

IRSES

2011-2012

Lead Researcher	Title of research project	Lead host researcher
Professor Tim Bedding University of Sydney	ASK – Sounding Stars with Kepler.	Professor Jorgen Christensen-Dalsgaard Aarhus University Denmark
Professor Edward Chung Queensland University of Technology	OPTIMUM – Optimised ITS-based Tools for Intelligent Urban Mobility	Dr Nour-eddin El Faouzi INRETS France
Professor Michael Fenech CSIRO	MICROGENNET – Building a Micronutrient Genomics Network for improving the knowledge base of micronutrient genomics.	Dr Susan Duthie University of Aberdeen Scotland
Professor Paul Haddad University of Tasmania	MASK – Materials and Advanced Sensor Knowledge exchange.	Professor Dermot Diamond Dublin City University Ireland
Professor Rick Krever Monash University	ITC – International Tax Coordination.	Professor Michael Lang Vienna University of Economics and Business Austria
Professor Douglas MacFarlane Monash University	MASK – Materials and Advanced Sensor Knowledge exchange.	Professor Dermot Diamond Dublin City University Ireland
Professor Philip Marriott Monash University	ELECTROACROSS – Electrokinetics Across disciplines and continents: an integrated approach to finding new strategies to sustainable development.	Professor Alexandra Ribeiro University of Lisbon Portugal
Dr Maxilian Ott NICTA	CoopLab – a federated testbed environment for experimentation on wireless cooperative networks.	Professor Leandros Tassioulas University of Thessaly Greece

IRSES (Round 2)

2010-2011

Researcher	Title of research project	Host researcher
Associate Professor Clayton Adam	MuscleUp – Towards a detailed interface for musculoskeletal modelling.	Professor Oliver Rohrlé University of Stuttgart Germany Dr Leo Cheng University of Auckland New Zealand Professor Richard Hall University of Leeds UK
Dr Helen Askeff-Williams Flinders University	Developing a multi-level, transnational framework for the promotion of mental health in schools.	Dr Carmel Cefai University of Malta Malta
Associate Professor Hugh Blackburn Monash University	ICOMASEF – Instability and Control of Massively Separated Flows.	Professor Vassilis Theofilis Universidad Politecnica de Madrid Spain
Professor Peter Bruza Queensland University of Technology	QONTEXT – Quantum Theory of Contextual Representation for Information Access and Retrieval.	Professor Dawai Song The Robert Gordon University UK Dr Sven Aerts Brussels Free University Belgium Associate Professor Massimo Melucci University of Padua Italy
Professor Frank Caruso University of Melbourne	Transfection ability and intracellular pathways of layer-by-layer nanostructured siRNA delivery systems.	Dr Francesca Cavalieri University of Rome Tor Vergata Italy Professor Andreas Fery Universitaet Bayreuth Germany Dr Nadia Zaffaroni Istituto Nazionale di Astropisica Italy
Dr Robert Grandin University of the Sunshine Coast	Individual and small group level interventions: social skills training, Nurture groups, alternative programs for disaffected students.	Professor Paul Cooper University of Leicester England
Associate Professor Catherine Lovelock University of Queensland	Coastal research network on environmental changes.	Professor Uta Berger Technische Universitaet Dresden Germany

Researcher	Title of research project	Host researcher
Dr Robert Osborne University of Sydney	HYOPCAVE – Hypogene caves morphology: Europe-Australia comparison.	Dr Bojan Otonicar Slovenian Academy of Sciences and Arts Slovenia Dr Andrzej Tyc University of Silesia Poland
Professor Ian Paulsen Macquarie University	Functional and structural analysis of bacterial membrane transporters.	Professor Peter Henderson University of Leeds UK Professor Anne-Brit Kolsto University of Oslo Norway
Associate Professor Edward Szczerbicki University of Newcastle	SASD – Smart multipurpose knowledge administration environment for intelligent decision support systems development.	Professor Cezary Orlowski Gdansk University of Technology Poland

IRSES (Round 1)

