

Innovation X-Change on Energy Productivity 2018

Speaker Bios



Session 1 – Energy Productivity: The scale of opportunity

Chair: Christopher **Lee**, CEO, Climate-KIC Australia

Chris is the CEO of Climate-KIC Australia. His career has spanned central banking, academic research, and founding a publishing business. Most recently he was Manager of Impacts and Adaptation at NSW Government.

<https://climate-kic.org.au>

Speakers

Jonathan **Jutsen**, Chair, A2EP

Jon is a leader in energy and carbon management. He has provided advice to executive teams and governments in Australia, USA, UK and South East Asia, as well as communicating widely on these topics for 35 years. He has a great passion to protect the environment and to improve the sustainability and competitiveness of business. Jon founded Energetics, a leading consulting company in energy and carbon in 1984.

<https://a2ep.org.au>

Jim **Davis**, CIO, CESMII

Jim co-founded the Smart Manufacturing Leadership Coalition (SMLC) that was recently selected to lead DOE's Clean Energy Smart Manufacturing Innovation Institute (CESMII), the 9th Manufacturing USA Institute and the 3rd DOE institute to be awarded. Jim has led the Institute's business and technology approach and roadmap.

<https://www.cesmii.org>

Jeff **Connolly**, Executive Chairman and CEO, Siemens Pacific

Jeff Connolly is Chairman and Chief Executive Officer of the Siemens group in the Australia Pacific region, the first Australian to hold this position since 1984. He reports directly to the Siemens AG Managing Board.

<https://www.siemens.com/au/en/home.html>

Ivor **Frischknecht**, CEO, ARENA

Ivor Frischknecht's key activities include responsibility for ARENA's clean tech investment activities in areas such as energy, water and environmental technologies. Ivor was previously Director, New Ventures, of Idealab, a company involved in developing and investing in technology start-up companies, including renewable energy companies. <https://arena.gov.au>



Doing more. Using less.

Session 2 – Industry 4.0 for Energy

Chair: Mark **Goodsell**, National Director - Manufacturing, AiGroup

With almost 30 years with the Australian Industry Group (Ai Group), Mark has a deep understanding of the business landscape given his lengthy experience in helping businesses overcome challenges and maximise growth opportunities. Mark is the Chair of the NSW Industry Capability Network (ICN), a member of Safe Work Australia and the NSW Skills Board.

<https://www.aigroup.com.au>

Speakers

Jim Davis, CIO, CESMII

Jim co-founded the Smart Manufacturing Leadership Coalition (SMLC) that was recently selected to lead DOE's Clean Energy Smart Manufacturing Innovation Institute (CESMII), the 9th Manufacturing USA Institute and the 3rd DOE institute to be awarded. Jim has led the Institute's business and technology approach and roadmap.

<https://www.cesmii.org>

Louise Vickery, Senior Adviser, CRC RACE for 2030 Bid

Louise has 15 years leading the development and implementation of three Australian government industrial energy efficiency policy and programmes (Greenhouse Challenge, Energy Efficiency Best Practise and Energy Efficiency Opportunities). She was involved in the PM Taskforce on Energy Efficiency in 2010, a number of recommendations were adopted, namely to extend energy savings assessments to new greenfield developments and the generation and networks sector. Louise was also a General Manager at Arena and led the early work on renewables in mining and renewables for industrial heat.

<https://crca.asn.au/crc-r-a-c-e-for-2030-reliable-affordable-clean-energy/>

Geof Heydon, Alliance Principal Consultant, Internet of Things (IOT)

Geof co-founded the IOT Alliance, Australia (IOTAA) in 2015 and today is their principal consultant and Chair of the Platforms and Interoperability Workstream. He also Chairs the Australian Computer Society's Data Sharing Technical Committee and sits on the ACS Technical Board, and Chairs the Square Kilometre Array Radio Telescope Industry Consortium for the Federal Department of Industry. He has extensive practical executive management, innovation and consulting experience in telecommunications, science and the emerging digital economy, smart cities and Internet of Things.

<http://www.iot.org.au>

Renald Gallis, VP Ecosystem & Marketing, Thinxtra

Renald has 4 years' experience in IoT including LPWAN, IIoT, Smart Cities, Industry 4.0, e-health and Agtech. He has had many successes in founding, restructuring and managing sales and marketing activities in technological and disruptive companies, and is now focusing on enabling the IoT revolution in AsiaPac, connecting the un-connected to improve businesses and people's lives.

