Appendix – Collaborations and Cooperative Agreements

Professor N.N. Akhmediev
Project: Soliton as Strange Attractors
Partner: Dr J. M. Soto-Crespo, Consejo Superior de Investigaciones Científicas, Spain

Project: Optical Bullets in Dissipative Systems
Partner: Dr Ph. Grelu, Centre National de Recherché Scientifique, France

Project: Multicomponent Nonlinear Schrödinger Equation with Mixed Nonlinearities
Partner: Dr T. Kanna, Bharathidasan University, India

Project: Dissipative Soliton of the Discrete Complex Cubic–Quintic Ginzburg–Landau Equation
Partner: Dr K. Maruno, Kyushu University, Japan

Project: Method of Moments in Dissipative Systems
Partner: Dr E. Tsoy, Uzbek Academy of Sciences, Uzbekistan

Dr T. Alexander, Dr E. Ostrovskaya and Professor Yu.S. Kivshar
Project: Bose-Einstein Condensates on a Permanent Magnet Atomic Chip
Partners: Dr A. Sidorov and Professor B. Dalton, Swinburne University

Dr T. Aste
Project: Glasses and Granular Materials
Partners: Professor A. Coniglio and Dr M. Nicodemi, University of Naples, Italy

Project: Surface Instabilities and Granular Matter
Partner: Professor U. Valbusa, University of Genoa, Italy

Project: Glassy Behaviours in Complex Matter
Partner: Professor D. Sherrington, University of Oxford, UK

Dr T. Aste and Dr T.J. Senden
Project: Volume Fluctuations and the Temperature of Granular Matter
Partner: Professor H.L. Swinney, University of Texas at Austin, USA

Dr K.G.H. Baldwin
Project: Ultrahigh Resolution OPO Laser Sources
Partner: Professor B. Orr, Macquarie University

Dr K.G.H. Baldwin and Professor B.R. Lewis
Project: High Resolution XUV Laser Spectroscopy of Isotopic Nitrogen
Partner: Professor W. Ubachs, Vrije Universiteit Amsterdam, The Netherlands

Dr R. Ball

Project: Validation and Extension Studies of a Unified Dynamical Model for Plasma Confinement Transitions
Partner: Professor F. Porcelli, Politecnico di Torino, Italy

Project: Low-order Dynamical Models for Non-linear Fluid Behaviour in Quasi Two-dimensional Plasmas
Partner: Professor W. Horton, University of Texas at Austin, USA

Dr F.C. Barker
Project: Low-lying States in ^{11}N
Partner: Dr C. Angulo, Université Catholique de Louvain, Belgium

Dr T.T. Barrows
Project: Glacier History of New Zealand
Partners: Dr P. Almond, Lincoln University, New Zealand; Dr R. Rose, University of Canterbury, New Zealand

Project: Glacier History of Mt Giluwe, Papua New Guinea
Partners: Dr M. Prentice, University of New Hampshire, USA; Professor G. Hope, Research School of Pacific and Asian Studies, Australian National University

Project: Glacier History of Luthers Pass, Sierra Nevada, USA
Partner: Dr D. Clark, Western Washington University, USA

Project: Exposure Dating of Wolfe Creek Crater, Northern Territory
Partners: Professor G. Miller, University of Colorado, USA; Dr J. Magee, Department of Earth and Marine Sciences, Australian National University

Project: Long Term Climate Change from Deep-sea Sediments
Partners: Professor P. De Deckker and Mr M. Spooner, Department of Earth and Marine Sciences, Australian National University; Dr S. Juggins, University of Newcastle, UK

Professor M.T. Batchelor
Project: Quantum Spin Ladders
Partners: Dr X.-W. Guan and Dr N. Oelkers, Mathematical Sciences Institute, Australian National University; Dr Z. Tsuboi, University of Tokyo, Japan

Project: Quantum Gases
Partners: Dr M. Bortz, Dr X.-W. Guan and Dr N. Oelkers, Mathematical Sciences Institute, Australian National University; Dr J. Links, University of Queensland

Project: Stromatolite Growth
Partners: Dr R. Burne, Department of Earth and Marine Sciences, Australian National University; Dr B. Henry, University of New South Wales; Dr J. Kaandorp, Vrije Universiteit Amsterdam, The Netherlands

Dr B.D. Blackwell and Professor J.H. Harris
Project: Data Mining of MHD Fluctuations on Heliotron-J
Partner: Dr K. Nagasaki, Kyoto University, Japan

Dr B.D. Blackwell and Dr J. Howard
Project: Soft X-ray Measurements on H-1NF
Partner: Associate Professor A.D. Cheetham, University of Canberra

Dr G.G. Borg and Professor J.H. Harris
Project: Plasma Antenna Concept Demonstrator
Partner: Dr N.M. Martin, Defence Science and Technology Organisation

Dr G.G. Borg and Mr P. Linardakis
Project: Plasma Switches for Mobile Phones
Partner: Dr R. Scheer, Motorola, USA

Professor R.W. Boswell, Dr O. Sutherland and Dr A. Aanesland
Project: High Brightness Ion Source
Partner: FEI Company, USA

Professor R.W. Boswell, Dr O. Sutherland and Dr C. Charles
Project: Dual Stage 4 Grid Space Thruster
Partner: European Space Agency

Project: Instabilities in High Density Plasmas
Partners: Dr P. Chabert, Dr C. Corr and Dr N. Plihon, École Polytechnique, Paris, France

Professor R.W. Boswell and Dr C. Charles
Project: Surface Functionalisation for Bio Applications
Partners: Professor D. McKenzie and Professor M. Bilek, University of Sydney

Project: Direct Methyl Fuel Cells
Partners: Dr A. Dicks and Mr B. Ladewik, University of Queensland

Project: Plasma Simulation
Partner: Dr J.-P. Boeuf, University of Toulouse, France

Project: Double Layers in the Solar Corona
Partner: Professor E. Marsch, Max Planck Institut, Göttingen, Germany

Project: rf Phase Effects in Plasma Sources
Partners: Professor D. McKenzie, Professor M. Bilek and Dr Y. Bin, University of Sydney

