



Registration open: Global Energy Systems - June 26-28 2013

Posted by [Rembrandt](#) on March 1, 2013 - 6:07am

Our energy system is evolving due to depletion of cheap fossil fuels and the need for carbon emission constraints. Government and business are under pressure to tackle the energy challenges of rising energy costs, energy security, and reducing greenhouse gas emissions. We witness rapid changes across countries as this evolution takes place, steered both by markets (investment decisions) and government (policy decisions).

It is essential for energy professionals to stay well informed with the latest insights in this evolving world. For this reason, Euan Mearns of The Oil Drum, myself and several others, are organizing the first three-day [Global Energy Systems conference](#), which will take place in Edinburgh, United Kingdom from June 26 - 28 2013. The conference is meant to deliver key updates on the most pressing energy issues and challenges facing our energy system, as well as providing a forum for exchange of substantially different viewpoints. It is supported by several universities and research institutes including University of Aberdeen, University of Edinburgh, Oxford Research Group, Chatham House and others.



The scope is deliberately very broad, covering most primary energy sources, so that a global view of the current energy system can be presented. [Session topics](#) include “the limits to easily accessible fossil fuels”, “frontier fossil fuel technologies and basins”, “the viability of nuclear power”, “the costs and benefits of fossil versus renewable electricity”, and “the economics and policy of energy systems”. A few of our confirmed speakers include Michael Kumhof (IMF), Sir David King (former Head Smith School Oxford University), Arthur Berman (The Oil Drum), Dr. William Blyth (Director Oxford Energy Associates) , Peter Jackson (IHS CERA), Lord Ron Oxburgh (House of Lords UK Parliament), Dr. Alexander Naumov (Group Economics BP), and Guy de Kort (Shell Vice President GTL).

Read below the fold for an overview of the conference programme and confirmed speakers to date.

Conference Sponsors:



General information

1st [Global Energy Systems Conference](#)

Our Dynamic Earth, Edinburgh, United Kingdom

Wednesday June 26 to Friday June 28, 2013

[Registration open - early bird rates available until April 1st](#)

Conference partners:



General interest, media and sponsorship enquiries

The conference is organized on a non-profit basis by a group of energy professionals concerned about the challenges that we face. Any expressions of interest, suggestions for content and analysis, and contributions of sponsorship, are most welcome. Your content, media, and sponsorship related communication can be directed to: [alexr at scenetwork.co.uk](mailto:alexr@scenetwork.co.uk)

Conference Programme updated on 23 February 2012

Day 1 – Fossil Fuels: Can we turn Unconventional into Conventional?

Conference Opening		
08:00 – 09:00	Registration Coffee & tea	
09:00 – 09:40	Welcome and Sponsor address	Program Committee and Sponsors
09:40 – 10:25	Keynote Address on the Global Energy Challenges	Lord Ron Oxburgh, House of Lords UK Parliament
10:25 – 10:50	Coffee & tea	

The Limits to Easily Accessible Fossil Fuels		
10:50 – 11:15	Fossil Fuel Production forecasts: analysis of resource and reserve assumptions and model mechanics	Joint Paper convened by Dr. Roger Bentley
11:15 – 11:40	Perspectives on China's Coal Industry and Future	Kevin Jianjun Tu, Senior Associate Carnegie
11:40 – 12:05	World Oil Upstream Development Outlook, Production, Technology, and Cost.	Dr. Peter Jackson, Head of Research IHS CERA
12:05 – 12:30	Russia's Natural Gas Production & Export Policy	Dr. Tatiana Mitrova, Head Oil & Gas, Energy Research Institute Russian Academy of Sciences
12:30 – 13:30	Lunch Break	

Frontier Fossil Fuel Technologies and Basins		
13:30 – 13:55	The future of US shale/tight oil	Dr. Kenneth Chew
13:55 – 14:20	Oil and gas recovery from continuous (unconventional) resources: Technology innovation options for improving the economic baseline	Dr. Ruud Weijermars, Director TU/Delft Unconventional Gas Research Initiative
14:20 – 14:55	Enhanced Oil Recovery - The 300 billion barrel question	
14:55 – 15:10	Refreshment Break	
15:10 – 15:35	The current status of Underground Coal Gasification as a Commercial Technology	Dr. Peter Dryburgh, Wardell Armstrong
15:35 – 16:00	Gas to Liquids - an opportunity to convert natural gas for use in the transport sector	Guy de Kort, Shell Vice President GTL
16:00 – 16:30	Coffee & tea	

Debate: Energy Scarcity, Threat or Fiction?

