

Appendix – Grants and Contracts

ABB Transmission and Distribution Pty Ltd & Transgrid

Dr A. Samoc

Fibre Optic Voltage Sensor

April 1999 – April 2003

\$ 30,000

ACT Government Knowledge Fund

Dr G.G. Borg and Professor J.H. Harris

BushLAN Development of Novel VHF Wireless Internet Technology for Rural Australia

2002 – 2003

\$ 25,000

Dr J. Howard

Development of Absolute Thermal Imaging Systems for Industrial Process Monitoring and Control

2002 – 2003

\$ 40,000

ACT R&D Grant

Professor J.S. Williams

Developing Technology Prototype Products & Markets for Semiconductor Lasers

September 2001 – April 2003

\$ 350,000

AusIndustry

Innovation Access Program

Professor J.S. Williams

Establishment of the Australian Materials Technology Network

2003 – 2006

\$ 2,683,520

Australian Academy of Science

Dr S.Y. Kun

Research Visit to Japan

April 2002 – March 2003

\$ 8,300

Dr S.Y. Kun

Research Visit to France

July 2002 – June 2003

\$ 2,500

Dr D. Neshev

Research Visit to Germany

2003

\$ 7,000

Australian-German Joint Research Co-operation Scheme

Professor S. Hyde

Signatures of Spatial Morphology in Ordered and Disordered Media

2002 – 2004

\$ 17,100

Professor B. Luther-Davies

Highly Oriented Nanostructures of Nonlinear Optical Materials for Applications in Polarized Light Emitting Diodes and Optical Devices

2002 – 2004

\$ 16,400

Dr M. Ridgway

Application of the Perturbed Angular Correlation Technique for the Microstructural Identification of Implantation-Induced Disorder in Compound Semiconductors for Improved Optoelectronic Device Performance with R. Vianden (University of Bonn, Germany)

2001 – 2003 \$ 10,920

Dr A. Rode

100-W Laser System for Ultra-fast Pulsed Laser Deposition

2002 – 2003 \$ 16,250

Dr M. Vos

The Determination of the Hydrogen Concentration in Polymer Films by Electron Scattering and Neutron Compton Scattering Experiments

2002 – 2003 \$ 7,520

Professor E. Weigold and Dr J. Lower

Investigations into Atomic Collisions through the Development of Advanced Technologies

2001 – 2003 \$ 19,380

ANU Commercialisation (Venture Capital) Fund

Professor C. Jagadish

General Contingency Fund: Develop Stage 1 of Acton Lasers

March 2000 onwards \$ 500,000

ANU General Staff Development Fund

Dr N.R. Lobanov

Attendance of the 11th Workshop on RF-Superconductivity SRF2003, Lübeck/Travemünde, Germany

2003 \$ 1,500

ANU Major Equipment Grant

Dr B. Blackwell

Interactive Computational Physics Cluster

2003 \$ 133,900

Dr J. Howard

A Voltage-Tunable High Power Millimetre-Wave Source for Time-Resolved Plasma Tomography and Transport Studies

2003 \$ 110,000

Ms Anita Smith, Professor N. Manson and Dr M Sellars

Crystal Growth Facilities for Quantum Information Processing

2003 \$ 99,200

Australian Institute of Nuclear Science & Engineering Grant

Dr M.C. Ridgway

Nanocavity Formation Mechanisms in Si Substrates Studied with In-situ Transmission Electron Microscopy

2003 \$ 4,601

Australian Nuclear Science and Technology Organisation

Access to Major Research Facilities Program

Professor G.D. Dracoulis and Dr G.J. Lane

Structure of Multi-quasiparticle States in Lu-176 and Lu-177

2003 \$ 12,000

Dr M. Petracic and Dr P.N.K. Deenapanray

Photoemission Studies of Composition Changes on III-N-V Compounds under Ion Bombardment; and FEL-based Resonance Ionisation Spectrometry of Impurities from Semiconductor Surfaces