Professor P.J. Bouwknegt and Dr A. Flournoy
Project: Mathematical Foundations of String Theory, in Particular the Study of Symmetries (Dualities) and Underlying Generalizations of Geometry. Gerbes. Twisted K-Theory

Partners: Associate Professor V. Mathai and Dr H. Sati, University of Adelaide; Dr K. Hannabuss, Oxford University, UK; Dr J. Evslin, University of Brussels, Belgium; Dr B. Jurco, University of Munich, Germany; Professor K. Pilch, University of Southern California, USA

Dr J.E. Bradby
Project: International Partnership Program
Partner: University of Michigan, USA

Professor S.J. Buckman
Project: Positron Interactions with Atoms and Molecules
Partners: Professor C. Surko, University of California at San Diego, USA; Professor G.F. Gribakin, Queens University of Belfast, Israel

Project: Near-threshold Excitation of Helium
Partners: Professor K. Bartschat, Drake University, USA; Professor I. Bray and Professor A.T. Stelbovics, Murdoch University

Project: Centre for Antimatter-Matter Studies
Partners: Professor M. Brunger and Professor P.J.O. Teubner, Flinders University; Professor J. Williams, University of Western Australia; Professor B. Lohmann, Griffith University; Dr S. Smith, ANSTO; Professor I. Bray and Professor A.T. Stelbovics, Murdoch University; Professor C. Surko, University of California at San Diego, USA; Dr T. Rescigno, Lawrence Berkeley Laboratory, USA; Professor A. Orel and Professor B. McCurdy, University of California at Davis, USA; Professor K. Bartschat, Drake University, USA; Professor P. Burrow, University of Nebraska, USA; Professor Y. Nagai, Tohoku University, Japan; Professor N. Mason, Open University, UK

Project: Electron Collisions with Atoms and Molecules
Partners: Professor H. Tanaka, Sophia University, Japan; Professor H. Cho, Daejeon National University, Korea

Dr M. Buda
Project: DFB Lasers
Partners: Dr T.G. van de Roer and Professor Dr G.A. Acket, Eindhoven University of Technology, Netherlands

Professor A.P. Byrne
Project: Ion Implanter for Radioisotopes
Partner: Dr H. Timmers, ADFA, University of New South Wales

Project: Superallowed Fermi Decays
Partner: Associate Professor P.H. Barker, University of Auckland, New Zealand

Professor A.P. Byrne and Dr M.C. Ridgway
Project: PAC Studies of Materials
Partner: Dr R. Vianden, Universität Bonn, Germany

Project: Materials Modification by Swift Heavy Ion Irradiation
Partner: Professor W. Wesch, University of Jena, Germany

Dr C. Charles and Professor R.W. Boswell
Project: Plasma Deposition of Palladium
Partners: Dr A.L. Thomann and Dr P. Brault, Centre National de Recherché Scientifique, France

Project: Helicon Source Modelling
Partner: Professor M. Lieberman, University of California at Berkeley, USA

Project: Laser Induced Fluorescence Analysis of Double Layers
Partner: Professor E. Scime, University of West-Virginia, USA

Project: Deposition of Platinum for Fuel Cell Electrodes
Partner: Dr P. Brault, Centre National de Recherché Scientifique, France

Project: Helicon Double Layers
Partner: Professor A. Fredriksen, University of Tromsø, Norway

Dr C. Charles, Professor R.W. Boswell and Dr O. Sutherland
Project: Helicon Double Layer Thruster
Partner: European Space Agency

Dr Y. Chen
Project: Synthesis of C and BN Nanotubes Using Mechano-thermal Process
Partner: Dr J. Fitzgerald, Research School of Earth Sciences, Australian National University

Project: Microanalysis of BN Nanotubes
Partner: Dr J. Zou, University of Queensland

Project: Mossbauer Analysis of Nanotubes
Partner: Professor G. Le Caer, University of Rennes, France

Project: Mossbauer Study of Metal Catalysts for Nanotube Growth
Partner: Professor S. Campbell, ADFA, University of New South Wales

Dr S.H. Chung
Project: Controlled Adaptive Brownian Dynamics for Modelling Ion Channels
Partner: Professor V. Krishnamurthy, University of British Columbia, Canada

Ms V.A. Coleman, Ms P. Lever, Ms K. Stewart, Mr S. Barik, Dr H.H. Tan, Professor J.S. Williams and Professor C. Jagadish
Project: Cathodoluminescence Studies of Semiconductor Epitaxial Layers and Quantum Structures
Partner: Professor M.R. Philips, University of Technology, Sydney

Ms V.A. Coleman, Dr H.H. Tan, Dr S.O. Kucheyev, Professor J.S. Williams and Professor C. Jagadish
Project: Ion Beam Processing of Zinc Oxide
Partners: Professor M. Yano and Professor M. Inoue, Osaka Institute of Technology, Japan

Dr V.S.J Craig
Project: Boundary Slip in Newtonian Liquids
Partners: Professor H.-J. Butt and Dr E. Bonacurrso, Max Plank Institute for Polymers, Mainz, Germany

Project: Nanobubbles and Biomolecule Adsorption
Partner: Professor H. Jun, Chinese Academy of Sciences, China

Project: An AFM Study of the Interaction between Adsorbed PEO Layers
Partners: Dr L. Meagher, CSIRO, Melbourne; Mr S. McLean, Ms H. Lioe and Associate Professor M. Gee, University of Melbourne

Dr T.D.M. Dall
Project: Heavy Ion Stopping in Solids
Partners: Professor H.J. Whitlow and Dr K. Strenstrom, University of Lund, Sweden; Dr H. Timmers and Mr S. Shrestha, ADFA, University of New South Wales; Associate Professor D.J. O'Connor, University of Newcastle

Dr M. Dasgupta
Project: Quantum Tunnelling in Nuclear Fusion
Partners: Dr K. Hagino, Kyoto University, Japan; Professor N. Rowley, Strasbourg University, France

