

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

Queensland

Griffith University

LP100200406 A/Prof Roderick J Gardner, Dr Ilana Mushin

Approved Project Title **Clearing the path towards literacy and numeracy: language for learning in Indigenous schooling**

2010	\$33,246.50
2011	\$67,000.00
2012	\$51,621.00
2013	\$17,867.50
2014	
2015	
Primary FoR	2004 LINGUISTICS

Partner/Collaborating Organisation(s)

Education Queensland

Administering Organisation Griffith University

Project Summary

The Australian and State Governments are committed to halving the gap between Indigenous and other Australians, notably in education outcomes. This project will provide a platform for a better understanding of how language is used in Indigenous classrooms, and set foundations for improving practices for teaching these students, in particular for literacy and numeracy. The project will investigate how children's language use differs from Standard Australian English. Where teachers are aware of such differences, and adapt their classroom communication styles, greater engagement from children can be expected. This will ultimately lead to improved retention rates and learning outcomes, giving Indigenous students a better start to life.

LP100200312 Prof John Kane, Prof Haig Patapan, Ms Alexandra K Duchen, Mr Fergus E Hanson, Prof Ian Shapiro

Approved Project Title **Political leadership in international affairs**

2010	\$35,000.00
2011	\$75,000.00
2012	\$70,000.00
2013	\$30,000.00
2014	
2015	
Primary FoR	1606 POLITICAL SCIENCE

Partner/Collaborating Organisation(s)

Lowy Institute for International Policy, Yale University

Administering Organisation Griffith University

Project Summary

This program of research will make a contribution to judging our place in the world by assisting in our understanding of the importance of leadership in international relations; specifically in the various international leaders and persons of influence with whom Australia has of necessity to deal. The examination of regional institutional leadership will provide insights into the importance of international organisations and their potential to augment or limit state leadership. Finally, the mapping of the sites of leadership in developing states will allow Australia to see how to best invest in aid and regional security through programs that focus on education as a foundation for future leadership.

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LP100200205 A/Prof Junwei Lu
Approved Project Title **High efficiency magnetics for high frequency and high energy density power converters used in renewable energy systems**

2010	\$13,334.50
2011	\$26,669.00
2012	\$26,669.00
2013	\$13,334.50
2014	
2015	

Primary FoR 0906 ELECTRICAL AND ELECTRONIC ENGINEERING

APAI 1

Partner/Collaborating Organisation(s)

HBCC PTY LTD

Administering Organisation Griffith University

Project Summary

This project will result in the development of more efficient power conversion technologies for solar energy production and enable greater utilisation of renewable, solar-generated power in the national electricity supply. Technology developed from this proposal will provide the solar power industry with several new high frequency magnetics technologies utilised in solar power converters. These solar technology innovations will result in national benefits through reduced carbon emissions from a greater uptake of renewable (solar) power. It will enable Australia to rise to meet the renewable energy generation and utilisation standards of the United States of America and Europe.

LP100200218 Prof Grant H McTainsh, Prof Nigel J Tapper, Mr Philip N Shinkfield
Approved Project Title **Finding lost dust storms: re-evaluation of the last 20 years of meteorological records to advance wind erosion mapping in Australia**

2010	\$40,000.00
2011	\$70,000.00
2012	\$30,000.00
2013	
2014	
2015	

Primary FoR 0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT

Partner/Collaborating Organisation(s)

Australian Bureau of Meteorology

Administering Organisation Griffith University

Project Summary

The Dust Event Database (DEDDB) at Griffith University is the only long term (1960 - present) record of wind erosion in Australia. It is used in many studies of the impact of dust on the terrestrial, atmospheric and marine environments as well as in studies of urban and regional air pollution and environmental health. Through this project, the revision of the DEDDB will provide new knowledge on these impacts of wind erosion processes and will inform environmental policy through its contributions to the Caring for Our Country Program, the national State of the Environment, and the Australian Centre for Rangeland Information Systems.