2003 \$ 12,000

Dr M.C. Ridgway

EXAFS Characterisation of Implantation-induced Disorder in Compound Semiconductors and Structural Perturbations in Elemental Nanocrystals

2003 \$ 7,350

Australian Synchrotron Research Program

Dr C.J. Glover

EXAFS Measurements of the Local Structure of Ferromagnetic GaMnAs Alloys

2003 \$ 4,370

Dr P. Kluth

Ion Irradiation Induced Preferential Amorphisation of Metallic Nanocrystals in Silica Measured with EXAFS

2003 \$ 4,280

Dr P. Kluth

Structural Characterisation of Ion Irradiated Metallic Nanocrystals in Silica using EXAFS

2003 \$ 4,380

Dr P. Kluth and Dr M. Ridgway

Structural Properties of Metallic Nanocrystals Formed by Ion Implantation into SiO₂ Measured with Temperature Dependant EXAFS

2003 \$ 4,480

Dr M. Ridgway and Dr C.J. Glover

Electronic Structure and Interface Effect of Ge Nanocrystals in a SiO₂ Matrix

2003 \$ 6,850

Dr M. Ridgway

Irradiation-induced Preferential Amorphisation of Semiconducting and Metallic Nanocrystals in SiO₂ Measured with EXAFS

2003 \$ 4,370

Dr M. Ridgway and Dr C.J. Glover

Local Structural Characterisation of Amorphised and Annealed InP and GaP

2003 \$ 5,801

Dr M. Ridgway

Amorphous Compound Semiconductors

2003 \$ 6,830

Australian Partnership for Advanced Computation

Dr Shin-Ho Chung

Studies on Biological Ion Channels

2001 – 2003 \$ 119,048

Professor S.T. Hyde and Dr M.A. Knackstedt

Mesoscale Physics Computation

2001 – 2003 \$ 250,000

Australian Photonics Pty Ltd

Professor J.D. Love and Dr A. Ankiewicz

Consultancy: *Feasibility Study of a Planar Waveguide Grating AWG*

2003 \$ 36,263

Professor B. Luther-Davies and Dr W. Krolikowski , Ms R.M. Krolikowska, Mr J. Bottega, Mr I. McRae and Mr C. Macleod

Polymer Waveguides and Integrated Optics Projects (Redfern Polymer Optics)

June 2002 – May 2003 \$ 160,296

June 2003 – May 2004 \$ 108,000

Dr A. Samoc

Nonlinear Polymers

2002 – 2003 \$ 183,447

Dr M. Sellars and Professor B. Luther-Davies

Real-time Optoelectronic Spectrum Analyser System

2002 – 2003 \$ 30,000

Australian Research Council (ARC) Grants and Awards

ARC Australian Postgraduate Awards (Industry)

Dr S. Huntington, Professor J.D. Love and Dr A. Carter (Nufern Inc)

Mr P. Pace

December 2001 – November 2004 \$ 86,598

Nufern contribution \$ 15,000

ARC Australian Senior Research Fellowship

Dr D.R.M. Williams (transferred 2003 from University of Sydney)

Deformation and Dynamics of Single Polymer Chains

2003 – 2004 \$ 179,032

ARC Centre for Excellence

Professor B. Luther-Davies, Professor Y.S. Kivshar and Dr W. Krolikowski

Centre for Ultrahighband Devices for Optical Systems (CUDOS)

(Total \$ 11,513,850)

2003 – 2007 (RSPSE Share) \$ 2,967,000

Professor Y. Kivshar

ARC Centre of Excellence for Quantum-Atom Optics (ACQAO)

RSPHysSE Project: Optical Lattices

(Total \$ 10,950,000)

2003 – 2008 (Project Share) \$ 719,000

Dr A.G. Truscott and Dr K.G.H. Baldwin

ARC Centre of Excellence for Quantum-Atom Optics (ACQAO)

RSPHysSE Project: Metastable BEC

(Total \$ 10,950,000)

2003 – 2008 (Project Share) \$ 1,203,000

University of Queensland

Dr Y. Chen (ANU Partner)

