

# Summary of Linkage Projects Proposals for Funding to Commence in 2007

## South Australia

### University of South Australia

**LP0775448** A/Prof J Addai-Mensah; A/Prof WM Skinner; Dr SC Grocott

**Approved Project Title** **Improving Aqueous Processing and Control of Copper-Uranium Leach Tails Behaviour**

**2007 :** \$ 170,236

**2008 :** \$ 170,236

**2009 :** \$ 150,236

**Primary RFCD** 2501 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)

APA(I) Award(s): 2

**Collaborating/Partner Organisation(s)**

BHP Billiton Technology

**Administering Organisation** University of South Australia

**Project Summary**

The research will provide essential training and equip us with better understanding, appropriate scientific knowledge and diagnostic tools for establishing an effective U and Cu mineral leaching and subsequent treatment processes. Specifically, improved valuable mineral dissolution rate, greater pulp handleability, efficient particles washing and pulp dewatering technology for treating U-Cu metal containing pulps, significant increase in productivity and production with reductions in reagents and human risk, will emerge. These beneficial outcomes will increase profitability and competitiveness of BHP-Billiton and Australian mineral export.

**LP0775242** Prof SB Banerjee; Ms DJ Tedmanson; Dr MR Muirhead

**Approved Project Title** **Social and cultural factors in Indigenous enterprise management and governance**

**2007 :** \$ 35,000

**2008 :** \$ 35,000

**Primary RFCD** 3799 OTHER STUDIES IN HUMAN SOCIETY

APA(I) Award(s): 1

**Collaborating/Partner Organisation(s)**

UnitingCare Wesley Adelaide Inc

Pukatja Community Council Inc

Turkey Bore and Tjutjunpiri Community Inc

Anilalya Homelands Council

**Administering Organisation** University of South Australia

**Project Summary**

The project addresses Indigenous economic self-sufficiency by developing a model of Indigenous enterprise development and governance. By focusing on sustainability of Indigenous communities in remote areas, the project contributes to National Research Priority 3 (Promoting and maintaining good health: Strengthening Australia's social and economic fabric). The project addresses the National framework of principles for delivering services to Indigenous Australians developed by the Council of Australian Governments by seeking new ways to promote economic participation and development, supporting capacity at local and regional levels and building opportunities for indigenous families and individuals to become self-sufficient.

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**LP0774983** Prof J Cheek; Prof W Moyle; Ms A Ballantyne; Ms MJ Stanley; Ms ME Corlis; Mrs DK Oxlade

**Approved Project Title** **Alone in a crowd: Supporting older Australians managing loneliness**

**2007 :** \$ 50,000

**2008 :** \$ 50,000

**2009 :** \$ 50,000

**Primary RFCD** 3212 PUBLIC HEALTH AND HEALTH SERVICES

### **Collaborating/Partner Organisation(s)**

Helping Hand Aged Care Inc.

RSL Care

**Administering Organisation** University of South Australia

### **Project Summary**

The project provides crucial understandings and knowledge about loneliness as understood by older Australians and support/service providers, and solutions to assist them manage it. The findings will provide immediate practical outcomes that can be implemented by support/service providers, whilst also providing information that can assist policy makers and managers in the service provision area. The findings will enhance the health and well-being of older Australians with concomitant social and economic benefits. The study contributes to ensuring the optimum use and deployment of finite health and social resources.

**LP0775036** Prof AJ Grant; Dr PD Alexander; Dr DV Haley; Mr NA Letzepis

**Approved Project Title** **Cooperative Mesh Networks for Municipal Wireless Access**

**2007 :** \$ 88,000

**2008 :** \$ 78,000

**2009 :** \$ 68,000

**Primary RFCD** 2805 DATA FORMAT

APA(I) Award(s): 1

### **Collaborating/Partner Organisation(s)**

Cohda Wireless

**Administering Organisation** University of South Australia

### **Project Summary**

Robust mobile broadband data communication is vital for public safety and emergency services applications. This project will improve the performance and cost-effectiveness of mesh networks, enabling new network architectures. Immediate benefits to Australia will be: Contribution to a growing knowledge base and fundamental capabilities wireless broadband communications; Education of future leading academic and industrial innovators; Raising the international profile of Australian research in information technology. The contribution of Information and Communications Technology to the National economy is widely recognized. ICT contributes to wealth creation, employment and exports, underpinning many innovation processes.

**LP0775030** Prof A Reid; A/Prof NC Cranston; Prof JP Keating; Prof WR Mulford

**Approved Project Title** **Education Investment in Australian Schooling: Serving Public Purposes**

**2007 :** \$ 60,000

**2008 :** \$ 130,000

**2009 :** \$ 60,000

**Primary RFCD** 3301 EDUCATION STUDIES

### **Collaborating/Partner Organisation(s)**

Australian Government Primary Principals Association

Education Foundation

**Administering Organisation** University of South Australia

### **Project Summary**

The public purposes of schooling are central to the social and economic health of Australian society, since they provide a basis for realising the goals and aspirations of that society. This project will use the insights and current practices of many school communities to establish how the purposes of schooling are currently understood and enacted. This clarification will be used as the basis for (a) a reassessment and refinement of such policy statements as the National Goals of Schooling; (b) professional development activities and resources and sharing of good practice; and (c) the development of instruments for assessing the achievement of public purposes.

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**LP0775217** Prof S Stewart; Dr AM Tonkin; Prof D Wilkinson; Ms RA Clark; Ms K Eckert; Mr N Coffee; Mr P Astles; Ms MK Milligan

**Approved Project Title** **CARDIAC-ARIA : Measuring the accessibility to cardiovascular services in rural and remote Australia via applied geographical spatial technology (GIS)**

**2007 :** \$ 52,896

**2008 :** \$ 52,896

**2009 :** \$ 52,896

**Primary RFCD** 3210 CLINICAL SCIENCES

APA(I) Award(s): 2

**Collaborating/Partner Organisation(s)**

AlphaPHARM Pty Ltd

**Administering Organisation** University of South Australia

### **Project Summary**

Despite significant improvements in the cardiovascular health of Australians, Cardiovascular Disease (CVD) continues to impose a heavy burden on Australians in terms of cost, disability and death. Recent evidence suggests that mortality from CVD increases with increasing remoteness. Rates are reported to be between 20% and 50% higher in rural areas compared to major cities. This project, with its extensive use of Geographic Information Systems (GIS) technology, will rank 11,338 rural and remote population centres to identify geographical 'hotspots' where there is likely to be a mismatch between the demand for and actual provision of cardiovascular services.