

New South Wales

University of Technology, Sydney

LP0882238 Prof RJ Gibson; A/Prof CR Gibson; Prof J Walmsley

Approved Project Title **Cultural Asset Mapping for Planning and Development in Regional Australia**

2008 : \$ 103,000
2009 : \$ 110,000
2010 : \$ 115,000
2011 : \$ 138,000
2012 : \$ 120,000

Primary RFCD 3704 HUMAN GEOGRAPHY

Collaborating/Partner Organisation(s)

Regional Arts NSW
 Local Government & Shires Association of NSW
 Australia Council of the Arts
 Canberra Arts Marketing
 City of Wodonga
 Albury City
 Uralla Shire Council
 Armidale Dumaresq Council
 Wollongong City Council
 Central Darling Shire Council

Administering Organisation University of Technology, Sydney

Project Summary

At a time when the environmental, social and industrial bases of regional life are changing markedly, this project examines ways that many areas in Australia might revitalise their economies and communities by engaging in new approaches to the arts and creative activity. For consumers and producers alike, many non-metropolitan regions in Australia offer opportunities for enhanced cultural activity and productivity and quality of life. But these opportunities have not yet been thoroughly observed, described or analysed. This project addresses this serious gap in knowledge and gives policy-makers, planners and regional and rural communities crucial information they need to decide their futures.

LP0882944 A/Prof SP Gudergan; Dr I Lings; Prof JJ Louviere; Prof TM Devinney

Approved Project Title **Strategic Service Innovation: The Role of Heterogeneity in Substantive and Dynamic Capabilities**

2008 : \$ 90,000
2009 : \$ 80,000
2010 : \$ 100,000

Primary RFCD 3506 SERVICES

Collaborating/Partner Organisation(s)

Ruralco/Growforce Australia

Administering Organisation University of Technology, Sydney

Project Summary

This project will provide Australian companies with the tools to conduct a services capabilities audit. This tool will allow them to identify substantive and dynamic service capabilities that they must strengthen or acquire, in order to remain competitive in domestic and global markets, where consumers increasingly differentiate between organisations by value-adding services that they offer. Australia imports over \$40Bn worth of services each year. This project has the potential to increase the domestic and international competitiveness of Australian manufacturers and service industries and contribute to the economy by reducing dependence on service imports, and assuring ongoing employment for Australian workers.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0882972 A/Prof RR Johnston; Prof RJ Gibson; Prof Dr LY Behrendt; Rev WD Crews; Mr SM Harris

Approved Project Title **New Ways of Doing School: Mixing story and technology to generate innovative learning, social and cultural communities.**

2008 : \$ 70,000
2009 : \$ 60,000
2010 : \$ 70,000

Primary RFCD 3301 EDUCATION STUDIES

Collaborating/Partner Organisation(s)

THE EXODUS FOUNDATION

Sydney Centre for Innovation in Learning (SCIL)

Administering Organisation University of Technology, Sydney

Project Summary

This project brings together academic, social and educational expertise and strong partnership networks of UTS, the Exodus Foundation, and the Sydney Centre for Innovation in Learning. Indigenous and mainstream educators collaborate to develop new perceptions of school and learning through creative mixes of story arts and multimedia technologies. Too often, the imaginations of the disenfranchised young are recruited into antisocial causes. This project seeks to build positive learning and social communities across remote and targeted urban regions, with a specific focus on, but not limited to, Indigenous children. The broad aim is to improve the lived experience of all Australians.

