

## Australia-Germany Funding Initiatives 2010-2011

### Solar PV Participants 2010-11

Lead Australian Project Manager	Project	Lead German Project Manager
Professor Paul Mulvaney University of Melbourne	Scaleable interdigitation arrays for solar photovoltaics	Professor Michael Giersig Frei University
Professor Paul Burn University of Queensland	The use of triplet states to enhance the efficiency of next generation solar cells	Professor Uli Lemmer Light Technology Institute
Dr Wallace Wong University of Melbourne	Advanced materials for organic photovoltaics	Professor Dr Peter Bauerle University of Ulm
Professor Leone Spicca Monash University	Solar driven water splitting technologies	Dr Klaus Lips Helmholtz Centre Berlin
Dr Udo Bach Monash University	Dye sensitised solar cells and new hybrid thin film technologies	Professor Lukas Schmidt-Mende Ludwig-Maximilians-Universität München
Professor Paul Dastoor University of Newcastle	Mass-printing of organic solar cells using novel water-based function materials	Professor Arved Hubler Chemnitz University of Technology
Mr Ivan Perez-Wurfl University of New South Wales	Silicon quantum dots and silver nano particles evaluated by SNOM, AFM, PDS, and time of flight for application of third generation solar cells	Professor Heinrich Kurz Rheinisch-Westfälische Technische Hochschule
Professor Janusz Nowotny University of Western Sydney	Photosensitive oxide semiconductors for solar fuel	Professor Sebastian Fiechter Helmholtz-Zentrum Berlin für Materialien und Energie

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### Mobility Participants 2010-11

Lead Australian Project Manager	Project	Lead German Project Manager
Dr Michael Higgins University of Wollongong	Organic nanoelectrode probes for neural interfacing applications	Dr Christine Kranz University of Ulm
Associate Professor Alan Chaffee Monash University	Chemically modified diodic membranes for carbon dioxide separation	Professor Dr Jorg Thoming University of Bremen
Professor Nicolas Voelcker Flinders University	Nanostructured surface-bound gradients for high-throughput screening of stem cell: Surface interactions	Professor Michael Veith Liebniz Institute for New Materials
Dr David Jones University of Melbourne	Printed polymer electrodes for applications in flexible electronics	Dr Alexander Colsmann Karlsruhe Institute of Technology
Dr Klaus Meiners University of Tasmania	The importance of sea ice for winter-survival of Antarctic krill: A keystone species in Southern Ocean ecosystems	Dr Bettina Meyer Alfred Wegener Institute for Polar and Marine Science
Dr Jurg Schutz CSIRO	Boron nitrite nanocrystalline films and nanostructures for application in high performance devices	Dr Sven Meier Fraunhofer Institute
Dr Dragomir Neshev Australian National University	Signal processing in quadratic nonlinear waveguides	Professor Thomas Pertsch Friedrich Schiller University
Professor Manfred Lenzen University of Sydney	From centres of consumption to environmental hot spots: How international trade facilitates pressure on water and resources	Professor Joachim Von Braun Universität Bonn
Associate Professor Elanor Huntington University of New South Wales	Towards coherent control of quantum information and communication systems	Dr Michele Heurs Gottfried Wilhelm Leibniz Universität
Professor Colin Boyd Queensland University of Technology	Privacy in online communications	Professor Mark Manulis Technische Universität Darmstadt
Dr Phil Schneider James Cook University	Development of process models and advisory tools for the design of full-scale nutrient recovery systems	Herr Edgar Mohn Abwasserzweckverband Raum Offenburg
Dr Caroline Ummenhofer University of New South Wales	Characteristics and evolution of Indian Ocean dipole events in high-resolution ocean model simulants	Professor Claus Boening Liebniz Institut für Meereswissenschaften an der Universität
Dr Herbert Volk CSIRO	Alteration of organic composition of palynomorphs during diagenesis and their oil-generating potential	Professor Ralf Littke Aachen University
Dr Jorg Hacker Flinders University of South Australia	Aerosol production from Australian salt ecosystems	Dr Wolfgang Junkermann Karlsruhe Institute of Technology