Australian Centre for Functional Nanomaterials

(Total \$ 6,380,544)

2003 – 2007 (RSPSE Share) \$ 452,256

ARC Discovery Project Grants

Professor N.N. Akhmediev

Multi-soliton Complexes

2003 – 2005 \$ 245,000

Professor V.V. Bazhanov and Professor R.J. Baxter

Solvable Models on Regular and Random Lattices in Statistical Mechanics and Field Theory

2002 – 2004 \$ 318,000

Professor S.J. Buckman

Electron Collision Studies with Laser-Cooled Metastable Helium-Recoil Atom Spectroscopy

2003 – 2005 \$ 265,000

Professor S.J. Buckman and Dr J. Lower

A Microscope for Molecular Reactions

2003 – 2005 \$ 245,000

Dr M. Buda

Asymmetric InP-based Structures for High Power Laser Diodes at 1400-1500 nm for Pumping Optical Amplifiers Used in Communication Systems

2003 – 2006 \$ 165,000

Professor J. Chappell and Dr T. Esat (administered by RSES)

Millennial-scale Instability of Sea Level and the Climate System: New Analysis of Coral Terraces in Papua New Guinea

2003 – 2005 (\$ 295,000)

Professor J. Chappell, Dr M. Honda, Dr D. Fabel and Dr L.K. Fifield (administered by RSES)

Production and Transport of Soil and Sediments, Determined by Cosmogenic Radionuclides and Noble Gases

2003 – 2005 (\$ 295,000)

Dr Shin-Ho Chung

Theoretical Studies on the KcsA Potassium Channel and L-type Calcium Channels

2002 – 2004 \$ 231,000

Professor R.L. Dewar and Dr R. Ball

Studies of Turbulence and Coherent Structures in Quasi Two-dimensional Plasmas and Fluids

2003 – 2007 \$ 605,000

Professor G.D. Dracoulis, Dr A.P. Byrne, Dr T. Kibédi, Dr R.A. Bark, Professor P.M. Walker and Dr J. Gerl

Isomers as Probes of Nuclear Structure and Sources of Energetic Protons

2003 – 2005 \$ 402,000

Professor R.G. Elliman and Dr J. Valenta

Novel Silicon-based Photonic Device

2003 – 2005 \$ 290,000

Professor J.H. Harris, Dr B.D. Blackwell, Dr J. Howard and Dr M.G. Shats

Localised Instabilities in Magnetically Confined Plasmas Heated by Radio Waves

2003 – 2005 \$ 162,000

Dr D.J. Hinde, Dr M. Dasgupta and Dr K. Hagino

Dynamics of Nuclear Fusion: Evolution Through a Complex Multi-Dimensional Landscape

2003 – 2005 \$ 575,000

Professor C. Jagadish

Fabrication and Monolithic Integration of II-V Semiconductor Photonic Devices using Impurity Free Interdiffusion

2003 – 2006 \$ 510,000

Professor N. Manson and Dr M.J. Sellars

Storage of Nonclassical Light in a Solid

2003 – 2005 \$ 265,000

Professor B. Ninham

Ionic Dispersion Forces in Physical Chemistry: Implications for pH, Electrochemistry, Nanoparticle Formation and Organic Synthesis

2003 – 2005 \$ 270,000

Dr M. Petravac and Professor J.S. Williams

Nanocavities and Nanoparticles in Silicon-base Materials Tailored by Ion Bombardment

2003 – 2005 \$ 350,000

Dr M.C. Ridgway and Professor H. Bernas

Nanocavities in Si: Structural Evolution and Metal Gettering

2002 – 2004 \$ 183,000

Dr M.C. Ridgway, Dr A.P. Byrne and Dr K.M. Yu

Atomic-scale Identification of Amorphisation and Relaxation Processes in Compound Semiconductors

2003 – 2005 \$ 285,000

Dr M. Sellars

Development of a Quantum Computer Based on Solid State Optical Impurity Sites

2003 – 2005 \$ 130,000

Dr M. Vos, Professor E. Weigold and Dr A.S. Kheifets

Electron Momentum Spectroscopy of Correlated Nanoscale Structures

2003 – 2005 \$ 295,000

University of Melbourne

Professor N. Fletcher (ANU Partner)

