

A central graphic for the 'Energy Burst' event. It features a large orange circle with the word 'Energy' in a serif font. Below it, the text 'Predicting the Future Macro-economic & decarbonisation modelling' and the date '5th December 2014 12:30 - 13:30' are displayed. The central circle is surrounded by a network of orange lines connecting to various energy-related icons: a nuclear power plant, a sun, a wind turbine, a wave, a power line tower, a thermometer, and a house with solar panels. The background is a light grey gradient.

Energy

Predicting the Future
Macro-economic &
decarbonisation modelling

5th December 2014
12:30 - 13:30

The upcoming Energy Burst will be a single session focused on cutting edge Analytical Techniques used to predict future energy demand. We are privileged to have Professor Neil Strachan (UCL), a leading global expert in the energy modelling field.

Professor Neil Strachan (UCL)

Energy modelling and the Energy Decision Making Process

Energy policy across the globe is grappling with a set of unprecedented challenges, including decarbonisation, security, competitiveness, and equity. Energy models provide essential quantitative insights into these 21st Century challenges, and form the quantitative underpinning for government and industrial decision making. However different energy models have very different methodologies, and are designed to answer different research and policy questions. Furthermore, energy models are built, run, critiqued and applied by real people and real organisations.

This seminar uses the example of one type of energy model – an energy systems optimisation framework, focusing on the UK – as the first G20 economy to adopt legally binding targets for long term decarbonisation of the energy system. Using this example we will open the black box of energy modelling, and discuss the provision of energy modelling insights and the iteration with policy/business decision making.

Prof Neil Strachen leads UK's largest energy modelling group. Lots of different modelling frameworks that can be brought into play – macro economy modelling, decarbonisation target models etc. Sector specific models. Some models are local (city) or UK, there are also European and global models. The taster seminar could give insights into the use of all the different types of models or to focus on any models that might be of particular interest to Arup.

Date

Friday, 5th December 2014

If you work in the Energy Business or have an interest in Arup projects in this area please consider attending or viewing.

The presentations will be hosted from several offices. The following rooms have already been booked:

Leeds: Aire Room

Sheffield: Casket & Atlas Rooms

Edinburgh: Meeting Room 1

Bristol: Room C

Cardiff: Conwy (3rd Large)

Campus: Nyquist Theatre
(please note no food allowed in this room)

London: B.8, Emerson

Newcastle: Room L

Please consider booking a room in your local office.

Lunch is not provided. Feel free to bring your own sandwiches.

Contact

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Join Lync on

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Conference ID: 50624795