New South Wales

The University of Newcastle

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Approved Project Title **Integrated Surface Fabrication and Characterisation Laboratory**

2008 : $ 750,000

Primary RFCD 2402 THEORETICAL AND CONDENSED MATTER PHYSICS

Partner Organisations & Collaborating Organisations

The University of Newcastle
The University of Sydney
The University of New South Wales
CSIRO Energy Technology Division
Australian Nuclear Science & Technology Organisation (ANSTO)

Administering Organisation The University of Newcastle

Project Summary

New electronic devices and materials that exploit the properties of polymers and organic molecules are predicted to have a major impact on everyday life in areas such as photovoltaics, biotechnology and healthcare. The IntLAB facility will provide researchers for the first time with the unique capability of building and characterising complex multi-layered thin films of polymers and organic molecules completely under controlled environments. The IntLAB represents a major new joint venture between three major Australian Universities, CSIRO and ANSTO and will provide researchers with the essential tools for developing new electronic devices, biosensors, detectors and solar cells based on nanotechnology.