Acoustics of the Didjeridu

2002 – 2004 (\$ 253,000)

University of New South Wales ()

Dr M.A.Knackstedt (ANU Partner)

Structures and Properties of Tissue Engineering Matrices for Cartilage and Bone: Imaging, Visualising and Modelling Tissue/Scaffold Constructs in 3D

(Total \$ 312,000)

2003 – 2005 (ANU share) \$ 211,000

University of Queensland

Professor V.V. Bazhanov, and Professor R.J. Baxter (ANU Partners)

Algebraic Structures in Mathematical Physics and their Applications

(Total \$ 457,836)

2002 – 2004 (ANU share) \$ 92,000

University of Sydney

Professor A. Snyder (ANU Partner)

The Physics of Network Computation: Mathematical Modelling of the Nonconscious

2002 – 2004 (\$ 203,000)

University of Sydney

Professor J.S. Williams (ANU Partner)

Characterisation of Structural Defects in Ion-beam Processed III-V Nitrides

2001 – 2003 (\$ 208,126)

ARC Discovery Project Grants and Australian Postdoctoral Fellowships (APD)

Dr M. Boström (Relinquished August 2003)

Intermolecular Interactions Revisited - Flaws in the Fabric and Applications to Lower Dimensional Structures

2003 – 2005 (Total \$ 205,035)

2003 \$ 68,345

Dr J. Bradby

Mechanical Deformation of Layered Semiconductor Structures

2003 – 2005 \$ 234,000

Dr V. Craig, A/Professor S. Biggs and Dr C. Neto (APD)

Nanorheology: Hydrodynamic Slip in Newtonian Fluids

2003 – 2006 \$ 291,000

Professor R.G. Elliman, Dr E. Krausz, Dr T.D.M. Weijers (APD) and A/Professor S. Choi

The Physical and Optical Properties of Self-Assembled Si Nanocrystals

2003- 2005 \$ 318,035

Dr L. Fu

Growth and Intermixing of Quantum Dots for Multi Wavelength Infrared Photodetectors

2003- 2005 \$ 255,000

Dr C.J. Glover

Applying Advanced Synchrotron Radiation Based Techniques to Determine the Connection between the Geometric and Electronic Structure of Semiconductor Nanocrystals

2003- 2005 \$ 249,500

Dr S. Kluth

Ion Implantation Induced Diffusion and Defect Evolution in Si Nanostructures

2003- 2005 \$ 242,700

Dr E. Ostrovkaya (APD), Professor Y.S. Kivshar and Dr C.M Savage

Nonlinear Atom Optics of Bose-Einstein Condensates in Optical Lattices

2003 – 2005 (Total \$ 353,035)

2003 – 2005 \$ 193,035

Fellowship only, project component relinquished as of 1.1.03 due to overlap with CoE research program.

ARC Discovery Project Grant and Australian Professorial Fellowship

Professor M.T. Batchelor

The Mathematics and Physics of Interacting Systems

2003 – 2007 \$ 1,122,000

ARC Discovery Project Grants and Australian Research Fellowships (ARF)

Dr V. Craig

Surface Adsorption, Repulsion and Attraction: A New Experimental Approach to Surface Forces

2002 – 2006 \$ 573,782

Dr T.J. Senden

Dynamic Force Microscopy of Small Molecular Assemblies

2002 – 2006 \$ 391,782

Dr G.J. Lane

Structure of Exotic Neutron-Rich Nuclei Populated using Novel Reaction Mechanisms

2003 – 2007 \$ 566,605

Dr A.G. Truscott (ARF) and Dr J.J. Hope

How Does a Bose Einstein Condensate Develop Phase?

