

## AINSE Postgraduate Research Awards

### Postgraduate Research Scholars Awarded 2010

Title	Given Name	Family Name	Uni	Project Title
Ms	Lisa	Cameron	SYD	Negative thermal expansion in metal-organic frameworks and cyanide bridged co-ordination frameworks
Mrs	Deborah	Wakeham	NCT	Surfactant adsorption and structure at ionic liquid interfaces
Mr	Vijay	Bhatia	UTS	Shape-memory alloy actuators for nanoscale opto-mechanical applications
Ms	Melinda	Waterman	WOL	UV-B screening compounds in the moss <i>ceratodon purpureus</i> : using radiocarbon dating and novel compounds to describe past Antarctic climates
Mr	Joonsup	Lee	SYD	STIM & PIXE mapping of diseased cerebral and other tissues
Ms	Mira	van der Ley	NSW	Surface waters, groundwater's, geology, and water-rock interactions in the Lawn Hill region of far NW Queensland
Mr	Gregory	Hall	MON	Supramolecular solids as hydrogen storage materials
Mr	Joshua	Dean	LAT	Catchment to regional-scale water and salinity impacts of changing land use in south-west Victoria
Mr	Daniel	Harris	SYD	Morphodynamics of coral reef environments and associated sedimentary bodies
Mr	Ben	Mullaney	SYD	Guest-dependence of spin crossover and negative thermal expansion in coordination frameworks
Mr	Flynn	Hill	WOL	Structure-dynamics-function relationships of replisomal macromolecular assemblies
Ms	Katherine	Brownlie	WOL	Palaeofire records and sedimentation in the context of past and current climate change in eastern Australia
Mr	William	Brant	SYD	Development of defect perovskites for use as cathode materials in lithium ion batteries
Mr	Junqiao	Lee	CUR	Thickness-dependant resistivity of ultra-thin polymeric films and their application as novel selective gas sensors
Ms	Xiaojing	Chen	QLD	Structure-function relations in polymer-protein conjugates for enhanced drug design
Mr	Henry	Spratt	QUT	A crystal structural investigation of lead containing jarosite solid solutions
Mr	Shaun	Haskey	ANU	From stellarators to tokamaks: The effects of 3D structure on Alfvén eigenmodes
Ms	Jacqueline	Knobloch	AKL	Probing the effects of oxidative stress on cellular membrane interactions
Ms	Eleanor	Hobley	NCT	Radiocarbon activities in soil particle-size fractions at different depths: insight on C dynamics in two NSW forest soils
Mr	David	Cortie	UWA	Low dimensional spintronic materials studied with neutron reflectometry
Mr	Andrew	Telford	SYD	Design of polymer thin films as biocompatible coatings for biomedical applications