Energy Change Institute (ECI) Open Day 2018

Tuesday 19 June, 9:00am–1:30pm, followed by Women in Energy – Inaugural Meeting and Renewable Energy tours
Room STB S1, Science Teaching Building (Building 136), 136 Linnaeus Way, ANU

9:00–10:00am  State of the Institute – Professor Ken Baldwin, Director, ECI
- Welcome to participants and stakeholders
- Highlights and new initiatives
- Public Policy
- Education programs: Dr James Prest
- Industry Engagement: Dr Igor Skryabin
- Outreach: Sarah Wilson
- Grand Challenge: Tory Bridges, Jinnie Widnyana, Dr Mahesh Venkataraman and Professor Ken Baldwin

10:00–10.30am  Keynote Presentation – Energy Storage in the People’s Grid, Dr Lachlan Blackhall, Entrepreneurial Fellow and Head, Battery Storage and Grid Integration Program, ANU

10:45–11:15am  **Morning tea**

11:15am–11:40pm  **External engagement**

*Australian-German Energy Transition Hub*,
Dr Paul Burke, Crawford School of Public Policy

*The Asian Renewable Energy Hub: 9GW of wind, solar and storage to export to Jakarta & Singapore and to help power the Pilbara*, Andrew Dickson, CWP Renewables

11:40–12:00pm  **Research Presentations**

*Hydrogen Technologies*, Professor Kylie Catchpole, Research School of Engineering

*Transformations in US energy markets*,
Dr Christian Downie, School of Regulation and Global Governance (REGNET)

12:00–12:50pm  **New ECI Members’ Research**

*Geologic CO$_2$ Storage: Insights from Pore-Scale Experiments*,
Dr Anna Herring, Research School of Physics and Engineering

*Probing the efficiency limitations of water splitting with tandem solar cells*,
Dr Fiona Beck, Research School of Engineering

*Clean liquid fuels from biomass: Can concentrating solar thermal lead the way?*,
Dr Mahesh Venkataraman, Research School of Engineering

*Surface and bandgap engineering of semiconductor materials for solar fuel generation*,
Dr Siva Karuturi, Research School of Engineering

*Gas hydrate technology for thermal storage cooling applications*,
Dr Xiaolin (Shannon) Wang, Research School of Engineering

12:50–1:00pm  **ECI Research Clusters gathering**

1:00–1:30pm  **Lunch**

1:30–2:30pm  **Women in Energy – Inaugural Meeting**

1:30–3:30pm  **ANU Energy Lab Tours**

- Solar PV
- Hydrogen generation
- Big Dish
- Solar simulator