

**DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS FOR FUNDING
COMMENCING IN 2009**

Fellow Name	Administering Organisation	Project ID	Approved Project Title
Prof. G. Willis	The University of Newcastle	DP0984342	Totally disconnected groups in algebra and geometry
Prof. D. Craik	The University of Queensland	DP0984390	Discovery and applications of circular proteins
Prof. M. Humphrey	The Australian National University	DP0984437	Advanced Organometallic Materials: Syntheses and Nonlinear Optical Properties
Prof. D. Potts	The University of Sydney	DP0984465	From village to empire in the Zagros highlands: Archaeological investigations at Tol-e Nurabad (Fars Province, Iran)
Prof. P. Lay	The University of Sydney	DP0984722	Microprobe and Nanoprobe Studies on Intracellular Disease Processes and Their Treatment
Prof. J. Baxter	The University of Queensland	DP0984787	For Better or For Worse? Understanding the Revolution in Married Life in Australia.
Dr. D Kroese	The University of Queensland	DP0985177	Improved Monte Carlo Methods for Estimation, Optimisation and Counting
Prof. S. During	The University of Queensland	DP0985232	Anglicanism and the modernisation of English literary culture
Prof. S. Gaukroger	The University of Sydney	DP0985720	Science and the Shaping of Modernity, 1690-1755
Prof. R. Melchers	The University of Newcastle	DP0985770	Engineering models for inland atmospheric corrosion of steel infrastructure considering microbiological and environmental influences
Prof. D. Rao	The University of Queensland	DP0985813	Construction of Consistent Panels of Real Gross Domestic Product and its Components at Current and Constant Prices
Prof. B. Degnan	The University of Queensland	DP0985995	The essence of being an animal: sponge allorecognition and the evolution of individuality
Prof. S. Macintyre	The University of Melbourne	DP0986211	Australia's post-Second World War reconstruction reassessed, 1941-1949
A/Prof. A Mathas	The University of Sydney	DP0986349	Pyramids and decomposition numbers for the symmetric and general linear groups
Prof. P. Read	The University of Sydney	DP0986364	A history of Aboriginal Sydney since 1788

Prof. R. Amal	The University of New South Wales	DP0986398	Designing integrated photocatalytic systems for simultaneous clean energy generation and water remediation
A/Prof. R. Zhang	The University of Sydney	DP0986551	Noncommutative geometry in representation theory and quantum physics
Prof. J. Gale	Curtin University of Technology	DP0986999	Learning to predict polymorphism through simulation of nucleation and nanoparticle evolution
Prof. P. Eggert	The University of New South Wales	DP0987545	Brought to book: Textual-editorial studies and the methodology of book history with a scholarly edition of Charles Harpur's complete poetry
Prof. R. Powell	The University of Melbourne	DP0987731	Building the thermodynamic framework for modelling the Earth
Prof. M. Goot	Macquarie University	DP0987839	Remaking Australian Politics: Electioneering from the 19th Century to the 21st
Prof. E. Bakker	Curtin University of Technology	DP0987851	Calibration Free Coulometric Sensors Based on Polymeric Thin Layer Films
Prof. M. Davies	The University of Sydney	DP0988311	Mechanisms and consequences of myeloperoxidase-mediated damage to glycosaminoglycans, proteins and proteoglycans
Prof. C. Dickman	The University of Sydney	DP0988535	The renaissance predator: complex predator-prey interactions and vertebrate diversity in arid Australia
Dr. L. Seuront	The Flinders University of South Australia	DP0988554	Beyond oceanography: behavior as a tool to uncover ocean complexity
Dr. I. McGregor	The University of Sydney	DP0988609	Models of adolescent drug use and its consequences
Prof. S. Turner	Macquarie University	DP0988658	Application of very short-lived Uranium-series isotopes to constraining Earth system processes
Prof. M. Olsson	University of Wollongong	DP0988812	Evolutionary biomedicine: genetic pathologies as selection agents in three model systems
Prof. R. Stamps	The University of Western Australia	DP0988962	Memory effects in magnetic metals: origin, utility and control in magnetoelectronics using layered nanopatterns