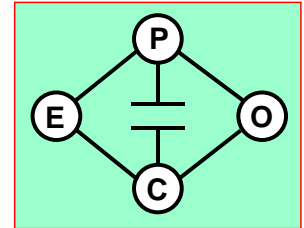


Electric Power Optimization Centre

<http://www.esc.auckland.ac.nz/epoc/>



Winter Workshop 2008:

Models for Electricity Markets with Uncertain and Intermittent Generation

Room 1.439, School of Engineering, The University of Auckland

Friday, September 5, 2008

The Electric Power Optimization Centre at the University of Auckland is a research group supported by the Public Good Science and Technology Fund. Our research focuses on the development of optimization and statistical models for decision support in wholesale electricity pool markets. The Seventh Annual Winter Workshop at the University of Auckland is a free one-day meeting for invited industry participants. The focus of the 2008 Workshop is on modelling electricity pool markets in which uncertainty is a factor, which is of increasing importance with the growing penetration of renewable generation. There will be time allocated after each talk for questions and discussion.

Timetable and presenters:

- 9:00:** Convene in 4th floor atrium of School of Engineering, 20 Symonds Street
- 9:00 – 9:30:** Measuring the price of security of supply
Andy Philpott (EPOC)
- 9:30 – 10:00:** A statistical model for electricity price forecasting
Martin Peat (EPOC)
- 10:00 – 10:30:** Coffee
- 10:30 – 11:00:** Quantifying the additional system costs of wind power in New Zealand
Grant Telfar (Meridian)
- 11:00 – 11:30:** Modelling large-scale wind penetration in New Zealand with Plexos
Magnus Hindsberger (Transpower)
- 11:30 – 12:00:** Discussion and questions
- 12:00 – 1:00:** Lunch
- 1:00 – 1:30:** Wind power and grid operation
Geoff Pritchard (EPOC)
- 1:30 – 2:00:** A Formulation for Inter-Island Trading of Frequency Keeping in SPD (provisional)
Grant Read (University of Canterbury)
- 2:00 – 2:30:** Discussion and questions
- 2:30 – 3:00:** Coffee
- 3:00 – 3:30:** Investment in infrastructure in electricity markets
Tony Downward (EPOC)
- 3:30 – 4:00:** Cost-allocation models in electricity systems
Athena Wu (EPOC)