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About

Dr Jonathan Radcliffe is Senior Research Fellow, working across the Engineering and Physical Science College, and Business School. His research interests lie in technology, policy and market options for energy system flexibility, in particular the role of energy storage.

Jonathan has extensive knowledge of policy-making, having worked in Government and Parliament for 13 years. He has worked directly with policy makers, academics and business leaders at the highest level.

He has written reports on future energy innovation priorities, the role of energy storage, and flexibility options for the UK's energy system. He has experience of working within Europe, in China, and is leading a comparative analysis of UK and Korea energy systems funded by the FCO.

Jonathan regularly presents at national and international conferences, and contributes articles to journals and magazines.

Qualifications

- PhD in Experimental solid state physics, 1997
- BSc in Physics, 1993

Biography

Jonathan Radcliffe obtained a first-class Physics BSc at Imperial College London, with a year at Université de Paris Sud-Orsay in France. He went on to the University of Cambridge where he undertook a PhD at the Interdisciplinary Research Centre in Superconductivity, studying the physical properties of high-temperature superconductors.

Jonathan spent three years at the UK's Meteorological Office, then in Bracknell. He was a scientist working in Numerical Weather Prediction, testing and developing the UK forecast model.

In 2000 he moved into policy, and spent eight years working around Westminster, including in Government covering the use of science in policy making, and with the House of Lords Science and Technology Select Committee.

Before joining the University of Birmingham, Jonathan was Head of the Analysis Team for the Energy Research Partnership, a high-level public-private body, providing strategic direction to energy innovation in the UK.

Jonathan now has a position as Senior Research Fellow at the University of Birmingham, and Programme Director for Energy Storage for the Centre for Low Carbon Futures.

Research

Research themes

- Energy systems, energy technologies and innovation, energy innovation policy, technology and policy making

Research activity

- Analysis of energy policy making, regulation and market frameworks under future energy system scenarios and for new energy technologies.
- Focus on how technologies (in particular energy storage) can enable energy systems to operate with increasing flexibility.

Other activities

- Programme Director, Energy Storage, Centre for Low Carbon Futuree

Publications

- Reviewer and publisher of 'Liquid Air in the energy and transport systems: Opportunities for industry and innovation in the UK', Centre for Low Carbon Futures (2013)

Lead author for:

- 'Delivering flexibility options for the energy system: priorities for innovation', Energy Research Partnership (2012)
- 'The future role for energy storage in the UK', Energy Research Partnership (2011)
- 'Energy Innovation Milestones to 2050', Energy Research Partnership (2010)

- ‘Assessing UK Energy Technologies’, Energy Research Partnership (2009)
- ‘Strategic Decision Making for Technology Policy’, Council for Science and Technology (2007)
- ‘Pathways to the future: the early careers of researcher in the UK’, Council for Science and Technology (2007)
- ‘Nanoscience and Nanotechnologies: A Review of Government's Progress on its Policy Commitments’ Council for Science and Technology (2007)

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