Dr M. Dasgupta and Professor D.J. Hinde
Project: Fusion with Radioactive ^{14}O
Partners: Professor S. Kubono and Dr H. Yamaguchi, University of Tokyo, Japan

Project: Reaching the Superheavy Elements
Partners: Dr F. Liang, Oak Ridge National Laboratory, USA; Dr K.-H. Schmidt, Gesellschaft für Schwerionenforschung, Germany

Dr A.S. Desyatnikov
Project: Counterpropagating Beams in Biased Photorefractive Crystals: Anisotropic Theory
Partners: Dr K. Motzek and Professor F. Kaiser, Darmstadt University of Technology, Germany; Professor M. Belic, Texas A&M University, USA and Institute of Physics, Belgrade, Serbia; Mr T. Richter, Mr Ph. Jander and Professor C. Denz, Westfälische Wilhelms-Universität Münster, Germany

Project: Two-dimensional Solitons with Hidden and Explicit Vorticity in Bimodal Cubic-quintic Media
Partners: Professor D. Mihalache and Professor D. Mazilu, Institute of Atomic Physics, Bucharest, Romania; Professor B.A. Malomed, Tel Aviv University, Israel; Professor C. Denz, Westfälische

Wilhelms-Universität Münster, Germany; Professor F. Lederer, Friedrich-Schiller Universität Jena, Germany

Dr A.S. Desyatnikov and Professor Yu.S. Kivshar
Project: Optical Vortices and Vortex Solitons
Partner: Professor L. Torner, Universitat Politecnica de Catalunya, Spain

Dr A.S. Desyatnikov, Dr D.N. Neshev and Professor Yu.S. Kivshar
Project: Nonlinear Photonic Lattices in Anisotropic Nonlocal Self-focusing Media
Partners: Ms N. Sagemerten, Mr D. Träger, Mr J. Jägers and Professor C. Denz, Westfälische Wilhelms-Universität Münster, Germany; Dr Y.V. Kartashov, Universitat Politecnica de Catalunya, Spain

Dr A.S. Desyatnikov, Dr D.N. Neshev, Professor W. Krolikowski and Professor Yu.S. Kivshar
Project: Focusing and Correlation Properties of White-light Optical Vortices
Partners: Dr V. Shvedov and Professor A. Volyar, Taurida National University, Ukraine

Professor R.L. Dewar and Mr R.F. Abdullatif
Project: Variational Principle for Nonlinear Drift Wave Dynamics
Partners: Dr F.L. Waelbroeck and Dr P.J. Morrison, University of Texas at Austin, USA

Professor R.L. Dewar and Dr M.J. Hole
Project: Existence and Stability of a Model for Three-dimensional Toroidal Plasma Equilibria
Partner: Dr S.R. Hudson, Princeton University, USA

Professor R.L. Dewar and Dr B.G. Kenny
Project: Quantum Chaos in the Ideal-MHD Spectrum for Stellarators
Partners: Dr C. Nührenberg, Max Planck Institute for Plasma Physics, Germany; Professor Z. Yoshida, University of Tokyo, Japan; Dr T. Tatsuno, University of Maryland, USA; Professor R.S. MacKay, University of Warwick, UK

Professor R.L. Dewar, Dr R. Ball and Professor M.T. Batchelor
Project: ARC Research Network Application – Complex Open Systems Network (COSNet)
Partners: Professor C. Grebogi, University of Sao Paulo, Brazil; Professor R. MacKay, FRS University of Warwick, UK; and 42 participants from the Australian National University and other Australian universities

Professor R.L. Dewar, Dr R. Ball, Dr R. Numata, Dr J.S. Frederiksen and Mr M. Zidikheri
Project: Studies of Turbulence and Coherent Structures in Quasi Two-dimensional Plasmas and Fluids
Partner: Dr B.D. Scott, Max Planck Institute for Plasma Physics, Germany

Dr T. Di Matteo and Dr T. Aste
Project: Characterization of Collective Dynamics in Financial Markets and Complex Systems
Partner: Professor R. Mantegna, University of Palermo, Italy

Project: High-frequency Dynamics of Financial Markets (FISR) (funded by the Italian Ministry of Education Research and Technology)
Partner: Dr E. Scalas, University of Piemonte Orientale, Italy

Project: Relationships between the Structure of Social Networks and Productivity
Partner: Professor M. Gallegati, Università Politecnica delle Marche, Italy

Project: Multiscaling Behaviours in Financial Markets
Partner: Dr M.M. Dacorogna, Converium Ltd Zurich, Switzerland

Dr T. Di Matteo, Dr T. Aste and Professor S.T. Hyde
Project: European Union (EU) Project: COST P10 "Physics of Risk"
Partner: Professor P. Richmond, Trinity College, Ireland

Professor G.D. Dracoulis
Project: High-K Isomers
Partners: Professor P.M. Walker, University of Surrey, UK; Dr F.G. Kondev, Argonne National Laboratory, USA

Project: High-K Isomers in Deformed Nuclei near Stability
Partners: Dr F.G. Kondev and Dr R. Janssens, Argonne National Laboratory, USA

Project: Laser Spectroscopy of Deformed Isomers
Partners: Dr J. Billowes, University of Manchester, UK; Professor J.A.R. Griffith, University of Birmingham, UK; Dr P. Dendooven, University of Jyväskylä, Finland

Professor G.D. Dracoulis and Dr T. Kibédi
Project: Nuclear Structure in the N = 74 Region
Partner: Dr A.M. Bruce, University of Brighton, UK

Professors G.D. Dracoulis, A.P. Byrne and Dr G.J. Lane
Project: Realistic Shell Model Calculations for Trans-lead Nuclei
Partner: Professor A. Covello, University of Naples, Italy

Project: Neutron Rich Trans-lead Nuclei Using Radioactive Beams
Partners: Professor P.M. Walker, University of Surrey, UK; Dr G. de France, Grand Accelerateur National d'Ions, Lourds, France

Professor G.D. Dracoulis, Dr G.J. Lane and Professor A.P. Byrne
Project: Spectroscopy of Neutron Deficient Lead and Thallium Nuclei
Partner: Dr A.O. Macchiavelli, Lawrence Berkeley National Laboratory, USA

Professor G.D. Dracoulis, Dr G.J. Lane, Professor A.P. Byrne and Dr T. Kibédi
Project: Shape Co-existence in Very Neutron-deficient Pb Nuclei
Partners: Dr J. Gerl, Gesellschaft für Schwerionenforschung, Germany; Dr A. Andreyev, University of Liverpool, UK

Professor R.G. Elliman
Project: Optical Gain in Silicon Nanocrystals
Partners: Professor P. Fauchet and Mr J. Ruan, University of Rochester, USA; Professor A. Polman, Foundation for Fundamental Research on Matter, Amsterdam, The Netherlands.

