

Summary of Linkage Infrastructure, Equipment and Facilities Proposals

New South Wales

University of Technology, Sydney

LE0989506 Prof LC Botten; A/Prof MJ Ford; Dr CG Poulton; Dr A Rahmani; Prof SW Armfield; A/Prof S Kuyucak; Dr GF Lewis; Prof RC McPhedran; A/Prof D Muller; Prof L Radom; Prof HA Abbass; Dr GE Ball; Dr RJ Bursill; Prof MH England; Dr R Khanna; Prof E Leonardi; Prof AJ Pitman; Prof MR Wilkins; Prof KP Esselle; Prof S Ranganathan; A/Prof MJ Steel; A/Prof FA Henskens; Prof El von Nagy-Felsobuki; Prof TR Marchant

Approved Project Title **A high performance computing cluster and storage for the INTERSECT Consortium of NSW**

2009 : \$ 500,000

Primary RFCD 2506 THEORETICAL AND COMPUTATIONAL CHEMISTRY

Partner Organisations & Collaborating Organisations

University of Technology, Sydney
The University of Sydney
The University of New South Wales
Macquarie University
The University of Newcastle
University of Wollongong

Administering Organisation University of Technology, Sydney

Project Summary

The installation of this new supercomputing facility is an important addition to the nation's foundation research infrastructure. Of particular importance to research groups in NSW is the much needed boost in computational research and research training capacity that it will provide, enabling world leading research teams to continue their ground breaking work in an increasingly competitive international environment. Much of the research to be supported lies in areas of national priority, including frontier technologies and Australian environmental sustainability.

LE0989957 Prof AS Mowbray; Prof GW Greenleaf; Prof SK Blay; Prof AC Byrnes; Prof RG Rayfuse; Prof MA Adams; Prof DR Rothwell; Prof K Rubenstein; Prof GD Triggs

Approved Project Title **The International & Humanitarian Law Library - A global dimension in Australian legal research infrastructure**

2009 : \$ 150,000

Primary RFCD 2801 INFORMATION SYSTEMS

Partner Organisations & Collaborating Organisations

University of Technology, Sydney
The University of New South Wales
University of Western Sydney
Department of Foreign Affairs and Trade
The Australian National University
The University of Sydney

Administering Organisation University of Technology, Sydney

Project Summary

All researchers in international and humanitarian law in Australian Law Schools will use this infrastructure to improve their research. So will similar researchers from Universities worldwide, enhancing Australia's reputation in this field. Australia's Department of Foreign Affairs and Trade, and other government agencies involved in international law, co-operation and trade, will obtain similar benefits from resources not available within government, assisting the Australian Government's moves toward greater involvement in international institutions. Researchers from non-government organisations with international engagements will benefit from free access, as will all Australians who wish to better inform themselves in these fields.

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LE0989920 A/Prof CB Whitchurch; Prof EJ Harry; A/Prof MR Phillips; A/Prof MJ Ford; Prof JP Dalton; A/Prof PJ Ralph; Dr MA Doblin; A/Prof NC Smith; Dr N Firth; Prof J Trehella; A/Prof GC Cox; A/Prof FC Braet; A/Prof DA Carter; Dr TP Newsome; Prof NE Dixon; Prof MJ Walker; Dr JM Mackenzie; Dr E Hanssen; Prof L Tilley; A/Prof J Mak; Dr RM Murphy; Dr MT Ryan; Prof DG Stephenson; Prof DL Vaux; A/Prof C Tang; Prof PR Fisher; Dr AR Gendall; A/Prof SG Crewther; A/Prof TA Smith; Prof RM Robins-Browne; Dr EL Hartland

Approved Project Title Microbial and Cellular Imaging and Analysis Facility

2009 : \$ 750,000

Primary RFCD 3210 CLINICAL SCIENCES

Partner Organisations & Collaborating Organisations

University of Technology, Sydney

La Trobe University

The University of Melbourne

The University of Sydney

University of Wollongong

Administering Organisation University of Technology, Sydney

Project Summary

The Microbial and Cellular Imaging and Analysis Facility will rapidly establish itself as one of Australia's premier science facilities. It will provide the capacity to investigate the structure and molecular dynamics of viruses and microbial, human, animal and plant cells with unprecedented high resolution in both pure and applied research settings, guided by Australia's leading experts in many research strengths. This facility addresses a current unmet need for scientists in this country and will provide cutting-edge technologies to Australian researchers so they can better detect, understand, and treat human, animal and plant diseases and the environmental impact of climate change.