

Research Advisory Committee Members for ASI Round 2 EOI Funding Review

Dr Bruce Godfrey Chair (Wyld Group)

Dr Godfrey is an experienced CEO whose career has been built in business, investment, government and research fields. Through Wyld Group Pty Ltd he is applying this experience and knowledge to the advancement and commercialisation of technologies, investment readiness of products and companies, and innovation policy and programs. He was Managing Director of Ceramic Fuel Cells Limited and Managing Director of the Energy Research and Development Corporation, the Australian Government's investment vehicle in the 1990s for support of innovation and research into new energy use and supply technologies. He has a BE (Elect.) and a PhD in the field of photovoltaics, and managed the installation and commissioning of Australia's first solar cell production facility in Sydney.

Scientia Professor Martin Green (UNSW)

Professor Green FAA FTSE is Scientia Professor at the University of NSW and Executive Research Director of the ARC Photovoltaic Centre of Excellence. He is also a Director of CSG Solar, which commercialise the university's thin-film, polycrystalline-silicon-on-glass solar cell. His group has developed the world's highest-efficiency silicon solar cells. He is the author of six books on solar cells and numerous papers in the area of semiconductors, microelectronics, optoelectronics and solar cells. His awards include the 1999 Australia Prize, the 2002 Right Livelihood Award (also known as the Alternative Nobel Prize), the 2004 World Technology Award for Energy, the 2007 SolarWorld Einstein Award and the 2009 ENI Award for Renewable and Non-Conventional Energy. Note. Due to travel commitments Professor Green will advise on a limited number EOIs at the discretion the RAC Chair

Professor Andrew Blakers (Australian National University)

Professor Blakers is the Foundation Director of the Centre for Sustainable Energy Systems at the Australian National University and Director of the ARC Centre of Excellence for Solar Energy Systems. His research interests are photovoltaics, solar thermal/PV hybrid systems and energy policy. Particular interests are highly efficient solar cells, thin crystalline silicon solar cells (including Sliver solar cell technology) and solar concentrators. He is a Fellow of the Academy of Technological Sciences & Engineering, the Institute of Energy and the Institute of Physics, has won numerous awards and has published approximately 200 papers and 10 patents.

Professor Andrew Holmes (University of Melbourne)

Professor Holmes AM FRS FAA FTSE is a CSIRO Fellow, University of Melbourne Laureate Professor of Chemistry and Distinguished Research Fellow at Imperial College. His research interests are in applications of chemical synthesis to problems in materials science and biology. He led the Chemistry team that developed light emitting polymers for display applications and is a co-founder of Cambridge Display Technology. In Australia he has led a national consortium of researchers who are developing thin film organic and polymeric materials for excitonic and dye sensitised solar cells. He was an ARC Federation Fellow (2004-9) and was a co-recipient of the Descartes Prize of the EC (2003).

Professor Phil Jennings (Murdoch University)

Professor Jennings is Professor of Physics and Energy Studies at Murdoch University and has been involved in renewable energy research and education for more than 25 years. He has led Murdoch University's efforts in developing a range of educational programs in renewable energy that address the needs of schools, universities, TAFE and the general community. In addition to renewable energy education he has research interests in photovoltaics, especially amorphous silicon solar cells, and attempts to improve their efficiency and stability. Note. Due to travel commitments Professor Jennings will advise on a limited number EOIs at the discretion the RAC Chair

Dr Muriel Watt (IT Power Australia)

Dr Watt is a Project Manager with IT Power Australia. IT Power is a leading international energy consultancy which specialises in sustainable energy technologies and policy, and related economic, financial, commercial and environmental work. Prior to this she was a Senior Lecturer, School of Photovoltaics and Renewable Energy Engineering, University of NSW, a role she retains on a part-time basis. She has worked in government energy agencies, private companies and the university on energy related matters since 1980, with a strong focus on renewable energy research, development, technologies, deployment and policies. She is the Australian representative on the Executive Committee of the International Energy Agency Photovoltaics Power Systems Programme (PVPS) and Chair of the Australian PV Association. Past appointments include Chair of the Australian and New Zealand Solar Energy Society and Chair of the Policy Group for the Australian CRC for Renewable Energy (ACRE). Muriel is on the foundation committee of Women in Sustainability, Energy and The Environment (WSEE) .

