

## 2004 DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS

Fellow Name	Administering Organisation	Project ID	Project Title
A/Prof I Belova	The University of Newcastle	DP0449503	A Predictive Theory of Kinetic Demixing in Engineering Ceramics
Dr I Cairns	The University of Sydney	DP0451689	Critical Issues in Space Physics
Prof D Craik	The University of Queensland	DP0449500	Discovery of novel circular proteins in bacteria, plants and animals: applications in drug design and crop protection
Prof B Dodd	The University of Queensland	DP0450901	Children's Changing Speech Error Patterns: Articulating, Listening, and Thinking
Prof S Gaukroger	The University of Sydney	DP0450483	The persona of the philosopher in early modern Europe
Prof P Haddad	University of Tasmania	DP0450145	Self-assembled nanolayers of functionalised latexes as selective and adaptable nano-stationary phases in separation science
Prof J Hill	University of Wollongong	DP0449712	Mathematical and mechanical modeling of nano particulate flow
Prof M Hogg	The University of Queensland	DP0449982	Responding to self-conceptual uncertainty: Orthodoxy, diversity, and social identity in groups and society
Dr M Humphrey	The Australian National University	DP0449816	Towards Oligoclusters: Chemistry, Properties and Applications
Prof M James	The Australian National University	DP0449567	Measurement Feedback Control of Nonlinear and Quantum Systems
Dr S Johnston	Swinburne University of Technology	DP0450173	New Pulsar Instrumentation for Gravitation Wave Detection and Understanding the Emission Mechanism.
Prof Dr M Lake	La Trobe University	DP0450350	White man's country and the critics: a trans-national history
Prof V Mackie	The University of Melbourne	DP0450753	A Cultural History of the Body in Modern Japan
Prof K Marriott	Monash University	DP0449546	Supporting adaptive diagrammatic communication
Prof R Melchers	The University of Newcastle	DP0451308	Mathematical modelling of tidal, splash and coastal atmospheric marine corrosion for structural reliability assessment
Dr D Nestic	The University of Melbourne	DP0451177	New research directions in the area of sampled-data systems
Dr M Olsson	University of Wollongong	DP0453116	Form, Function and Fitness: Multidisciplinary Evolutionary Biology Using Lizards as Models

Prof R Pashley	The Australian National University	DP0450427	The effect of de-gassing on the dispersion and stability of emulsions and colloidal solutions.
Dr L Poladian	The University of Sydney	DP0449434	A framework for optimisation and concurrent design in photonics
A/Prof R Powell	The University of Melbourne	DP0451770	Mineral equilibria modelling for Earth processes
Dr E Sadler	The University of Sydney	DP0451395	The life cycles of radio galaxies
Prof P Saunders	The University of New South Wales	DP0452562	An Integrated Framework for Developing Credible Indicators of Deprivation and Other Distributional Markers
Prof M Spackman	The University of New England	DP0452357	Nonlinear optical properties of molecular crystals: An innovative approach to their determination using high-resolution X-ray diffraction data
Dr P Sutton	The University of Adelaide	DP0452390	Cape Keerweer 1606-2006: an ethnographic history of the Wik region, Queensland