2003 – 2007 (Total \$ 1,056,605)

2003 – 2007 \$ 401,605

Fellowship only, project component relinquished as of 1.1.03 due to overlap with CoE research program

ARC Discovery Project Grants and QEII Fellowships (QEII)

Professor S.T. Hyde, Dr. T. Aste and Dr T. Di Matteo (QEII)

The Architecture of Networks: Characterisation and Visualisation of Complex Systems as Fluctuating Networks

2003 – 2007 \$ 687,275

Dr S. Ohnishi

Friction and Capillary Forces

2003 – 2008 \$ 548,000

Dr J. Wong-Leung (QEII) and Professor B.G. Svensson

Ion Implantation Processing in Silicon Carbide for Microelectronic Applications

2002 – 2006 \$ 619,411

Dr W. Xu (Transferred from University of Wollongong)

Generation of Coherent-hypersound from Semi-conductor Systems

(Total \$ 354,160)

2002 – 2005 (ANU share) \$ 249,628

ARC Federation Fellowship

Professor Y. Kivshar

Nonlinear Photonics and All-Optical Technologies

2002 – 2006

\$ 1,448,515

Professor B. Luther-Davies

Creation of a Novel Photonic and Nanostructured Materials by Ablation of Solids with Ultra Fast Lasers

2003 – 2007

\$ 1,481,765

ARC Large Grants

Dr M.A. Knackstedt

Three Dimensional Image Analysis

2001 – 2003

\$ 164,961

Dr D.R.M. Williams

Specific Ion Effects in Colloid, Surface and Polymer Science

2001 – 2003

\$ 70,139

Dr D.R.M. Williams

Size-separation of Polymers in Ordered Obstacle Assemblies: DNA Electrophoresis in Microlithographic Arrays

2003

\$ 5,762

ARC Linkage – Infrastructure Equipment and Facilities

Dr G.G. Borg, Professor J.H. Harris and Dr H.M. Jones

Infrastructure for Wireless Internet Technology Development for Rural Australia

2003

\$ 100,000

2003 (Major Equipment Committee, ANU) \$ 47,500

Professor A.W. Snyder, Professor M.V. Srinivasan and Professor W.A. Foley

Intelligent Computer System to Access Information Directly from the Brain using High Resolution Electroencephalography and Repetitive Transcranial Magnetic Stimulation

2003 \$ 115,490

2003 (Major Equipment Committee, ANU) \$ 57,745

University of Sydney

Dr M.C. Ridgway (ANU Partner)

Fluorescence Detector for the Australian National Beamline Facility

2003 (Total \$ 530,000)

2003 (Major Equipment Committee, ANU) \$ 15,000

ARC Linkage International Award

Dr R. Ball and Professor R.L. Dewar

Low-order Dynamical Models for Non-linear Fluid Behaviour in Quasi Two-dimensional Plasmas

2003 – 2005 \$ 9,000

Professor S.J. Buckman (Jointly with Flinders University)

Environmental and Technological Applications of Electron-Driven Processes

(Total \$ 33,000)

2003 – 2005 (ANU Share) \$ 16,500

Dr W. Xu

Optoelectronic Properties of Los-dimensional Semiconductor Systems and Semiconductor Nanostructures under Terahertz Free Electron Laser Radiation

2003 – 2004 \$ 28,800

ARC Linkage International Fellowship (IF)

Professor E. Weigold, Professor S.J. Buckman and Dr M. Lange (IF)

Investigating Near-threshold Atomic and Molecular Collision Processes with Multiparameter Detection Techniques

2003 – 2004 \$ 77,649

ARC Linkage Project

Dr G.G. Borg, Professor J.H. Harris and Dr H.M Jones

VHF Wireless Technologies for Last-mile Internet Access in Regional Australia

2003 – 2006 \$ 138,198

Professor R. Boswell

Development of Inert Gas Ion Beams for Fabrication of Nanostructures

2003 – 2006 \$ 300,000

Professor B. Luther-Davies

Polymer Optical Fibre Drawing Tower Facility

2003 \$ 20,000

University of Sydney

Professor A. Snyder (ANU Participant)

What Makes a Corporate Champion?