Mr Wes Stein (CSIRO)

Mr Stein is the Manager of the CSIRO National Solar Energy Centre (NSEC) and leads their Solar Thermal Team. He has extensive experience in the energy and power industry with a strong background in thermodynamic cycles, and solar thermal power in particular. He has been involved with the development and implementation of new and emerging energy technologies and possesses a strong understanding of, and familiarity with, the Australian energy industry. He was a co-author of a study for the World Bank investigating solar thermal technology status and market strategies, is a Lead Author for the IPCC's Special Report on Renewable Energy and Climate Change Mitigation, is Australia's ExCo member on IEA SolarPACES, and is a member of the United Nations International Solar Energy Committee. Before joining CSIRO in 2000 Wes worked at Pacific Power for 19 years, implementing a number of renewable energy projects with industry and worked in power station operation, performance and design.

Em. Professor Graham Morrison (University of New South Wales)

Em. Professor Morrison has been involved in solar thermal energy research and education for more than 35 years. He was director of the solar thermal energy group at UNSW until 2005. He was a founder of Solar Heat & Power Pty Ltd (later Ausra now Areva) and developed the steam generation compact linear Fresnel concentrator installed at Liddell power station. He has contributed to the development of Australian and International standards for solar thermal products and has worked extensively through the UNDP on the development of solar thermal energy test centres in India and China.

Dr Paul Ebert (Worley Parsons)

Dr Ebert is a Principal in Renewable Energy for WorleyParsons. Over the last 15 years he has worked principally in the electrical utility sector where he has been associated with project development and deployment using a range of renewable energy technologies, although this work has included roles in technology development and renewable energy education. His involvement with solar energy has most recently involved a range of clients in both the photovoltaic and solar thermal areas across technology selection, broad scale sector development and large scale application. Note: Dr Paul Ebert will join the RAC during the EOI stage of Round 2.

International Experts to Advise the ASI RAC on possible Organic PV Expressions of Interest

The ASI anticipate a number of Expressions of Interest will be received in the area of Dye and Organic Solar cells. In the event that the RAC Chair requests independent expert review the following experts from the Fraunhofer Institute for Solar Energy Systems (ISE) are available to advise the RAC Chair.

Dr. Wuerfel is currently leading the research activities of the group Dye- and Organic Solar Cells at the Fraunhofer Institute for Solar Energy Systems (ISE) in Freiburg, Germany. He has been working in the field of dye- and organic solar cells for 10 years. He has research interests in the development of new cell architectures and transparent electrode systems for organic solar cells, the stability of OPV devices as well as modelling the device physics of dye- and organic solar cells.

Dr. Zimmermann is a senior researcher in the group Dye- and Organic Solar Cells at the Fraunhofer Institute for Solar Energy Systems (ISE) in Freiburg, Germany. He is involved in the research on organic solar cells for 7 years. The main focus of his research is the development of device and module concepts which allow high efficiency and lifetime utilizing cost efficient reel to reel production compatible processes for large area organic solar cells.

Research Advisory Committee Members not Present During the EOI phase of Round 2 Funding Review**Mr Peter Meurs**

Mr Meurs. Peter has worked on large scale concentrated thermal and PV solar power facilities plus integrated fossil fuel solar hybrid solutions. Peter joined Worley Parsons in 1988 and has functioned in project management and company development roles including establishment of the foundations of the process business, the establishment and growth of alliance and integrated services contracts in Hydrocarbons and Minerals & Metals and the development of the Australia and New Zealand business units. With a Bachelor Degree in Mechanical Engineering and a Fellow of the Institution of Engineers Australia, Peter is also a member of the Australian Institute of Company Directors