<https://www.thinxtra.com>

Michael **Bellstedt**, Managing Director, MINUS 40

Michael is a leading specialist refrigeration consultant. He studied mechanical and thermal engineering in South Africa, and holds a Ph.D.Eng in Thermal Engineering from the University of Stellenbosch. Michael is passionately interested in sustainability.

<http://www.minus40.com.au/engineers/>



Session 3 – Integration: Clean energy, demand management, data and control

Chair: Amy Kean, NSW Renewable Energy Advocate, Department of Planning and Environment
Amy has worked for over 18 years in the clean energy industry across government, industry associations and business. She has a deep understanding of policy, finance and the challenges of deploying technology. She established the Renewable Energy and Energy Efficiency Partnership (REEEP).

<http://www.planning.nsw.gov.au>

Speakers

Chris Briggs, Research Principal, Institute for Sustainable Futures BEco Soc. Sci. (Hons), PhD (Syd)
Dr. Briggs is a Research Principal at ISF. Chris has a combination of climate, energy and labour market expertise developed over 20 years of experience in policy, research and advocacy in Federal, State and City Governments, and university sector. As Policy Manager for Lord Mayor Clover Moore, Dr Briggs oversaw development, communication and advocacy for the City of Sydney's decentralised energy masterplans. At the NSW Office for Environment and Heritage, his roles included State Coordinator for Renewable Energy Precincts and Senior Economist in the Climate Change Policy Branch. At ISF, Chris has worked on a range of projects since joining in October 2017 including an Energy Productivity Scoping Study (ARENA), pilots to integrate flexible load management, energy storage and on-site renewable energy (ARENA) and the development of a Business Renewables Centre to facilitate corporate PPAs.

<https://www.uts.edu.au/research-and-teaching/our-research/institute-sustainable-futures>

Yasmina Dkhissi, Net Zero Program Strategy Manager, Monash University

As Strategy Manager for Monash's Net Zero Initiative, Yasmina enjoys working on ways to unlock practical solutions to today's energy challenges. Yasmina previously studied next generation solar photovoltaics at Monash University and holds a PhD from the University of Melbourne on flexible thin film solar cells.

<https://www.monash.edu/memsi>

Brian Spak, Leader - Grids & Renewable Energy Integration, CSIRO

Brian leads CSIRO's work on integrating high amounts of renewable energy into the grid, including efforts focused on energy storage, demand response and efficient market design. He previously focused on new energy product development for Portland General Electric and earlier spent nearly a decade in Washington, DC's energy and environmental policy arena.

<https://www.csiro.au/en/Research/EF/Areas/Electricity-grids-and-systems/REIF>

Jeff Renaud, VP & Managing Director - Asia Pacific, EnerNOC

In this role Jeff manages EnerNOC's businesses in the region, which includes operations in Australia, New Zealand, Japan, Korea and Taiwan. Jeff has been with EnerNOC for over 8 years. In his previous role he led EnerNOC's global new market development, which gives him a broad perspective on how global electricity markets are leveraging Demand Response resources.

<https://www.enernoc.com>



Session 4 – Linking the chain: Transport, logistics, storage

Chair: Mark **Gjerek**, Principal, MOV3MENT

Mark is the founder of MOV3MENT – a strategic consultancy working to accelerate future transport in Australia. He combines experience from prior roles in the car industry (Toyota), truck industry (Volvo), public service (NSW), and strategic consulting, to develop pathways and programs for cleaner and more productive transport systems. Mark's main areas of focus include alternative fuels, low emission vehicles and technologies, and new energy and mobility business models.
www.mov3ment.com.au

Speakers

Mark Hammond, Chief Technical Officer, Truck Industry Council

Mark Hammond is an engineer with almost 30 years' experience in the heavy vehicle industry. He has been the Chief Technical Officer at the Truck Industry Council (TIC) since November 2013. Mark is a keen supporter of safety and environmental regulations for trucks in Australia, participating in numerous industry workgroups and consultation committees for new and revised Australia Design Rules.

