Victoria

Swinburne University of Technology

LP110100240  Prof Grenville J Armitage, Dr Lachlan L Andrew, Mr Geoffrey I Huston
Approved  Tools and models for measuring and predicting growth in internet addressing and routing complexity
Project Title

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

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

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.
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.