



# IREE 2019 Draft Program

This is a draft program only and is subject to change

## Monday 15 April 2019 | What's the problem?

8:00am	<b>Registration Opens</b>			
9:00am - 9:15am	<b>Welcome Ceremony</b> Dr Rowan Bedggood, GEER Australia			
<b>KEYNOTE PRESENTATION</b>				
9:15am - 10:00am	<b>PRESENTATION COMING SOON!</b> Dr Janet Stephenson, University of Otago, New Zealand <i>Chair: Rebekah Russell-Bennett, Queensland University of Technology</i>			
<b>KEYNOTE PRESENTATION</b>				
10:00am - 10:30am	<b>PRESENTATION COMING SOON!</b> Professor Gordon Waitt, University of Wollongong, Australia <i>Chair: Professor Ross Gordon, Queensland University of Technology</i>			
10:30am - 11:00am	<b>Morning Tea</b>			
<b>Concurrent Session 1</b>				
11:00am - 12:30pm	<b>SESSION 1.1</b>	<b>SESSION 1.2</b>	<b>SESSION 1.3</b>	<b>SESSION 1.4</b>
	<b>Advancing Energy Policy, Research and Practice</b>	<b>Energy Efficiency and Buildings, Materials and Appliances</b>	<b>Energy, Health and Wellbeing</b>	<b>Energy Justice and Affordability</b>
11:00am - 11:15am	<b>Hug, Nudge, Shove or Smack? Using Behavioural Interventions to Shift Energy Demand</b> Kate Letheren, Queensland University of Technology	<b>The Residential Efficiency Scorecard and Sustainable House Day</b> Sam Mikus, Department of Environment, Land, Water & Planning, VIC	<b>Ignite*Energy: Harnessing Diverse Knowledges to Improve Energy Efficiency and pro-Environmental Behaviours</b> Tracey Benson, Department of the Environment & Energy, ACT	<b>Getting households on board with demand management</b> Angela Heck, CitySmart
11:15am - 11:30am	<b>CSIRO Energise: A New Method For Integrative Energy Consumer Research</b> Elisha Frederiks, CSIRO	<b>The Case of Wood in a Circular Economy</b> Lars Lindbergh, Umea University, Sweden	<b>Integrating Energy Efficiency and Hardship Improvements into the Care at Home System – Stakeholder Perspectives</b> Nicola Willand, RMIT	<b>Small-Scale Renewables Uptake for Low-Income Households</b> Oshan Jayawardena, University of Tasmania
11:30am - 11:45am	<b>The Behavioural Economics of Household Energy Decisions: Towards a Predictably Irrational Choice Model</b> Kevin Chadwick, Australian National University	<b>Grid-Connected Net Zero Energy Houses vs Off-Grid Housing in Australia under Current and Future Global Warming Climates</b> Zhengen Ren, CSIRO	<b>The Hidden Social Impact of Energy</b> Lobada Idris, Landcom	<b>Low-income Rental Households and PV: The Reluctant Prosumer</b> Ellis Judson, Swinburne University of Technology

11:45am - 12:00pm	<b>Dynamic Estimation of Air-conditioning Loads and PV Generation from Aggregate Electricity Data</b> Nariman Mahdavi, CSIRO	<b>Thermal Sensation Preferences for a Tropical Savannah Population and the Implications on Energy Consumption</b> Jeremy Trombley, Charles Darwin University	<b>Houses and Homes: Exploring Energy Efficiency Action Effectiveness Across Types of Households</b> Aron Perenyi, Swinburne University of Technology	<b>Does the energy efficiency of a new dwelling vary with the socio-economic status of the area in which it is built?</b> Melissa James, CSIRO
12:00pm - 12:15pm	<b>Using survey data to explore drivers and indicators of residential electricity use</b> Lachlan O'Neil, CSIRO	<b>Residential Gas Use in Australia; a Pathway to Lower Greenhouse Gas Emissions?</b> Mark Goldsworthy, CSIRO	<b>Counting Snug Houses: A Quantitative Study Assessing the Long Term Impact of Home Insulation on Residents Health</b> Caroline Fyfe, Massey University, New Zealand	<b>THIS COULD BE YOU!</b> Click here to submit your abstract
12:15pm - 12:30pm	<b>Understanding the energy consumer</b> Desley Vine, Queensland University of Technology	<b>THIS COULD BE YOU!</b> Click here to submit your abstract	<b>Using Household Personas for Co-Designing Messages and Communications Strategies for Electricity Demand Management</b> Charmaine Glavas, Queensland University of Technology	<b>THIS COULD BE YOU!</b> Click here to submit your abstract
12:30pm - 1:30pm	Lunch			
	Concurrent Session 2			
1:30pm - 2:30pm	SESSION 2.1	SESSION 2.2	SESSION 2.3	SESSION 2.4
	<b>Advancing Energy Policy, Research and Practice</b>	<b>Energy Efficiency and Buildings, Materials and Appliances</b>	<b>Energy, Health and Wellbeing</b>	<b>Energy Justice and Affordability</b>
1:30pm - 1:45pm	<b>Renewable energy generation at home – motivations to trade energy</b> Phillipa Watson, University of Tasmania	<b>6 Stars and Beyond – How the Residential Building Industry is Achieving the Energy Efficiency Requirements</b> Michael Ambrose, CSIRO	<b>Healthy Homes: A Randomised Control Trial of 1,000 Vulnerable Households</b> Scott Kelly, University of Technology Sydney	<b>THIS COULD BE YOU!</b> Click here to submit your abstract
1:45pm - 2:00pm	<b>Embracing machine learning: Understanding customer engagement segments with energy technology</b> Ryan McAndrew, Queensland University of Technology	<b>A Case Study: A Municipal Public Housing Company in Sweden Upgrading Flats in the Light of the Climate Initiative, Energy Savings and the Well-being of Tenants</b> Lars Lindbergh, Umea University, Sweden	<b>“De-weathering” through Weatherization: A Conceptual Application of the Weathering Hypothesis to the Energy Insecurity and Stress Nexus</b> Diana Hernández, Columbia University, USA	<b>THIS COULD BE YOU!</b> Click here to submit your abstract
2:00pm - 2:15pm	<b>THIS COULD BE YOU!</b> Click here to submit your abstract	<b>Analysis of impact of air leakage on housing energy efficiency</b> Zhengen Ren, CSIRO	<b>Digital Assistants, Mature Consumers and Behaviour Change: Does Appearance and Gender Matter?</b> Helen Bocking, Queensland University of Technology	<b>THIS COULD BE YOU!</b> Click here to submit your abstract
2:15pm - 2:30pm	<b>THIS COULD BE YOU!</b> Click here to submit your abstract	<b>Where to from here for Residential Energy Efficiency Standards in Australia? – A Practitioner’s Perspective</b> Steve Watson, Red Sustainability Consultants	<b>Power Disconnections in Remote Indigenous Communities: Impacts on Health and Wellbeing</b> Petra Buergelt, Charles Darwin University	<b>THIS COULD BE YOU!</b> Click here to submit your abstract

