EPOC Winter Workshop 2018

Friday September 7, 2018
School of Engineering
20 Symonds Street
University of Auckland

8:30 COFFEE AND WELCOME

9:00 Tuong Nguyen (Electricity Authority)
Modelling reserve scarcity under real-time pricing – an application of Constrained Violation Penalties in SPD for reserves

9:40 Nevill Gluyas (FNZC)
Homebrew hydrothermal modelling: observations from a scratch-built CDDP implementation

10:30 COFFEE

11:00 Andy Philpott and Ziming Guan (EPOC)
Electricity market benchmarking experiments

11:40 Grant Telfar (Meridian Energy)

12:30 LUNCH

1:30 Conrad MacCormack and Matthew Keir (Electricity Authority)
Security of supply – deriving a winter energy standard using the DOASA model

2:10 Tony Downward, Ben Fulton and Shasa Foster (EPOC)
Computing the impact of changes to New Zealand’s generation mix on hydro reservoir management

2:50 COFFEE

3:10 Alan Ansell (EPOC)
Forecasting electricity demand and prices with machine learning

3:50 Andy Philpott, Tony Downward and Michael Ferris (EPOC)
Modelling the cost of 100% renewable electricity

4:30 WORKSHOP FINISHES