



The Open University

COPING WITH VARIABILITY

INTEGRATING RENEWABLES INTO THE ELECTRICITY SYSTEM

A one-day conference at the Open University, Milton Keynes
Tuesday 24 January 2006, 10.30am - 5.00pm

Organised by the Open University Energy and Environment Research Unit
*Can renewable energy provide reliable power?
Will it need extensive back up?*

The energy available from the winds, waves, tides and the sun varies in ways which may not match variations in energy demand - sometimes there will be too much power, at other times not enough. Is this a significant problem, or can these new sources be integrated into the grid system without the need for extensive back up or energy storage capacity?

The conference will look at the technical options for reconciling the differing patterns of supply and demand.

Speakers include

Professor Mike Laughton (Imperial/QMC) who will provide an overview of the issues, **Dr. David Millborrow** (consultant) on integrating variable wind power, **Dr. Graham Sinden** (Oxford University) on integrating all renewables, and **Robert Gross** (Imperial College) on the TPA/UKERC review of Intermittency. **Professor David Infield** (CREST) and **Professor Goran Strbac** (Manchester) will act as discussants. Contributions have also been invited from **Fred Starr** (Institute of Energy, Netherlands) and **Brian Hurley** (Airtricity, Ireland).

The conference fee is £35, which includes lunch and refreshments.

If you want to attend please send a cheque payable to 'The Open University' plus your name and address to:

Claire Emburey, EERU,
Department of Design and Innovation,
Faculty of Technology, The Open University,
Milton Keynes, MK7 6AA. UK.

Or you can let her know you are coming and then pay on the door.

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