2:30pm - 3:30pm	How To' Professional Development Workshops			
	Professional Development Workshop 1	Professional Development Workshop 2	Professional Development Workshop 3	
2:30pm - 3:30pm	<p align="center"><b>PRESENTATION COMING SOON!</b> Martin Jones, IBM Global Business Services</p>	<p align="center"><b>PRESENTATION COMING SOON!</b> <b>Speaker coming soon!</b></p>	<p align="center"><b>PRESENTATION COMING SOON!</b> Professor Scott Kelly, University of Technology Sydney</p>	
3:30pm - 4:00pm	Afternoon Tea			
	<b>CHALLENGE OF THE DAY</b>			
4:00pm - 5:00pm	<p align="center"><b>Expert Panel: Multiple perspectives on the changing energy landscape</b> A panel of experts from policy, practice and research will pitch their top three priorities to tackle the challenge. Delegates will then vote in an online poll for their preferred solution</p>			
5:00pm	End of Day 1			



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## Tuesday 16 April 2019 | What's the problem?

8:00am	<b>Registration Opens</b>			
	<b>KEYNOTE PRESENTATION</b>			
9:00am - 9:45am	<p><b>PRESENTATION COMING SOON!</b>          Dr Wen Wu, data61, Australia  <i>Chair: Professor Ross Gordon, Queensland University of Technology</i></p>			
9:45am - 10:30am	<b>Concurrent Session 3</b>			
	<b>SESSION 3.1</b>	<b>SESSION 3.2</b>	<b>SESSION 3.3</b>	<b>SESSION 3.4</b>
	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>
10:30am - 11:00am	<b>Morning Tea</b>			
11:00am - 12:30pm	<b>Concurrent Session 4</b>			
	<b>SESSION 4.1</b>	<b>SESSION 4.2</b>	<b>SESSION 4.3</b>	<b>SESSION 4.4</b>
	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>
12:30pm - 1:30pm	<b>Lunch</b>			
1:30pm - 2:30pm	<b>Concurrent Session 5</b>			
	<b>SESSION 5.1</b>	<b>SESSION 5.2</b>	<b>SESSION 5.3</b>	<b>SESSION 5.4</b>
	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>	<p><b>THIS COULD BE YOU!</b>            Click here to submit your abstract</p>

Interactive Roundtable Sessions				
	Interactive Roundtable 1	Interactive Roundtable 2	Interactive Roundtable 3	
2:30pm - 3:30pm	<b>Emerging technologies and energy futures: Power to the consumer?</b> Dr Kate Letheren, Queensland University of Technology	<b>PRESENTATION COMING SOON!</b> Rob Murray-Leach, Energy Efficiency Council	<b>Are we there yet? Is the 6 star thermal rating good enough and should we now focus on other aspects to improve dwelling energy efficiency?</b> Michael Ambrose, CSIRO	
3:30pm - 4:00pm	Afternoon Tea			
	<b>CHALLENGE OF THE DAY</b>			
4:00pm - 5:00pm	<b>Debate: Fusing technical and social sciences</b> A panel of experts from policy, practice and research will pitch their top three priorities to tackle the challenge. Delegates will then vote in an online poll for their preferred solution			
5:00pm - 5:30pm	Closing Ceremony			
6:30pm onwards	Conference Dinner			