2010-2011

Researcher	Title of research project	Host researcher
Associate Professor Muthupandian Ashokkumar University of Melbourne	Ultrasonic synthesis of protein microcapsules for biomedical applications.	Dr Francesca Cavaliere University of Rome Tor Vergata Italy
Dr Damien Batstone University of Queensland	ANAMIX – a two year exchange program on Anaerobic Mixed cultures to study and improve biological generation of chemicals and energy carriers from organic residues generated by agro-industrial activities.	Dr Robbert Kleerebezem Technical University of Delft Netherlands Professor Jean Philippe Steyer Institut National de la Recherche France
Dr Shelley Brown University of Queensland	ANAMIX – a two year exchange program on Anaerobic Mixed cultures to study and improve biological generation of chemicals and energy carriers from organic residues generated by agro-industrial activities.	Dr Robbert Kleerebezem Technical University of Delft Netherlands Professor Jean Philippe Steyer Institut National de la Recherche France
Dr Miguel Cruz CSIRO	Application of fire behaviour and fuel management in blue gum (Eucalyptus globulus) plantations.	Dr Francisco Castro Rego Instituto Superior de Agronomia Portugal
Dr Eduardo Daly Monash University	The study of the impact of such changes on rainfall (the source of water) and concomitant replenishment of usable water supplies (e.g. ground- and stream-water) given their high priority to any future water resource planning.	Dr Paolo Perona ETH Zurich Switzerland
Dr Biju George University of Melbourne	Impacts of climate change on water security.	Dr Claps Pierluigi Politecnico di Torino Italy
Professor Alex McBratney University of Sydney	ECOTOOL – improving tools for sustainability assessment in forestry, agriculture and environment technologies: the issue of measuring and monitoring soil quality.	Professor Veronique Bellon-Maurel National Research Institute of Science and Technology for Environment and Agriculture France
Dr Luis Mejias Alvarez Queensland University of Technology	ICPUAS – International Cooperation Program, for Unmanned Aerial Systems Research and Development.	Professor Pascual Campoy Cervera Universidad Politecnica de Madrid Spain

Researcher	Title of research project	Host researcher
Mr Steven Mills Queensland University of Technology	Navigation, guidance and trajectory planning for UAVs.	Mr Nabil Aouf Cranfield University UK
Dr Murray Peel University of Melbourne	Basin and large scale floods and water balance modelling.	Professor Gunter Blöschl Technische Universität Wien Austria
Dr Danielle Ryan Charles Sturt University	Use of nanomaterials for environmental and agricultural applications.	Dr Antonio De Martino University of Naples Federico II Italy
Associate Professor Andrew Western University of Melbourne	Modelling and forecasting of hydroclimatic variables in space and time.	Professor Gunter Blöschl Technische Universität Wien Austria
Dr Harry Wu CSIRO	Virtual genes.	Dr Leopoldo Sanchez Institut National de la Recherche France

IRSES (Round 1)

2009-2010

Researcher	Title of research project	Host researcher
Associate Professor Muthupandian Ashokkumar University of Melbourne	Ultrasonic synthesis of protein microcapsules for biomedical applications.	Dr Gareth Price University of Bath UK
Dr Michael Battaglia CSIRO	TRANZFOR – Transferring Research between EU and Australia-New Zealand on Forestry and Climate Change	Dr Jean Michel Carnus Institut National de la Recherche France
Professor Alan Carey Australian National University	Novel geometric structures.	Professor Piotr Hajac IMPAN Poland
Dr Eduardo Daly Monash University	The study of the impact of such changes on rainfall (the source of water) and concomitant replenishment of usable water supplies (e.g. ground- and stream-water) given their high priority to any future water resource planning.	Professor Davide Poggi Politecnico di Torino Italy
Professor Michael Dopita Australian National University	ACCESS – A Complete Census of Star-formation and nuclear activity in the Shapley super-cluster.	Dr Paula Merluzzi Istituto Nazionale di Astrofisica Italy
Mr Pillar Eng Queensland University of Technology	Path planning and control for unmanned aircraft forced landing.	Professor Pascual Campoy Cervera Universidad Politecnica de Madrid Spain
Zuhaida Mohd Zaki University of Queensland	ANAMIX – a two year exchange program on Anaerobic Mixed cultures to study and improve biological generation of chemicals and energy carriers from organic residues generated by agro-industrial activities.	Professor Jean Philippe Steyer Institut National de la Recherche
Dr Steven Pratt University of Queensland	ANAMIX – a two year exchange program on Anaerobic Mixed cultures to study and improve biological generation of chemicals and energy carriers from organic residues generated by agro-industrial activities.	Professor Jean Philippe Steyer Institut National de la Recherche