

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

## New South Wales

### Macquarie University

**LP100200663** A/Prof Michael C Heimlich, Prof Anthony E Parker, Dr Wen-Kai Wang, Mr Richard Kuo, Dr Simon J Mahon, Mr Anthony P Fattorini, Dr Shinichiro Takatani

**Approved Project Title** **Circuit-based monitoring and characterisation of high performance semiconductor processes**

2010 \$85,000.00

2011 \$142,500.00

2012 \$130,000.00

2013 \$72,500.00

2014

2015

Primary FoR 0906 ELECTRICAL AND ELECTRONIC ENGINEERING

APAI 1

#### Partner/Collaborating Organisation(s)

Mimix Broadband Inc, WIN Semiconductor Corporation

**Administering Organisation** Macquarie University

#### Project Summary

As a frontier technology, this project extends Australia's leadership in wireless communications. Potentially this project provides the key enabling method for integrated circuits to take full advantage of future generations of semiconductor technology. National Research Priorities safeguarding Australia and promoting and maintaining good health will also be impacted through more capable circuits for defence electronics and anti-terrorism, medical remote sensing and networking. The innovations here will make Sapphicon, Australia's only commercial integrated circuit manufacturer, more competitive and indirectly benefit National ICT Australia (NICTA), Commonwealth Scientific and Industrial Research Organisation (CSIRO), Defence Science and Technology Organisation (DSTO), the National Broadband Network and a host of other high-performance electronics concerns.