Project: Semiconductor Nanocrystal Memory Devices
Partners: Mr K.H. Cho, Professor W.-C. Yang and Professor H.Y. Cho, Dongguk University, Korea; Professor S.-H. Choi, Kyung Hee University, Korea; Dr C.J. Park, Dr J.H. Han and Dr C. Kim, Samsung Electronics, Korea

Project: Mechanical Properties of Silicon Nanostructures
Partners: Mr K.R. Virwani and Professor A.P. Malshe, University of Arkansas, USA; Professor D.K. Sood, Royal Melbourne Institute of Technology, Melbourne

Project: Ion Beam Modification of Carbon Nanostructures
Partner: Dr P. Papakonstantinou, University of Ulster at Jordanstown, Northern Ireland

Project: Ion Beam Mixing of Metallic Thin Films on Ceramic Substrates
Partner: Dr A. Balogh and Mr S. Gottschalk, Darmstadt University of Technology, Germany

Professor R.G. Elliman and Dr T.D.M. Dall
Project: Heavy-ion Beam Analysis of Materials
Partner: Dr H. Timmers, ADFA, University of New South Wales

Project: Silicon Based Photonic Devices and Structures
Partner: Professor J. Linnros, Royal Institute of Technology, Stockholm, Sweden; Dr J. Valenta, Charles University, Czech Repulic; Professor E. Krausz, Research School of Chemistry, Australian National University

Professor L.K. Fifield and AMS Group
Project: Dating of Marine Cores with Carbon-14
Partners: Dr P. De Deckker and Dr B. Opdyke, Department of Earth and Marine Sciences, Australian National University

Project: Measurement of Erosion Rates at a Range of Scales in the Australian Landscape Using *in situ* Produced ^{10}Be
Partner: Professor J. Chappell, Research School of Earth Sciences, Australian National University

Project: Landscape Evolution in the Southern Highlands Region of NSW Using ^{10}Be Deposited from the Atmosphere
Partner: Professor R. Wasson, Centre for Resource and Environmental Studies, Australian National University

Project: Studies of Meteorites Using Cosmogenic Isotopes
Partner: Professor G. Herzog, Rutgers University, USA

Project: Dating of Ice in Temperate-region and Polar Glaciers with ^{32}Si
Partners: Dr U. Morgenstern and Dr A. Zondervan, Geological and Nuclear Sciences, New Zealand

Project: Tracing Releases of Plutonium from Nuclear Processing Plants in Russia
Partners: Professor D. Oughton, Dr L. Skipperud and Dr O. Lind, Norwegian University of Life Sciences, Norway; Dr W. Standring, Norwegian Radiation Protection Authority, Norway

Project: Tracing of Groundwater Flow and Mixing in a Number of Australian Aquifer Systems
Partners: Dr R. Habermehl and Dr J. Kellett, Bureau of Rural Sciences; Dr R.G. Cresswell, CSIRO

Project: Tracing of Groundwater Flow in a Natural Analogue of a Nuclear Waste Repository Using ^{36}Cl
Partners: Dr Y. Mahara, Abiko Research Laboratory, Japan; Dr R. Habermehl, Bureau of Rural Sciences; Dr R.G. Cresswell, CSIRO

Project: Exposure Dating of Glacial Landforms in Scotland, and Lava Flows in Hawaii
Partners: Professor J. Stone, University of Washington, USA; Professor C. Ballantyne, University of St. Andrews, Scotland

Project: Calibration of the Cosmic-ray Production of Chlorine-36 on Iron in Surface Rocks
Partner: Professor J. Stone, University of Washington, USA

Project: Plutonium as a Tracer of Soil Movement
Partner: Dr G. Hancock, CSIRO Land and Water

Project: Plutonium Measurements by AMS at Low Energy
Partner: Dr L. Wacker, Eidgenössische Technische Hochschule Zürich, Switzerland

Project: S.E. Australian Coastal Rock Platforms – When and How Were They Found?
Partner: Professor J. Stone, Washington State University, USA

Mr R. Fischer
Project: Dark Soliton Interactions
Partner: Professor J. Hickmann, Universidade Federal de Alagoas, Brazil

Professor N.H. Fletcher
Project: The Acoustics of the Didjeridu
Partners: Associate Professor L. Hollenberg, Melbourne University; Professor J.Wolfe and Dr J. Smith, University of New South Wales

Project: Acoustics of Birdsong
Partners: Professor R.A. Suthers, Indiana University, USA; Dr T. Riede, Humboldt University, Germany; Dr G.J.L. Beckers, Leiden University, The Netherlands

Project: Flute Acoustics

Partner: Mr T. McGee, Australian Flutemaker, Canberra

Mr M. Fraser, Dr M. Gao, Dr L. Fu, Dr H.H. Tan and Professor C. Jagadish
Project: THz Spectroscopy of Compound Semiconductors
Partners: Dr M. Johnston and Dr L. Hertz, Oxford University, UK

Dr L. Fu and Professor C. Jagadish
Project: Analysis of Semiconductor and Insulating Thin Films by XPS
Partners: Dr B. Gong and Professor R. Lamb, University of New South Wales

Dr L. Fu, Dr H.H. Tan, Dr M. Buda and Professor C. Jagadish
Project: Optoelectronic Devices
Partner: Dr F. Karouta, Eindhoven University of Technology, The Netherlands