2002 – 2004 (Total \$ 210,000)

ARC Postdoctoral Research Fellowship

Dr R. Ball

Turbulence and Anomalous Transport in Magnetically Confined Plasmas: A Theoretical and Computational Study of Transport Barrier Bifurcations

2000 – 2003 \$ 177,009

Dr S.J. Cavanagh

Photodissociation Dynamics of Diatomic Sulphur, S₂, and its Role in Environmentally Friendly Energy Efficient Lamps

2001 –2004 \$ 195,261

Dr P.N.K. Deenapanray

Defect Engineering of Quantum Well Interdiffusion for Optoelectronic Device Applications

2001 – 2004 \$ 168,702

Dr M. Hoyles

Postdoctoral Fellowship

2000 – 2003 \$ 166,131

Dr C.R. Morton

Mechanisms for Formation of Heavy Elements

2000 – 2003 \$ 179,769

ARC QEII Research Fellowship

Dr M. Dasgupta

Fusion Barrier Distributions: A New Approach to Understanding Complex Nuclear Interactions

1998 – 2003 \$ 360,000

Dr H.H. Tan

Growth, Characterisation and Fabrication of GaInNAs Lasers

2001 – 2006 \$ 357,590

ARC Special Research Initiatives

Research Networks Seed Funding

Dr K. Baldwin

Network for Optical and Quantum Science and Technology

2003 \$ 30,000

Professor R.L. Dewar

Energetically Open Systems Research Network Study

2003 – 2004 \$ 10,000

Professor C. Jagadish

Australian Semiconductor Nanotechnology Network

2003 – 2004 \$ 10,000

Professor J.S. Williams

Innovative Materials Production, Processing and Analysis Network

2003 – 2004 \$ 30,000

ARC Strategic Partnerships with Industry, Research and Training Scheme (SPIRT)

Professor J.H. Harris, Dr G.G. Borg, Dr N.M. Martin, Dr D. Thorncraft and Mr L. Lungu

CEA Technologies and Neolite Neon

The Application of Plasma Antennas to Communications and Radar

2000 – 2003 \$ 63,240

BASF A.G.

Dr M.A. Knackstedt

Characterization of Foam Morphology and Simulation of Mechanical and Thermal Foam Properties

