

**DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS FOR
FUNDING COMMENCING IN 2010**

Fellow Name	Administering Organisation	Project ID	Approved Project Title
Prof Dr L Dubrovinsky	Macquarie University	DP1096857	Mineral Physics of the Earth's Core
Prof JE Kenway	Monash University	DP1093778	Elite independent schools in globalising circumstances: a multi-sited global ethnography
Prof VC Mishra	Murdoch University	DP1093284	Rushdie Annotated: Definitive explanations of all obscure references in the Salman Rushdie corpus and extended critical commentaries on the author
Prof G Rodan	Murdoch University	DP1093214	Representation and Political Regimes in Southeast Asia
Prof DJ Adams	RMIT University	DP1093115	Defining mechanisms of action of novel alpha-conotoxins at nicotinic receptor-channels
Prof RA Maller	The Australian National University	DP1092502	Stochastic analysis and the development and application of financial risk processes
A/Prof A Hassell	The Australian National University	DP1095448	The Spectral Theory and Harmonic Analysis of Geometric Differential Operators
Prof GE Russell	The Australian National University	DP1095337	Sociability, print and public culture in romantic period Britain and Australia
Prof GJ Hugo	The University of Adelaide	DP1096662	Circular Migration in Asia, the Pacific and Australia: Empirical, Theoretical and Policy Dimensions
Prof J Gao	The University of Adelaide	DP1096374	New estimation and testing issues in nonlinear time series econometrics
Dr PJ Rayner	The University of Melbourne	DP1096309	Assimilation of trace atmospheric constituents for climate (ATACC): Linking chemical weather and climate
Prof FR Carbone	The University of Melbourne	DP1094957	Studies on peripheral T cell memory
Prof G Shanks	The University of Melbourne	DP1094005	The Impact of Strategy on Business Analytics Success
Prof RC Brooks	The University of New South Wales	DP1092465	Understanding how reproduction and sexual conflict drive sex-dependent longevity and ageing
Prof MA Bradford	The University of New South Wales	DP1096454	Unified analysis of steel and composite frame structures subjected to static, thermal, earthquake and blast loading
Prof JJ Gooding	The University of New South Wales	DP1094564	Making Silicon Even More Useful: Functionalising Silicon to Produce Stable Electronic Devices in Aqueous Environments
Prof MR Walter	The University of New South Wales	DP1093106	Oxygenating the Earth: using innovative techniques to resolve the timing of the origin of oxygen-producing photosynthesis in cyanobacteria

Prof V Flambaum	The University of New South Wales	DP1093019	Atomic clocks, space-time variation of fundamental constants, violation of fundamental symmetries and tests of unification theories
Dr MR Fellows	The University of Newcastle	DP1097129	Multivariate Algorithmics: Meeting the Challenge of Real World computational complexity
Prof SK Bhatia	The University of Queensland	DP1092437	Friction-based modelling of the dynamics of nanoconfined fluid mixtures
Prof GL Whitlock	The University of Queensland	DP1092569	Inhumanities: Asylum seeker letters and the precarious 'human' rights of contemporary life narrative
Prof K Alexandrov	The University of Queensland	DP1094080	Understanding mechanistic and systemic regulation of protein prenyltransferases
Prof AY Zomaya	The University of Sydney	DP1097110	Holistic Energy-Aware Scheduling for Distributed Computing Systems
Prof L Radom	The University of Sydney	DP1095821	Hydrogen Bonding, Hydrogen Transfer, Hydrogenation and Hydrogenolysis: A Computational Quantum Chemistry Investigation
Prof A Seress	The University of Western Australia	DP1096525	Efficient computation in finite groups with applications in algebra and graph theory
A/Prof SM Kuzenko	The University of Western Australia	DP1096372	Quantum and Geometric Aspects of Gauge Theories, Supergravity and String Theory
Prof CL Raston	The University of Western Australia	DP1092810	Integrated approach to functional carbon based materials