

**DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS FOR FUNDING
COMMENCING IN 2006**

Fellow Name	Administering Organisation	Project ID	Approved Project Title
Prof GK Cowlshaw	University of Technology, Sydney	DP0663575	Social Relations Among Urban Aborigines in Sydney's Western Suburbs.
Prof MG Eastwood	The University of Adelaide	DP0664339	Symmetry in Differential Geometry
Dr RH Grove	The Australian National University	DP0667253	British Empire and the Natural World: the Environmental History of the British Empire and Commonwealth 1600-2000
Dr JR Reimers	The University of Sydney	DP0666378	Molecular Electronics Principles and Applications
Prof JA Filar	University of South Australia	DP0666632	Doubly Stochastic Matrices & The Hamiltonian Cycle Problem
Prof MR Thornton	La Trobe University	DP0664177	EEO in a Culture of Uncertainty
Dr A Henderson-Sellers	Macquarie University	DP0662884	Stable water isotopic simulation and analysis to improve Earth System models and deliver better predictions of Australian water resource vulnerability
Prof G Hjorth	The University of Melbourne	DP0666120	Equivalence Relations, Group Actions, and Descriptive Set Theory
Prof C Jones	Monash University	DP0665057	Modern Low Oxidation State/Low Coordination Main Group Chemistry: A New Domain for Australian Science
A/Prof TC Ralph	The University of Queensland	DP0663935	Optical Quantum Computation
Dr RW Remington	The University of Queensland	DP0666772	A Scalable Theory of Behavior Composition for Practical Engineering Models of Human Performance
Dr J Rossjohn	Monash University	DP0666539	A Structural Investigation Into Events Within The Immunological Synapse
Dr SV Vladimirov	The University of Sydney	DP0666002	Complex plasmas: self-organized dusty matter from nanotechnology to astrophysics
Prof GR Willgoose	The University of Newcastle	DP0667093	TERRESIM: A simulation system for understanding and managing the interactions between runoff, vegetation, soils and climate in a changing environment
Prof RA Bryant	The University of New South Wales	DP0665838	An Integrative Theory of Flashback Memories
Prof RH Crozier	James Cook University	DP0665890	Evolutionary immunology of social insects.
Prof Dr WE Featherstone	Curtin University of Technology	DP0663020	Ellipsoidal physical geodesy - improved global and local gravity field modelling
Prof CE Franklin	The University of Queensland	DP0666256	The inhibition of muscle disuse atrophy in burrowing frogs
Prof MJ Gatens	The University of Sydney	DP0665045	George Eliot: Literature as Experimental Philosophy
Prof GJ Gill	The University of Sydney	DP0663764	Rites of Power: Symbolism, Ritual and Politics in the Soviet Union and Russia
Prof RJ Hobbs	Murdoch University	DP0665471	Setting and achieving realistic restoration goals in human-dominated ecosystems
Prof J Keller	The University of Queensland	DP0666927	Novel Concept for Wastewater Treatment with Integrated Power Production based on Microbial Fuel Cells

Prof RC McPhedran	The University of Sydney	DP0665923	Optical Nano-plasmonics
Prof AJ Underwood	The University of Sydney	DP0665818	Connecting ecological processes controlling variation across spatial scales
Prof S White	The University of Sydney	DP0667002	The Making of Black Manhattan