

Professor Tim Roberts

Tim is the Director of the University of Newcastle's Tom Farrell Institute for the Environment (TFI).

Previously Tim was Dean of Research at JCU Singapore, and before that the inaugural Dean of the Singapore campus of the University of Newcastle, Australia.

Dr Stephen Bygrave

Stephen is CEO of Beyond Zero Emissions, a climate solutions think tank based in Melbourne.

He has worked on climate change for 20 years, across renewable energy, energy efficiency, transport, agriculture and forestry. Steve has worked on international climate change issues at the OECD between 2002-04 and most recently worked as a senior executive on the design on the government's Clean Energy Future package. His PhD, funded by Greenpeace in the mid-1990s, was on village scale renewable energy projects in the Pacific Islands.

Dr Daniel Rowe

Daniel is a CSIRO Project Leader in the Demand Side Energy Systems Group of the Division of Energy Technology, in Energy Transformed Flagship. He is an electrical engineer working in the fields of solar cooling and renewable energy grid integration.

He was the CSIRO Project Leader for the Solar Desiccant Cooling Project, which established this system which is the largest in the world. He is now leading CSIRO's Plug and Play Solar PV grid integration project and the residential solar cooling project *Solar Energy Management System for Utilities*

Andrew Bagnall

Andrew is a Mechanical Engineer and ESD Consultant within GHD's Buildings group.

He is passionate about Sustainable Development and the reduction of energy use within the built environment and particularly the design of innovative passive and semi-passive HVAC systems. Andrew is a NABERS Accredited Assessor, accredited Green Star Professional and is a regular speaker at local and international conferences presenting on a range of sustainable development and building analysis topics.

Daniel Daly

Dan is a PhD researcher at the University of Wollongong's Sustainable Buildings Research Centre (SBRC).

He was a member of the Design Team of the Illawarra Flame fibro retrofit house that won the world Solar Decathlon for sustainable buildings in China this year.

Dan's research is on the use and uncertainty of building simulation in the building retrofitting process in Australia, with a particular focus on low PCA grade commercial buildings.

Kevin Bryan

Kevin is the Communication and Engagement Lead of Hunter TAFE's Digital Learning Project.

He has over 30 years' experience in TAFE as a teacher of Building, Head of Building Department, Associate Faculty Director, Campus Director, Business Manager and Telework Broadband Champion. Kevin is a licensed Builder and accredited Housing Sustainability Assessor/Trainer and Expert Witness for Building related issues.

Trent Hawkins

Trent is a Mechanical Engineer, Director of the BZE Buildings Plan for the last 3 years, and a contributing author to the Banksia award-winning Zero Carbon Australia Stationary Energy Plan.

He has a background in renewable energy and computational modelling, and previously worked in wind energy undertaking wind farm feasibility studies and wind monitoring and analysis.

Trent's early career focus was in computational modelling for biomedical research, initially starting a PhD in this field. However Trent changed to sustainable energy to help tackle the urgent issue of climate change, as its severity became more apparent.

Panel

Speakers and Paul Scanlon

Paul Scanlon

Paul Scanlon is a Project Manager at NSW Public Works.

He has been with NSW Public Works for the last 24 years, mostly undertaking the roles of Project Manager, Contract Manager and Technical Adviser, and one of his most interesting projects has been the Solar Desiccant Cooling System. Other projects have involved most NSW government agencies including schools, TAFEs, hospitals and jails.