Mr Q. Gao, Ms P. Lever, Ms V.A. Coleman, Ms K. Stewart, Ms S. Mokkapati, Mr S. Barik, Dr L. Fu, Dr J. Wong-Leung, Dr M. Buda, Dr H.H. Tan and Professor C. Jagadish
Project: Optical Spectroscopy of Semiconductor Quantum Structures and Devices
Partners: Mr P. Reece, Dr B.Q. Sun, Dr M. Zhang and Professor M. Gal, University of New South Wales

Dr S.T. Gibson
Project: (ACCESS) Australian Centre for Enabling Molecular Sciences
Partners: Dr E. Bieske and Dr R. O'Hair, University of Melbourne; Dr M. Brunger and Dr W. Lawrance, Flinders University; Dr M. Buntine and Dr G. Metha, Adelaide University; Dr M. Collins, Research School of Chemistry, Australian National University; Dr J. Gascooke, Adelaide University; Dr P. Gill, Dr M. Jordan, Dr S. Kable, Professor L. Radom and Dr T. Schmidt, Sydney University; Dr D. McNaughton and Dr E. Robertson, Monash University; Dr B. Yates, University of Tasmania

Project: (NSAA) Photoabsorption Cross Sections in the Ultraviolet for Planetary Atmospheres Applications
Partners: Professor G. Stark, Wellesley College, USA; Dr P.L. Smith, Harvard-Smithsonian Center for Astrophysics, USA

Dr S.T. Gibson and Professor B.R. Lewis
Project: Remote Sensing of the Thermosphere.
Partner: Professor R.R. Meier, George Mason University, USA

Project: Photodissociation Mechanisms for Excited Electronic States of Molecular Nitrogen
Partners: Professor W. Ubachs, Vrije Universiteit, The Netherlands; Professor G. Stark, Wellesley College, USA; Professor H. Lefebvre-Brion, Université Paris-Sud, France

Dr M. Gulacsi
Project: Effects of Phonons on Magnetic Impurities
Partners: Dr A.R. Bishop, Los Alamos National Laboratory, USA; Dr A. Bussmann-Holder, Max-Planck Institute, Stuttgart, Germany

Project: Correlation Effects in Kondo Lattice Models
Partner: Dr I. McCulloch, Institute for Theoretical Physics, Aachen, Germany

Project: Stripe Formation in Two-Dimensional Lattices
Partner: Professor Zs. Gulacsi, University of Debrecen, Hungary

Project: Anomalous Properties of Elemental Actinides
Partners: Dr J.L. Smith and Dr M. Manley, Los Alamos National Laboratory, USA

Professor D.J. Hinde
Project: Fission Dynamics
Partner: Professor Y. Abe, Kyoto University, Japan

Professor D.J. Hinde and Dr M. Dasgupta
Project: Double Folding Calculation of Nuclear Potentials
Partner: Dr I.I. Gontchar, Omsk State Transport University, Russia

Project: Fusion of ^{16}O with ^{174}Yb
Partners: Dr F. Liang and Dr D. Schapira, Oak Ridge National Laboratory, USA

Project: Breakup and Fusion of Stable and Radioactive Nuclei
Partners: Dr M. Freer, University of Birmingham, UK; Professor. J. Tostevin, University of Surrey, UK; Dr K. Hagino, Tohoku University, Japan

Project: Dynamics of Nuclear Fusion
Partner: Dr K. Hagino, Tohoku University, Japan

Project: Fusion and Breakup in the Reaction of ^{9}Be with ^{144}Sm
Partner: Professor P. Gomes, University Fluminense, Brazil

Dr J. Howard
Project: Spectroscopic Studies of the Plasma Divertor in W7-AS
Partners: Dr R. König and Mr J. Chung, Max Planck Institute for Plasma Physics, Germany

Project: Coherence Imaging on RFX Reversed Field Pinch
Partner: Dr M. Valisa, Consorzio RFX, Padova, Italy

Project: Measurement of Electric Field in H-1NF Using Laser Induced Fluorescence Techniques
Partners: Professor B.W. James and Mr D. Anduczyk, University of Sydney

Professor S.T. Hyde
Project: Inorganic Self-assembly: Biomorph Growth
Partners: Dr J.M. Garcia-Ruiz, Granada University, Spain; Professor W. Kunz, Regensburg University, Germany

Project: Electron Tomography of Copolymer Mesophases

Partner: Professor H. Hasegawa, Kyoto University, Japan

Project: Crystalline Networks and Tiling Theory
Partner: Professor M. O'Keeffe, Arizona State University, USA

Project: Tricontinuous Morphologies for Mikto-arm Copolymers
Partner: Dr C. Oguey, Université Cergy-Pontoise, France

Project: Topological Analysis of Protein Folds
Partner: Dr Y. Nagai, Kokushikan University, Japan

Project: Cubic Membranes in Vivo
Partner: Dr Y. Deng, National University of Singapore, Singapore

Dr R.A. Jarvis
Project: e-beam Irradiation of Chalcogenide Films
Partner: Dr S. Garcia Blanco, University of Toronto, Canada

Project: Raman Spectroscopy of Chalcogenide Films
Partner: Professor K. Richardson, University of Central Florida, USA

Dr A.S. Kheifets
Project: Convergent Close-coupling Theory of Double Ionization by Photon and Electron Impact
Partner: Dr I. Bray, Murdoch University

Project: Electron Impact Double Ionization of the Helium Atom
Partner: Dr A. Dorn, Max-Planck Institute for Nuclear Physics, Germany

Project: Theoretical and Experimental Studies of Double Photoionization of He and H_2
Partner: Dr L. Avaldi, Consiglio Nazionale delle Ricerche, Italy

Project: Theory of Electron Correlations in Solids
Partner: Dr F. Aryasetiawan, Research Institute for Computational Sciences, Japan

Dr T. Kibédi and Professor G.D. Dracoulis
Project: Internal Conversion Electron Spectrosopy of 0^+ States
Partners: Dr S. Yates, University of Kentucky, USA; Dr P. Garrett, Lawrence Livermore Laboratory, USA; Dr R. Julin, University of Jyväskylä, Finland