LP0882745 Dr D Liu; Dr S Huang; Prof G Dissanayake; Mr D Pagac

Approved Project Title **Efficient Strategies for Coordinating Autonomous Vehicles for Maximising Australia's Waterfront Productivity**

2008 : \$ 125,000
2009 : \$ 120,000
2010 : \$ 115,000

Primary RFCD 2903 MANUFACTURING ENGINEERING

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Patrick Stevedores Holdings Pty Ltd

Administering Organisation University of Technology, Sydney

Project Summary

This project will lift the productivity of container terminals by enabling the effective deployment of autonomous vehicles in large numbers. The project outcomes of practically deployable and scalable algorithms, realised as live software, will significantly enhance Patrick Stevedores Holdings' world leading technology and the potential of such automation systems to revolutionise material handling around the globe. Beyond the benefits of technology commercialisation, the project will also benefit Australia economically through extending its leading role in developing autonomous systems for material handling, enhancing the frontier technologies for building Australian industries, and alleviating looming capacity constraints.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0882861 Prof AS Mowbray; Prof GW Greenleaf; Mr P Chung

Approved Project Title **Improving online case law within the constraints of free access through heuristic linking and resulting discovery mechanisms.**

2008 : \$ 111,430

2009 : \$ 115,163

2010 : \$ 150,000

Primary RFCD 3999 OTHER LAW, JUSTICE AND LAW ENFORCEMENT

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Victorian Civil and Administrative Tribunal

High Court of Australia

Federal Court of Australia

Family Court of Australia

Thomson Legal & Regulatory Limited

The Australian Institute of Judicial Administration Incorporated

Justis Publishing Limited

Administering Organisation University of Technology, Sydney

Project Summary

Better interconnections between cases and between cases and other documents, will improve the work of the judiciary, lawyers and legal researchers. Improved speed, accuracy and comprehensiveness of assessment of the legal implications of previous cases should result in better quality client advice and judicial decisions. The general public and business, for whom AustLII is the principal means of accessing law, will also benefit from better understanding of, and easier access to, the interconnections between the sources of law. Free access via AustLII's increasingly comprehensive coverage of Australian Courts and Tribunals means these innovations will be of immediate broad national benefit.

LP0882089 A/Prof HH Ngo; Mr A Listowski

Approved Project Title **Integration of Sponge Based Technology and Membrane Bioreactor: A Sustainable Treatment System for Water Recycling**

2008 : \$ 60,000

2009 : \$ 60,000

2010 : \$ 75,000

Primary RFCD 2908 CIVIL ENGINEERING

Collaborating/Partner Organisation(s)

Sydney Olympic Park Authority

Administering Organisation University of Technology, Sydney

Project Summary

Clean, safe water is becoming scarce in Australia. Recycling water is considered a promising solution to this growing problem. It is therefore important to develop sustainable treatment technologies for it. Integrating sponge-based technology and membrane bioreactor systems will solve the most challenging problem of membrane fouling while producing high quality of recycled water from wastewater. The technology will maximize water resources, minimize waste and increase economic effectiveness and contributes direct benefits to the Nation in particular and to the world as a whole.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0882092 Dr I Vanni Accarigi; Dr TI Dreher; Dr D Ghosh; Dr C Ho; Dr AW Mitchell

Approved Project Title **Information and Cultural Exchange: a study of best practices in community building, participation and cultural citizenship through creative practices**

2008 : \$ 85,000

2009 : \$ 75,000

2010 : \$ 65,000

Primary RFCD 4203 CULTURAL STUDIES

Collaborating/Partner Organisation(s)

Information and Cultural Exchange

Arts NSW Department of Arts, Sport and Recreation

Australia Council for the Arts

Administering Organisation University of Technology, Sydney

Project Summary

This study relates to the NRP 2: 'Strengthening Australia's social and economic fabric'. This project offers new approaches to questions of cultural diversity beyond multiculturalism by bringing together the notions of culture and citizenship, thereby reframing the international debate over cultural citizenship within the Australian context. The project places Australia at the leading edge of research on new media, creative practices and citizenship by developing models of 'evaluating evaluation' and benchmarking participation, belonging and cultural citizenship. The research will contribute to improved funding, evaluation and policy priorities for key Arts agencies such as The Australia Council and Arts NSW.