2002 – 2004 \$ 75,000

BusinessACT

Professor J.D. Love

Biophotonics Development

2003 – 2004 \$ 75,000

Commonwealth Scientific Industrial Research Organisation

Dr R. Ball

Consultancy: Cross Disciplinary Bridges in Complex Systems Science

2003 – 2005 \$ 18,000

Professor L. Chadderton

Swift Ions Project

1998 – 2003 \$ 150,000

Consorzio RFX, Padova, Italy

Dr J. Howard

Development of Single-channel Coherence Imaging System for Plasma Spectroscopy

2003 \$ 74,000

Defence Advanced Research Project Agency, USA

Professor N. B. Manson, Professor M.S. Scully and Dr P. Hemmer

Texas A & M University

Spin-based Lattice-gas Quantum Computers in Solids using Optical Addressing

2001 – 2004 US \$ 240,000

Defence Science and Technology Organisation

Materials Research Laboratory

Professor C. Jagadish

Research in Novel Opto-electronic Device Fabrication

2003 – 2004 \$ 44,000

Weapons Systems Research Laboratory

Professor C. Jagadish

Feasibility Study on the Use of Stacked Array Detectors to EO Threat Warning

2003 \$ 55,000

Professor N.B. Manson and Dr M. Sellars

Deliverables for ANU/DSTO Joint Collaboration

2002 – 2003 \$ 50,000

Dr M. Sellars

Real-time Optoelectronic Spectrum Analyser System

2002 – 2003 \$ 30,000

Department of Defence – Defence Signals Directorate

Professor N.B. Manson and Dr M. Sellars

Quantum Computing and Quantum Cryptography Research

2003 \$ 53,900

Department of Education Science & Training

Innovation Access Program – International Science & Technology

Professor R.W. Boswell

Visit of NASA Astronaut

2003 \$ 22,500

Professor J. Harris and Dr M. Shats

Cross Platform Studies of Fusion Plasma Confinement in Tokamaks and Stellarators

2003 – 2004 \$ 50,600

Professor B.R. Lewis

Fourteenth International Conference on Vacuum Ultraviolet Physics

2003 – 2005 \$ 55,000

Department of Industry, Tourism and Resources

Professor J. Harris *et al.*

National Plasma Fusion Research Facility

December 1995 to December 2003 \$ 8,700,000

Australian Photonics Cooperative Research Centre

Professor J.D. Love & Dr A. Ankiewicz

Modelling & Design of Light Processing Devices

May 1999 – April 2005 \$ 700,000

CRC for Functional Communication Surfaces

Dr M.A. Knackstedt, Dr T. Senden, Dr V. Craig, Mr R. Roberts and Dr V. Yaminsky

Program 1: *Fundamental Surface Measurements and Liquid Penetration Sciences*

July 2001 – June 2008 \$ 2,864,000

Program 6: *Education, Scholarship*

July 2001 – June 2008 \$ 525,000

Ericsson Australia Pty Ltd

Professor J.D. Love and Dr A. Ankiewicz

Planar Waveguide Design and Fabrication

2002 – 2003 \$ 77,000

French Embassy, Canberra

Dr S.Y. Kun

Experimental Test of Quantum Dots

2002 – 2003 \$ 5,950

Dr M.C. Ridgway

Nanocavity Evolution under Ion Irradiation

2002 – 2003 \$ 3,480

Japan Society for Promotion of Science

Dr S.Y. Kun

Slow Phase Randomisation in Nanostructures

2002 – 2003 \$ 11,200

Lawrence Livermore National Laboratory

Dr J. Bradby

Nanoindentation of Films

2003 \$ 9,800

Max Planck Institut für Plasma Physik, Germany

Dr J. Howard

Development of Coherence Imaging System for Edge Plasma Studies

2002 – 2003 \$ 155,000

McKinsey and Company

Professor A. Snyder

What Makes a Corporate Champion?

2002 – 2004 \$ 60,000

MOTOROLA Inc (USA)

Dr G.G. Borg and Professor J.H. Harris

Application of Plasma Switches to Mobile Personal Communication Systems

2003 US \$ 54,826

National Health & Medical Research Council Grant

Dr Shin-Ho Chung

Investigation of Biological Ion Channels: Theoretical Formulation, Computer Simulation and Experimental Verification

2002 – 2004 \$ 620,000

Parliament of Australia

Professor J.H. Harris and Dr G.G. Borg

Report on Parliamentary Enquiry for Wireless Broadband

2003 \$ 20,000

Redfern Polymer Optics

Professor B. Luther-Davies *et al*

Industry Funded PhD Scholarship

2001 – 2004 \$ 90,000

US Army Research Office (Far East)

Professor N. Akhmediev

Modelling of Active Optical Systems with Nonlinear Amplifiers

2002 – 2003 \$ 20,000

US Air Force Office (Far East)

Professor Y. Kivshar

Nonlinear Photonic Crystals: Concepts and Applications

2002 – 2003 \$ 15,000

Vice-Chancellor's Plan for Growth

Professor S.T. Hyde

2001 – 2003 \$ 287,000

Recruitment and Training of Technical Staff

2001 – 2003 \$ 157,500

Victorian Department of Innovation, Industry & Regional Development

Professor B.R. Lewis

Fourteenth International Conference on Vacuum Ultraviolet Physics

2003 – 2005 \$ 22,000

Dr M.C. Ridgway

Australian Synchrotron Summer School

2003 \$ 30,000

Vimed Biosciences Pty, Ltd

Dr T.J. Senden

Vimed Collaborative Research and Development Agreement

2002 – 2003 \$ 444,800

General Endowments

Donation from Personal Estate

June 1997 – indefinite \$ 222,896

Named Scholarships and Prizes

Jagadishwar Mahanty Prize \$ 16,840

To be confirmed by Andrew James