



Day 1: Thurs 23rd November

OERC Symposium

9.00	Michael Jack & Ivan Diaz-Rainey	Welcome & Introduction
9.00	Richard Blaikie	Opening

Session 1 *Chair: Michael Jack*

Eric Pellicer, Network Transformation Manager at Powerco and Board Member at Drive Electric Inc.		Keynote: title tbc
9.10	Janet Stephenson	PV uptake scenarios and the renewable energy transition
10.05	P-Y. Potonnier	Investigation into the stalling behaviour of the Thinair 102 single-bladed wind turbine
10.20	Daniel Myall	Quantifying the financial and environmental benefits of electric vehicles in New Zealand: early results from Flip the Fleet
10.30	Q&A	

10.40 *Morning Tea*

Session 2 *Chair: Sandra Mandic*

10.55	Ben Wooliscroft	Designing Transportation Systems for Quality Life
11.10	Anna Garden	Predicting the rates and products of the electrochemical reduction of CO ₂ to hydrocarbons and alcohols using computational methods
11.25	Kiti Suomalainen	How good are people at reporting their energy use?
11.40	Q&A	
11.50	Poster Presentations	

12.05 *Lunch time & Display*

Ag@otago display in car park

Ag@Otago colloquium

Session 3 *Chair: Hugh Campbell*

1.05	Emeritus Professor Frank Griffin, University of Otago	Keynote: Future Food Security: "The Answer Lies in the Soil"
1.35	William Mook, CEO of Zeecol	Keynote: Can we live without oil and gas?
2.05	Oseweuba Okoro	Anaerobic co-digestion of defatted hydrolyzed meat processing dissolved air flotation sludge and meat processing stockyard waste
	Chris Hearn	The Hidden Value in Primary Industry Wastes
2.35	Alan Hayman	Grounds for sustainability: Energy from spent coffee grounds

2.50 *Afternoon tea*

Session 4 *Chair: Frank Griffin*

3.05	Professor Hugh Campbell University of Otago	Keynote: NZ Agriculture and the Environment: Diverging Pathways to a Sustainable Future.
3.35	Oluwuyi Babaranti	Isotopic signatures in the tissues of <i>Mytilus galloprovincialis</i> and <i>Ulva latuca</i> as bio-indicators for assessing the impact of discharged sewage effluent on the nearshore coastal marine ecosystem along Otago Peninsula, New Zealand
2.20	Rosalind Whiting	Financial Management of Drought under Different Production Intensity Systems: Insights from New Zealand Dairy Farmers
4.05	Madeleine Mark	Green fuel generation using waste heat exhausted from milk powder spray dryers
4.20	Assoc Professor Martin Hohmann-Marriott, Norwegian University of Science & Technology	Keynote: The Bioeconomy - an Utopian Necessity
4.50	Warren Fitzgerald	Energy in New Zealand's Food System
5.05	Jefferson Dew	Flexible Energy Consumption on NZ Farms
5.20	Close	





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Day 2: Friday 24th November

Session 5 Chair: Michael Jack

9.00	Michael Jack	Welcome
9.05	Dr Suzi Kerr, Senior Fellow, Motu	Keynote: Clear price signals and cooperation through 'climate teams' on the path toward low emissions
9.45	Ivan Diaz-Rainey	Electricity futures and stock market response to electricity sector material disclosures
10.00	Daniela Aguilar Abaunza	The legal challenges of the emerging active role of electricity consumers
10.15	Greg Sise	The 2017 Dry Period
10.30	Scott Willis	Our Blueskin Turbine and the National Policy Statement on Renewable Electricity Generation.
10.40	Q&A	
10.40	Morning Tea	

Session 6 Chair: Julian Eaton-Rye

10.55	Professor Himadri B. Pakrasi, Director, International Center for Energy, Environment and Sustainability (InCEES) Washington University	Keynote : InCEES: An International Collaboratory for Energy, Environment and Sustainability at Washington University
11.35	Simon Arnold, Chief Executive, National Energy Research Institute	Keynote: Implementing an Energy Research Strategy for NZ
12.05	Jane Wilcox & Michael Jack	OERC Energy Living Lab
12.30	Lunch time	

Session 7 Chair: Ivan Diaz-Rainey

1.30	Charlie Ruffman	Renewable hydrogen fuel production using earth-abundant molybdenum disulfide catalysts
1.45	Ross Hogue	Producing hydrogen from water and sunlight using molecular cobalt catalysts
2.00	Imran Khan	Household electrical peak demand characterization: towards more effective demand side management
2.15	S.Cem Akcaoglu	Thermochemical materials for thermochemical heat storage systems
2.30	Xinfeng (Edwin) Ruan	Risk-Neutral Moments and Cumulants in the Crude Oil Market
2.45	Ivan Diaz-Rainey/Michael Jack/Frank Griffin	Student prize giving x3
2.55	Close	

Poster Presentations

Tim Bishop	Household Water Cycle - Psychrometrics and Electronics in a Dunedin Suburb
Oseweuba Okoro	Techno-economic assessments of scaled-up biodiesel production using meat processing dissolved air flotation sludge as feedstock.
Geoffrey Weal	Investigating Copper Nanoparticles as Catalysts for CO2 Reduction Reactions
Carsten Dortnas	The economic benefits of sharing self-generated electricity in a local community
Dougal McQueen	Quantifying the benefits from the spatial diversification of wind power in New Zealand
Sandeep Biswas	PsbX is required for recovery from high-light-induced damage to Photosystem II in the cyanobacterium Synechocystis sp. PCC 6803
Sam Lowrey	Modified Surface Wetting using Optical Lithographic Techniques