Project: Tables of Prolate Deformed Nuclear K-isomers
Partner: Dr F.G. Kondev, Argonne National Laboratory, USA

Dr T. Kibédi and Dr P.M. Davidson
Project: Theoretical Conversion Coefficients and EO Electronic Factors

Partners: Dr T.W. Burrows, Brookhaven National Laboratory, USA; Dr M.T. Trzhaskovskaya, Petersburg Nuclear Physics Institute, Russia; Dr C.W. Nestor, Jr., Oak Ridge National Laboratory, USA

Professor Yu.S. Kivshar
Project: Discrete Solitons in Waveguide Arrays
Partner: Professor M. Molina, University of Chile, Chile

Project: Applications of the Frenkel-Kontova Model
Partner: Professor O. Braun, Institute of Physics, Kiev, Ukraine

Project: All-optical Circuits in Onlinear Photonic Crystals
Partner: Dr S. Mingaleev, University of Central Florida, USA

Professor Yu.S. Kivshar and Dr A.E. Miroshnichenko
Project: Engineering Fano Resonances in Nonlinear Systems
Partner: Dr S. Flach, Max Plank Institute for Complex Systems, Germany

Professor Yu.S. Kivshar and Dr I.V. Shadrivov
Project: Nonlinear Surface Waves in Left-handed Metamaterials
Partner: Professor A. Boardman, University of Salford, UK

Project: Goos-Haenchen Effect in Slabs of Metamaterials
Partner: Professor R. Ziolkowski, University of Arizona, USA

Professor Yu.S. Kivshar and Dr A.A. Sukhorukov
Project: Parametric Optical Conversion Due to Cascaded Nonlinearities
Partner: Professor S.M. Saltiel, University of Sofia, Bulgaria

Project: Stability Analysis of Solitary Waves
Partner: Professor D.E. Pelinovsky, McMaster University, Canada

Project: Discrete Solitons in Waveguide Arrays
Partners: Professor R. Morandotti, University of Quebec, Canada; Professor S. Aitchison, University of Toronto, Canada; Professor Y. Silberberg, Weizmann Institute of Technology, Israel

Project: Incoherent Gap Solitons
Partners: Dr K. Motzek and Professor F. Kaiser, Darmstadt University of Technology, Germany

Dr P. Kluth and Dr S. Kluth
Project: Defects and Diffusion in Si-Nanostructures
Partners: Professor S. Mantl, Dr J. Moers and Dr Q.-T. Zhao, Forschungszentrum Jülich, Germany

Professor W. Krolikowski
Project: Optical Beams in Nonlocal Nonlinear Media

Partners: Professor O. Bang, Technical University, Denmark; Professor J. Wyller, Norway Agricultural University, Norway; Professor J. Rasmussen, Riso National Laboratory, Denmark

Project: Localised Structure in Second Harmonic Generation
Partner: Professor M. Saffman, Univeristy of Wisconsin, USA

Project: Modulational Instability in Photorefractive Media
Partner: Professor Mark Saffman, University of Wisconsin, USA

Project: Photorefractive Solitons
Partner: Professor C. Denz, University of Münster, Germany

Project: Discrete Solitons
Partner: Professor F. Lederer, University of Jena, Germany

Project: No Local Solitons
Partner: Professor A. Dreischuh, University of Sofia, Bulgaria

Project: Soliton Effects in Optical Lattices.
Partner: Professor M. Trippenbach, Warsaw University, Poland

Project: Singular Optics
Partner: Professor A. Volyar, Taurida National University, Ukraine

Dr G.J. Lane, Professor G.D. Dracoulis and Professor A.P. Byrne
Project: High-spin States and Shell Model Structure of Neutron-rich Nuclei near ^{208}Pb
Partners: Professor R. Broda and Dr B. Fornal, Niewodniczanski Institute of Nuclear Physics, Poland; Professor K.-H. Maier, Hahn-Meitner-Institut, Germany

Project: Octupole Correlations and Particle Alignments in Neutron-rich Uranium Nuclei
Partners: Professor R. Broda and Dr B. Fornal, Niewodniczanski Institute of Nuclear Physics, Poland; Dr S. Zhu, Professor R.V.F. Janssens and Dr M. Carpenter, Argonne National Laboratory, USA; Dr A.O. Macchiavelli and Dr D. Ward, Lawrence Berkeley National Laboratory, USA

Ms P. Lever, Dr H.H. Tan and Professor C. Jagadish
Project: Optical Spectroscopy of Quantum Dots
Partner: Professor J. Wolter, Eindhoven University of Technology, The Netherlands

Professor J.D. Love
Project: Scanning Near-field Optical Microscopy
Partners: Dr S. Huntington and Dr B. Gibson, University of Melbourne; Dr V. Steblina, VA FutureTech Consulting Pty Ltd, Sydney

Project: Propagation in Practical Multimode Fibres and Devices
Partners: Professor D. Abrahams and Dr E. Perrey-Debain, University of Manchester, UK

Project: Undergraduate Text Book on Optical Fibres, Waveguides and Devices
Partners: Associate Professor F. Ladouceur, University of New South Wales; Dr F.P. Payne, University of Oxford, UK

Professor J.D. Love and Dr A. Ankiewicz
Project: Multimode Waveguides and Devices
Partner: Redfern Polymer Optics

Dr J.C.A. Lower
Project: Electron-impact-induced Ionization of Heavy Atoms
Partner: Professor D. Madison, University of Missouri-Rolla, USA

Project: Measurement of Multi-particle Fragmentation Processes
Partner: Dr A. Dorn, Max-Planck-Institute for Nuclear Physics, Germany

Project: Spin Effects in Inner Shell Atomic Ionization
Partner: Professor C.T. Whelan, Old Dominion University, USA

Project: Electron Impact-induced Ionization/Excitation of Helium
Partner: Professor K. Bartschart, Drake University, USA

Professor B. Luther-Davies
Project: Highly Oriented Nanostructures of Nonlinear Optical Materials for Applications in Polarized Light Emitting Diodes and Optical Devices.
Partner: Dr H.B. Schulz, Potsdam University, Germany

