Biographies

Renewables and the future of energy meteorology

Wednesday 17 October 2012

Prof Sir Brian Hoskins CBE FRS HonFRMetS, Imperial College London
Email: b.hoskins@imperial.ac.uk

Sir Brian Hoskins became the first Director of the Grantham Institute for Climate Change at Imperial College London in January 2008, and now shares his time between Imperial and Reading University, where he has been Professor of Meteorology for many years. His research is in weather and climate, in particular the understanding of atmospheric motion from frontal to planetary scales.

He is a member of the science academies of the UK, USA and China and was knighted in 2007 for his services to the environment. He is also a member of the UK Committee on Climate Change.

Dr Clive Wilson, UK Met Office

Clive Wilson has worked at the Met Office for 30+ years as a numerical modeller in climate simulation and weather forecasting, following his PhD in condensed matter theoretical physics at the University of Manchester. He began his career with Raymond Hide’s group working on the interaction of the global atmospheric momentum with the earth’s rotation and wobble. He then worked on early global model simulations of climate change with John Mitchell. He currently manages the team responsible for the limited area versions of the operational numerical models used to forecast the weather over the UK and other regions. His research includes better verification methods for the more detailed forecasts from these models, diagnosing systematic aspects in need of further improvement, and extending finer-scale model applications such as the identification of suitable wind resource locations.

Dr Pierre Pinson, Technical University of Denmark
Email: pp@imm.dtu.dk
www.pierrepinson.com

Pierre Pinson holds a M.Sc. in Applied Mathematics, as well as a Ph.D. in Energy from Ecole des Mines de Paris, France. He is the Associate Professor in Stochastic Energy Systems at the Technical University of Denmark, having also been a visiting researcher at University of Oxford and a consultant at ECMWF. He is involved as principal scientist and workpackage leader in several Danish (eg. Radar@Sea) and European projects (eg. SafeWind) related to the optimal management and integration of renewable energy in power systems and electricity markets. He acts as editor for Wind Energy and for IEEE Transactions on Power Systems. He has a published numerous articles in international peer-reviewed journals and is a regular speaker at international conferences. With co-authors, he is working on 2 books focusing on wind power prediction, and on integration of renewable in electricity markets, to be published by Taylor & Francis and Springer, respectively.
Dan Guertin, EDF Trading
Email: Daniel.Guertin@edftrading.com
Undergraduate degree (BS) in Atmospheric Science from Purdue University (USA), May 1995
Graduate degree (MS) in Meteorology from the Pennsylvania State University (USA), August 1997
Chief Meteorologist at Sempra Commodities (Stamford, CT, USA) from 1997-2007
Chief Meteorologist at Lehman Brothers and Barclays Capital (New York, NY, USA) from 2007-2009
Currently a Senior Meteorologist with EDF Trading, London, UK

James Cox, Poyry Consulting
Email: james.cox@poyry.com
James Cox is a Principal Consultant and is Head of Market Analysis within Pöyry. He has responsibilities for gas and electricity market modelling and how both wind and solar intermittency impacts and disrupts energy markets. He has led a series of seminal studies on the impact of intermittent generation on electricity markets, covering how dispatch of generation has to change, how wholesale prices become more volatile, how the requirements for flexible generation increase, and what the most effective measures are to balance wind intermittency.

Prof Neil Strachan, University College London
Email: n.strachan@ucl.ac.uk
Prof. Neil Strachan is an interdisciplinary energy economist. He is a Professor of Energy Economics and Modelling at the University College London (UCL) Energy Institute where he also serves as Director of Teaching. He received his PhD in Engineering and Public Policy from Carnegie Mellon University in 2000. At the UCL Energy Institute, Neil's research interests revolve around energy-environment-economic modelling, the quantification of scenarios and transitions pathways, and interdisciplinary issues in energy policy. Over the last 5 years he has been principal or co-investigator on research projects worth over £3.5 million. He is a lead author of the Energy Systems chapter of the IPCC’s 5th Assessment Report. He is the author of over 30 peer reviewed journal papers and book chapters.

Neil's research interests revolve around energy-environment-economic modelling, the quantification of scenarios and transitions pathways, and interdisciplinary issues in energy policy.