

2005 DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS

Fellow Name	Administering Organisation	Project ID	Project Title
Prof IM Ang	University of Western Sydney	DP0559667	Cultural Research for the 21st Century: Building Cultural Intelligence for a Complex World
Dr PD Brandon	The Australian National University	DP0557156	Measurement and explanation of family change in Australia in comparative perspective: a longitudinal approach
Prof V Flambaum	The University of New South Wales	DP0556345	Test of unification theories in atomic and nuclear phenomena
Prof JP Forgas	The University of New South Wales	DP0557612	Hearts and minds: Affect, thinking and behaviour
Prof RI Gilbert	The University of New South Wales	DP0558370	The implications of low-ductility reinforcement and strain localisation on the strength and ductility of reinforced concrete two-way slabs
Prof PG Hall	The Australian National University	DP0556070	Theory and Applications of Computer-Intensive Statistical Methods
Prof R Hassan	The Flinders University of South Australia	DP0558402	Suicide Terrorism: The Use of Life as a Weapon
Dr V Kamenetsky	University of Tasmania	DP0555984	Unmixing in Magmas: Melt and Fluid Inclusion Constraints on Identity, Timing, and Evolution of Immiscible Fluids, Salt and Sulphide Melts
Prof FW Kent	Monash University	DP0558625	Lorenzo de Medici and Renaissance Italy
Prof GI Lehrer	The University of Sydney	DP0559325	Geometric structures in representation theory
Prof Dr WR Loader	Murdoch University	DP0556550	Attitudes towards Sexuality in Judaism and Christianity in the Hellenistic Greco-Roman Era: The First Comprehensive Analysis, in two volumes.
A/Prof JN Marshall	The University of Queensland	DP0558668	Colour vision and photoreceptors in reef fish: a model system to discover the function of double cones
Dr D McNaughton	Monash University	DP0556421	Vibrational Spectroscopy and Imaging from Interstellar Dust to Life
Prof PW Miller	The University of Western Australia	DP0556008	Examining Overeducation and Undereducation in the Immigrant Labour Market: An International Case Study Approach
A/Prof BA Neilan	The University of New South Wales	DP0556484	Sodium homeostasis and the molecular basis for neurotoxin production by bacteria and algae
Prof IR Petersen	The University of New South Wales	DP0559877	Uncertain Systems Theory applied to Nonlinear Robust Control and Filtering
Prof L Radom	The University of Sydney	DP0556706	Free Radicals in Chemistry and Biology: A Computational Quantum Chemistry Investigation
Prof CL Raston	The University of Western Australia	DP0556376	Integrated self assembly processes and spinning disc reactor technology
Prof MA Sandiford	The University of Melbourne	DP0556133	Neotectonics of the Indo-Australian plate
A/Prof I Shparlinski	Macquarie University	DP0556431	Mathematics of Cryptography
Prof JG Sinclair	The University of Melbourne	DP0556419	Globalisation and the media in Australia: an integrated analysis of trends and impacts, with special reference to the advertising industry.
Prof AB Yu	The University of New South Wales	DP0557970	Granular dynamics: theories, modelling and simulation
Dr Y Zhao	The University of New South Wales	DP0559872	Improvement of Critical Current Density of High Temperature Superconductors by Reforming Microstructure at Nanoscale