

Summary of Linkage Projects Applications for Funding to Commence in 2006

New South Wales

University of Technology, Sydney

LP0669111 Prof MB Cortie; A/Prof PC Mulvaney

Approved Project Title Development of new methods for the synthesis of plasmonically-active precious metal rods and shells

2006 : \$20,000

2007 : \$40,000

2008 : \$40,000

2009 : \$20,000

Primary RFCD 2918 INTERDISCIPLINARY ENGINEERING

APA(I) Award(s): 1

Partner Organisation(s)

AGR Matthey

Administering Institution University of Technology, Sydney

Project Summary

This project directly addresses the National Research Priority on building and transforming Australian industries. It will position an Australian manufacturer as the world-leading supplier of speciality precious metal nanoparticles. The project is designed to add significant value to the precious metals products emanating from Australia. In addition to benefiting an existing manufacturing operation, it is also expected to assist Australian researchers to capture a leadership role in commercialising new applications for these materials.

LP0669475 Prof SJ Donald; Prof JG Gammack; Dr TD Anderson; Dr M Sankey; Ms VR Winter

Approved Project Title Mobile Me: Young People, Sociality and the Mobile Phone

2006 : \$20,500

2007 : \$40,500

2008 : \$41,500

2009 : \$21,500

Primary RFCD 3701 SOCIOLOGY

APA(I) Award(s): 1

Partner Organisation(s)

New South Wales Commission for Children and Young People

Administering Institution University of Technology, Sydney

Project Summary

The project tests and reinforces child-centred, participatory research practices and outcomes. It underlines the NSW Commission for Children and Young People's commitment to investigating contemporary problems and opportunities for young people, and to formulating appropriate policy responses. The project is designed to elicit and interpret young people's and pre-teen's views on their communicative environment, and to understand the mechanisms through which social relationships, information conduits, and knowledge networks are built and sustained. The dissemination of the findings will bring young people, educationalists and industry players into a productive dialogue on the benefits and dangers of this pervasive technology.

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LP0669063 Prof D Eamus; Dr I Yunusa; Dr NP Merrick

Approved Project Title **Stabilization of hydrology at waste disposal sites through revegetation**

2006 : \$35,272

2007 : \$66,511

2008 : \$61,581

2009 : \$41,343

2010 : \$11,000

Primary RFCD 3006 FORESTRY SCIENCES

APA(I) Award(s): 2

Partner Organisation(s)

WSN Environmental Solutions

Administering Institution University of Technology, Sydney

Project Summary

Persistent drought in the past 20 years has increased the extraction of groundwater reserves by more than 2-fold to meet domestic water requirements throughout Australia. This water resource could be threatened from poorly managed waste disposal sites, where removal of pre-existing vegetation often exacerbates adverse hydrological processes of deep drainage. This study will provide information for the waste management industry that has achieved an annual turnover of more than \$200 million in recent years. It will present recommendations on how vegetation can be employed to meet regulatory requirements by the industry.