16:30 – 17:30	Viewpoint A: "Upcoming technologies will unlock the unconventional resource base"	Dr. Thomas Ahlbrandt, Vice-President of Exploration at Falcon Oil & Gas
		Dr. Roberto F. Aguilera, Research Fellow Curtin University, Australia.
	Viewpoint B: "We can't afford the energy, labour and capital cost to prolong the fossil fuel era"	Dr. Michael Kumhof, Deputy division chief, Modeling Unit International Monetary Fund (IMF)
		Arthur Berman, Labyrinth Consulting Services

Day Summary		
17:30 – 18:00	Closing	Program Committee
18:00 – 21:00	Drinks & Networking Event	Separate tickets available

Day 2 – The Future of the Electricity System

Conference Opening		
08:00 – 09:00	Registration Coffee & tea	
09:00 – 09:40	Welcome and Sponsor address	Program Committee and Sponsors
09:40 – 10:25	Keynote Address	Dr. Jeremy Leggett, non-Executive chairman Solarcentury, Chairman Solaraid
10:25 – 10:50	Coffee & tea	

The viability of Nuclear Power		
10:50 – 11:15	Nuclear after Fukushima, the Global Nuclear Outlook	Dr. Ian Emsley, World Nuclear Association
11:15 – 11:40	The uranium fuel market, prospects and constraints	
11:40 – 12:05	Title to be announced	Prof. Steve Thomas, Greenwich University
12:05 – 12:30	Generation IV fast reactors and the re-use of long-lived nuclear waste.	Dr. Richard Stainsby, AMEC
12:30 – 13:30	Lunch Break	

The challenges of a renewable based electricity grid		
13:30 – 13:55	The Benefits and Costs of Renewable Energy deployment	Dr. Ulrike Lehr, Institute of Economic Structures Research GWS
13:55 – 14:20	Electricity demand side grid management.	
14:20 – 14:55	The full costs of electricity and storage	
14:55 – 15:10	Refreshment Break	
15:10 – 15:35	Title to be announced	Dr. David Fermin, University of Bristol
15:35 – 16:00	Innovative electricity storage technologies on the horizon	
16:00 – 16:30	Coffee & tea	
16:30 – 17:30	Debate: Where to invest in for the electricity system of the future? A choice between Shale Gas, Nuclear, Renewables, and Coal with CCS?	
	Viewpoint A: "We need all sources, the renewable economy is not viable in the short to mid term."	
	Viewpoint B: "Renewables yield abundant potential for re-industrialization into a green economy"	
	Dr. Jerome Guillet, Managing Director Green Giraffe Energy Bankers Prof. Stuart Haszeldine, University of Edinburgh <i>More Speakers to be announced</i>	

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Day Summary		
17:30 – 18:00	Closing of Day 2	Program Committee
18:00 – 19:30	Policy Workshop: the information, data, and policy gaps on meeting the Energy Challenges towards the Future Electricity System	Breakout group of speakers plus invited delegates

Day 3 – The Economics & Policy of Energy Systems

Conference Opening		
08:30 – 09:00	Coffee & tea	
09:00 – 09:15	Welcome and Sponsor address	Program Committee and Sponsors
09:15 – 10:00	Keynote Address	Professor Sir David King, Former Director Smith School Oxford University

Understanding Energy Supply, Demand, Price, and the role of policies		
10:00 – 10:25	The energy outlook to 2030: Global Trends in energy-economic relations	Dr. Alexander Naumov, Group Economics, BP plc
10:25 – 10:50	The influence of price risks on policy design and investment	Dr. William Blyth, Director Oxford Energy Associates
10:50 – 11:15	Coffee & tea	
11:15 – 11:40	The capital cost requirements of energy transitions	Dr. Michael Dale, Stanford University
11:40 – 12:00	The demand side: energy intensity of the economy	Dr. Sgouris Sgouridis, Masdar Institute
Panel Discussion on Key Knowledge, Data & Policy Gaps in the Energy sphere		
12:00 – 12:45		Professor Michael Jefferson, University of Buckingham
		Professor Zoe Shipton, University of Strathclyde
		<i>More panelists to be announced</i>
12:45 – 13:00	Conference Summary, Final Sponsor Thanks	

Energy Modelling workshop		
13:00 – 14:00	Lunch with Introduction	
14:00 – 14:30	Selected Individual Presentation rounds	
14:30 – 16:00	Discussion	
	<i>Speakers to be announced</i>	

[Click here to download the Conference Programme Brochure](#)
[Dynamic Earth, Edinburgh, 26th-28th June - Register Here!](#)



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