Professor B. Luther-Davies and Professor W. Krolikowski
Project: Centre of Excellence for Ultrahigh Bandwidth Devices for Optical Systems
Partners: University of Sydney; Macquarie University; University of Technology, Sydney; Swinburne University of Technology; NSW State Government through Department of State and Regional Development; CSIRO; Osaka University, Japan; University of Central Florida, USA; Lucent Technologies, USA; Institut Fresnel, France

Professor B. Luther-Davies and Ms A. Smith
Project: Production of Bulk Samples of Novell Chalcognide Glasses
Partner: Professor K. Richardson, University of Central Florida, USA

Professor N.B. Manson and Dr M. Sellars
Project: Quantum Computing Using the Nitrogen-vacancy Centre in Diamond
Partners: Professor M. Scully and Professor P. Hemmer, T & M University, USA, Dr D. Pulford, DSTO, Canberra; Professor S. Prawer, University of Melbourne

Mr A. Matthews
Project: Microexplosion Fabrication of Photonic Crystals
Partners: Dr G. Zhou and Professor M. Gu, Swinburne University

Dr F.P. Mills
Project: Photochemical Modeling of the Venus Middle Atmosphere
Partners: Dr M. Allen, NASA Jet Propulsion Laboratory, USA; Professor Y.L. Yung, California Institute of Technology, USA

Project: Excited State Oxygen Chemistry in the Venus Atmosphere
Partner: Dr T. Slanger, SRI International, USA

Project: Ultraviolet Characterization and Remote Sensing of Aerosols
Partners: Dr A. Eldering and Dr O. Kalashnikova, NASA Jet Propulsion Laboratory, USA; Dr D. Anderson and Dr B. Forgan, Bureau of Meteorology; Dr R. Mitchell, CSIRO

Project: Analysis and Modeling of OH Column Abundances
Partners: Dr S.P. Sander, Dr R.P. Cageao, and Dr M. Allen, NASA Jet Propulsion Laboratory, USA; Professor Y.L. Yung, California Institute of Technology, USA

Dr D.N. Neshev
Project: Optical Solitons and Vortices
Partner: Professor A. Dreischuh, Sofia University, Bulgaria

Project: Topological Transformation of Discrete Vortices
Partner: Professor Z. Chen, San Francisco State University, USA

Project: Nonlocal Dark Solitons
Partner: Professor O. Bang, Technical University of Denmark, Denmark

Dr C. Neto
Project: Fingering Instability in Thin Liquid Films
Partner: Professor K. Jacobs, Saarland University, Germany

Project: Characterisation of Magnetic Nanoparticles
Partners: Dr M. Bonini and Professor P. Baglioni, University of Florence, Italy

Project: Model for Boundary Slip in Newtonian Liquids
Partner: Dr J. Sader, University of Melbourne

Dr E. Ostrovskaya and Ms B. Dabrowska
Project: Finite Temperature Effects in the Dynamics of Bose-Einstein Condensates in Optical Lattices
Partners: Dr M. Davis and Dr A. Bradley, University of Queensland

Dr M.C. Ridgway, Dr C.J. Glover and Dr S. Kluth
Project: EXAFS Characterisation of Amorphous Semiconductors
Partners: Dr G. de Azevedo, Laboratorio Nacional de Luz Sincrotron, Brazil; Dr K.M. Yu, Lawrence Berkeley National Laboratory, USA; Dr G.J. Foran, ANSTO

Project: Formation of Dilute $GaAs_xN_{1-x}$ and $Ga_xMn_{1-x}As$ Alloys by Ion Implantation
Partners: Dr O. Dubon, University of California at Berkeley, USA; Dr K.M. Yu, Lawrence Berkeley National Laboratory, USA

Project: Laser Annealing of Ion-implanted Semiconductors
Partner: Professor M. Rao, George Mason University, USA

Dr M.C. Ridgway, Dr R. Dogra and Professor A.P. Byrne
Project: Pd-defect and Pd-dopant Characterisation with Perturbed Angular Correlation
Partner: Dr R. Vianden, University of Bonn, Germany

Dr M.C. Ridgway and Professor J.S. Williams
Project: Nanocavity Evolution in Si under Ion Irradiation
Partners: Professor H. Bernas, Dr M.-O. Ruault and Dr F. Fortuna, Centre National de Recherché Scientifique, France

Dr M.C. Ridgway, Dr C.J. Glover and Dr P. Kluth
Project: EXAFS Characterisation of Semiconducting and Metallic Nanocrystals
Partners: Dr G. de Azevedo, Laboratorio Nacional de Luz Sincrotron, Brazil; Dr G.J. Foran, ANSTO

Dr M.C. Ridgway, Dr S. Kluth and Dr C.J. Glover
Project: Implantation-induced Amorphisation of Ternary Semiconductors
Partner: Professor W. Wesch, Friedrich-Schiller University, Germany

Dr B.A. Robson
Project: Antiproton Scattering
Partner: Professor Y.S. Zhang, Institute of High Energy Physics, P.R. China

Project: Deutron-deuteron Elastic Scattering
Partner: Professor Y.S. Zhang, Institute of High Energy Physics, P.R. China

Project: Fusion
Partners: Dr B. Giraud, Service de Physique Theorique, CEA Sacaly, France; Dr K.A. Amos and Dr S. Karataglidis, University of Melbourne

Professor R.E. Robson
Project: Low Energy Charged Particles in Atomic and Molecular Gases
Partner: Professor M. Morrison, University of Oklahoma, USA

Project: Electron and Positron Transport in Gaseous and Condensed Matter
Partner: Dr R.D. White, James Cook University

Dr A.V. Rode
Project: Characterization and Analysis of Ultrashort Laser-matter Interaction at Low and Medium Laser Intensities

Partners: Laboratoire d'Optique Appliqué, Palaiseau, France; Centre Lasers Intenses et Applications, Bordeaux, France; The Lasers, Plasmas, and Photonic Processes Laboratory, University Aix Marseille-II, France

