

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

Victoria

Swinburne University of Technology

LP110100240 Prof Grenville J Armitage, Dr Lachlan L Andrew, Mr Geoffrey I Huston

Approved Project Title **Tools and models for measuring and predicting growth in internet addressing and routing complexity**

2011		\$70,715.00
2012		\$70,124.00
2013		\$71,533.00
Primary FoR	1005	COMMUNICATIONS TECHNOLOGIES

Partner/Collaborating Organisation(s)

APNIC Pty Ltd

Administering Organisation Swinburne University of Technology

Project Summary

We analyse patterns in the allocation and actual use of Internet Protocol version 4 (IPv4) addresses to predict the technical and market pressures for deployment of IPv6. The utilisation models will help evaluate the potential for emerging markets in scarce IPv4 address prefixes to increase costs to the end-users of Australia's future national broadband network.

LP110100228 Prof Suresh Cuganesan, Prof Yun Yang

Approved Project Title **Management control systems for effective information sharing and security in government organisations**

2011		\$150,000.00
2012		\$110,000.00
2013		\$140,000.00
Primary FoR	1503	BUSINESS AND MANAGEMENT

Partner/Collaborating Organisation(s)

Department of Transport, Victoria, Victoria Police

Administering Organisation Swinburne University of Technology

Project Summary

The project investigates how government agencies can achieve effective information sharing and security practices through management control systems that include the latest information technology developments. The project will help government agencies to improve their information sharing and security practices by using better control systems.

LP110100430 Prof Emad Gad, A/Prof Nelson T Lam, Prof John L Wilson

Approved Project Title **Rational lateral-bracing design for steel-framed domestic structures**

2011		\$54,444.00
2012		\$54,444.00
2013		\$54,444.00
Primary FoR	0905	CIVIL ENGINEERING

Partner/Collaborating Organisation(s)

NATIONAL ASSOCIATION OF STEEL-FRAMED HOUSING

Administering Organisation Swinburne University of Technology

Project Summary

For the 150,000 new Australian houses built annually to remain safe, despite expected increases in structural loading due to climate change, rational design approaches are desperately needed. This project will provide the industry with the necessary tools to develop optimised and innovative solutions to brace houses for extreme events and yet maintain affordability.

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LP110100410 Prof Con K Stough, Dr Vanessa L Cropley, A/Prof Murat Yucel, Prof Andrew Scholey, Prof Kevin D Croft

Approved Project Title **Neuroimaging changes underpinning improvements in cognition in the elderly**

2011 \$86,913.00

2012 \$86,913.00

Primary FoR 1104 COMPLEMENTARY AND ALTERNATIVE MEDICINE

APDI Dr Vanessa L Cropley

Partner/Collaborating Organisation(s)

Flordis Pty Ltd, Horphag Research

Administering Organisation Swinburne University of Technology

Project Summary

Natural supplements are often used to improve brain and cognitive function, however, we do not know how these supplements work in the brain. Using novel brain imaging scans, the project will investigate whether 12-month administration of two promising natural supplements improves brain markers of ageing and cognitive decline in an elderly population.