

Summary of Successful Applications Discovery - Indigenous Researchers Development to Commence in 2004

University of Western Sydney

DI0454365 Mr A Parente A/Prof RG Craven

Title: Unlocking Indigenous Students' full potential: A critical analysis of Indigenous students' aspirations

2004 : \$23,769

2005 : \$22,675

Category: 3301 - EDUCATION STUDIES

Administering Institution: University of Western Sydney

Summary:

Indigenous students' aspirations are significantly lower in comparison to non-Indigenous peers. Given the vital importance of aspirations for predating life opportunities this is of dire concern. Utilising a synergistic blend of quantitative and qualitative research methodology this investigation aims to identify factors that positively and negatively impact on Indigenous students setting and achieving their aspirations, and test whether the pattern of relations between identified factors and aspirations differentially varies for Indigenous and non-Indigenous students. The project will also demonstrate the reliability of important measurement instruments for Indigenous populations and distinguish effective theoretical orientations and research methodology.

Queensland

Griffith University

DI0453648 Dr CJ Matthews Dr RD Braddock Dr FJ Cook Dr JH Knight

Title: Modelling of coupled heat and water flow through layered soils with an extension to heat flow through granulated soils

2004 : \$72,742

2005 : \$71,442

Category: 2301 - MATHEMATICS

Administering Institution: Griffith University

Summary:

The main aim of this project is to develop a mathematical model to simulate coupled heat and water flow through layered soils. The coupling of the two processes will allow us to examine the interaction between heat and water flow. The project also aims to extend the heat component of the flow model to granulated heterogeneous soils by developing a model that encapsulates heat effects at the microscopic and macroscopic level. The model will be applied to two problems 1) hydraulic barriers in cover liner designs for landfills and 2) assessing the ability of heat sensors to measure various soil properties under field conditions.

South Australia

The University of Adelaide

DI0454216 Ms SJ Kurtzer Prof Dr KL Schaffer A/Prof ME Allen

Title: Issues of Identity, Place and Belonging in Recent Works of Australian Autobiography

2004 : \$19,304

2005 : \$14,208

Category: 4203 - CULTURAL STUDIES

Administering Institution: The University of Adelaide

Summary:

This project addresses issues of identity, place and belonging in Australia specifically in recent autobiographical works by Australian writers. It examines and compares selected life narratives of Indigenous and non-Indigenous writers in order to explore how these texts differently configure identity as well as how these understandings have been interpreted by Indigenous and non-Indigenous critics and readers. The project will map the changes within public debates including the significant social, political and cultural consequences for all involved. A number of conference papers and published articles will contribute to the debates from an Indigenous perspective, extending critical perspectives within Australian cultural domains.

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