<http://www.truck-industry-council.org/index.php>

Greg McGarvie, CEO, GetGreen

GetGreen was established in 2009 as an energy management planning company. Since then it has been delivering energy solutions for corporates and large business, with supporting factory partners in various Chinese provinces. Major projects include energy generation with the 50 MW Teebar Solar Farm in Queensland; and a plan to commence electric vehicle manufacturing in Australia under the Australian Clean Energy (ACE) EV Group. ACE is a collaboration of Australian, Chinese and European partnership interests planning to disrupt the vehicle market in Australia and abroad.

<http://www.getgreen.net.au>

Fergal Barry, Project Manager – Sustainability Development, Clinical Support Services, HealthShare NSW

Fergal is Senior Advisor to HealthShare NSW on sustainability and packaging accessibility.

HealthShare NSW serve 22 million meals each year to patients across to 220 hospitals in NSW.

<http://www.healthshare.nsw.gov.au>

Blair Pritchard, Investment Director, Clean Energy Finance Corporation

Blair is currently an Investment Director at CEFC assessing new ventures in the renewable energy, energy efficiency and low emissions sectors. He is responsible for increasing the innovative and early stage investing activities of the CEFC. This includes pioneering new investment programs designed to promote clean energy innovation, investing directly in early stage companies, and advising such companies on growth strategies.

<https://www.cefc.com.au>



Session 5 – Process transformation: Heat in food and other industries

Chair: Cristien **Hickey**, Director - Sustainability Programs, NSW Office of Environment & Heritage
Cris is committed to developing high-performing teams to deliver innovative and well-designed solutions to natural resource management issues. She has 20 years of people and project management experience in the NSW public sector across infrastructure planning, water quality and resource productivity fields.
<http://www.environment.nsw.gov.au/sustainabilityadvantage/>

Speakers

Alan Pears, Senior Industry Fellow, RMIT University

Alan was previously an Adjunct Professor at RMIT and taught part-time in the environment program from 2002 until 2015. He has worked in the sustainable energy and environment fields since the late 1970s for community groups, government and the private sector. Since 1991, Alan has been an environmental consultant, and has been involved in building energy and environmental rating and regulation, green building projects, educational software, green appliance development, industrial and business energy and environmental management, and policy analysis.

<https://www.rmit.edu.au>

Ricardo Hoffmann, Sales Engineer, Johnson Controls

Ricardo started in YORK, later Johnson Controls, in 2001 in Brazil. Since then, he has passed through many businesses inside of JCI organisation, such as Engineering Systems, Unitary Products, Marine & Offshore and Industrial Refrigeration. Natural Refrigerants are a big trend for Ricardo and he believes they can help reduce the CO2 footprint and, consequently, reduce the global warming issue. He is also interested in promoting the utilisation of Heat Pumps to the market, which can reduce the consumption of fossil fuels used in the boilers.

<http://www.johnsoncontrols.com>

Brad Semmler, Technical Director, Cold Logic

Brad Semmler is well known and respected throughout the Australian wine industry. Since completing his apprenticeship in 1991, Brad, has worked in a variety of roles within Cold Logic, commencing as a refrigeration mechanic and progressing to positions in design, engineering and sales. Brad became a Director in February 2008. For over 20 years Brad has developed and delivered a number of significant industrial refrigeration projects in the wine industry, including the design, installation and commissioning of refrigeration plants, ammonia brine cooling systems, brine reticulation systems and tank farm control systems.

It is Brad's unique combination mechanical, technical and engineering skills that enable him to develop and deliver workable, efficient and effective industrial refrigeration solutions.

<http://www.coldlogic.com.au>

Peter Haenke, Energy Productivity Manager, ARENA

With over 20 years of experience in energy and carbon management and corporate sustainability, Peter is excited by the business opportunities of the transition to a low carbon economy. His key areas of focus include strategy, business growth and development, client management and facilitation.

<https://arena.gov.au>

Blair **Pritchard**, Investment Director, CEFC

I am currently an Investment Director at CEFC assessing new ventures in the renewable energy, energy efficiency and low emissions sectors. Responsible for increasing the innovative and early stage investing activities of the CEFC. This includes pioneering new investment programs designed to promote clean energy innovation, investing directly in early stage companies, and advising such companies on growth strategies. My history includes over 15 years in developing business and funding strategies for new and emerging technologies including fund sourcing, business strategy, modelling, P&L analysis, product approval, and risk management.

<https://www.cefc.com.au>