy Transitions
And Policy*

Peter Pearson,(Imperial College)

*Influences On Proportion Of Electricity Generated By Nuclear Power
Around The World*

D. Toke (Birmingham University)

Session 3 Energy Modelling

**Session Leader: Prof. Lester Hunt, Surrey Energy Economics Centre
(SEEC), University of Surrey.**

Modelling UK Long Term Carbon Abatement Scenarios With UK Market
Neil Strachan And Ramachandran Kannan (Policy Studies Institute)

Carbon Tax Or Carbon Permits:The Impact On Generators Risks
Richard Green,(Birmingham University)

*Econometric analysis of the interactions between the European emission
Trading scheme and energy prices*

Carlo Fezzi (London Business School)

Jo Evans (University of Surrey)

How to evaluate the importance of oil in economic growth
Ikka Lavonius (Independent Consultant, Oxford)

16.00 Wrap-Up Panel

Conference Chairperson

Catherine Mitchell – key points from the parallel sessions and thank you to
Mary Scanlon

16.30 End of Conference