Project: 100-W Laser System for Ultra-fast Pulsed Laser Deposition
Partners: Dr J. Giesecus and Mr M. Duering, Fraunhofer Institute for Laser Technique, Germany

Project: Boron Nitride Nanostructures Formed by the High Repetition-rate Laser Ablation
Partners: Dr D. Golberg and Professor Y. Bando, National Institute for Material Science, Japan

Project: Magnetic Properties of Laser-deposited Carbon Nanofoam
Partners: Dr J. Giapintzakis, Foundation for Research and Technology-Hellas, Greece; Dr D. Tomanek, Michigan State University, USA

Project: Sub-picosecond Laser Deposition of Optical Films
Partner: Professor B.N. Chickov, Laser Zentrum Hannover e.V., Germany

Project: Recording and Reading of Three-dimensional Memory in Glasses
Partners: Professor H. Mizawa and Dr S. Juodkazis, University of Tokyshina, Japan

Project: Structural Characterisation of Carbon Nanoclusters
Partner: Professor D. Gomberg, National Institute for Materials Science, Japan

Project: Electronic and Magnetic Properties of Carbon Nanostructures Produced by Laser Ablation
Partner: Professor D. Arcon, University of Ljubljana, Slovenia

Project: Structural Investigation of Carbon Nanofoam
Partner: Associate Professor D. McCulloch, Royal Melbourne Institute of Technology

Dr A. Samoc
Project: Investigations of Second-order Nonlinear Optical Effects in Polymer Films
Partners: Dr A. Holland and Dr A. Mitchell, Royal Melbourne Institute of Technology

Project: SHG Monitoring of Dipolar Orientation and Relaxation in Disperse Red Type/Derivative Urethane-urea Copolymer
Partners: Dr M. Tsuchimori and Dr O. Watanabe, Toyota Central R & D Laboratories, Japan

Project: Orientation of Nonlinear Optical Chromophores in Polymer Fibres Investigated in Hyper-Rayleigh Scattering Geometry Using Femtosecond Pulses
Partner: Dr M. S. Wong, Baptist University of Hong Kong, Hong Kong

Project: Induced and Permanent Second-order Nonlinear Optical Effects in Molecular Materials
Partner: Professor S. Schrader, Wildau Technical University, Germany

Dr A. Samoc and Dr M. Samoc
Project: Crystal Structure of the Second Order Nonlinear Optical Addition Complex AsI_3*3S_8"

Partners: Dr E.R. Krausz and Dr A.C. Willis, Research School of Chemistry, Australian National University

Dr A. Samoc, Dr M. Samoc and Professor B. Luther-Davies
Project: Nonlinear Optical Properties of Soluble Oligomers of PPV
Partner: Dr M.S. Wong, Baptist University, Hong Kong

Project: Third-order Optical Nonlinearities of Oligomers, Dendrimers and Polymers Derived from Solution Z-scan Studies
Partner: Dr M. Humphrey, Department of Chemistry, Australian National University

Project: Synthesis and Third-order Nonlinear Optical Properties of End-functionalized Oligophenylenevinylenes
Partner: Dr M.S. Wong, Baptist University, Hong Kong

Dr M. Samoc
Project: Nonlinear Optics and Nanophotonics
Partner: Professor P.N. Prasad, State University of New York at Buffalo, USA

Project: Nonlinear Properties of Evaporated Films of Disperse Red
Partner: Professor M.O. Tjia, Bandung Institute of Technology, Indonesia

Dr M.G. Shats
Project: Two-dimensional Turbulence
Partner: Professor J. Soria, Monash University

Project: Confinement Studies in Stellarators
Partner: Professor K. Toi, National Institute for Fusion Science, Japan

Project: Turbulent Structures and Transport in Plasmas
Partner: Dr D. Rudakov, University of California at San Diego, USA

Ms K. Stewart, Dr L. Fu, Dr M. Buda, Dr H.H. Tan and Professor C. Jagadish
Project: Tuning of Detection Wavelength of Quantum Dot Infrared Photodetectors
Partners: Dr A. Stiff-Roberts and Professor P. Bhattacharya, University of Michigan, USA

Dr M. Sellars and Dr J. Longdell
Project: Investigation of EIT and Slow Light
Partner: Professor P. Hemmer, Texas A & M, USA

Dr I.V. Shadrivov
Project: Left-handed Metamaterials
Partners: Professor A.A. Zharov, Dr N.A. Zharova, Dr A.N. Reznik and Dr M. Gorkunov, Russian Academy of Sciences, Russia; Professor S.A. Gredeskul, Ben-Gurion University, Israel

Dr A.E. Stuchbery

Project: Shell Model Configurations in the 2^+_1 State in ^{46}Ca from a g-factor Measurement
Partners: Dr M.J. Taylor, University of Brighton, UK; Professor N. Benczer-Koller, Rutgers University, USA; Dr L. Bernstein, Lawrence Livermore National Laboratory, USA; Dr M.A. McMahan, Lawrence Berkeley National Laboratory, USA; Professor K.-H. Speidel, Universität Bonn, Germany

Project: g-factor Measurements of First 2^+ States of Heavy Te Isotopes Based on Nuclear Spin Deorientation for Nuclei Recoiling in Vacuum
Partners: Dr M. Danchev and Professor C.R. Bingham, University of Tennessee, USA; Professor N.J. Stone, Dr J.R. Stone and Ms C.L. Timlin, University of Oxford, UK; Dr J. Pavan, Dr C. Baktash, Dr J. Beene and Dr D.C. Radford, Oak Ridge National Laboratory, USA; Professor N. Benczer-Koller and Dr G. Kumbartzki, Rutgers University, USA; Professor N.V. Zamfir, Yale University, USA

Project: First Nuclear Moment Measurement with Radioactive Beams by the Recoil-in-vacuum Technique: The g Factor of the 2_1^+ State in ^{132}Te
Partners: Professor N.J. Stone, Dr J.R. Stone and Ms C.L. Timlin, University of Oxford, UK; Dr J. Pavan, Dr C. Baltash, Dr J. Beene and Dr D.C. Radford, Oak Ridge National Laboratory, USA; Dr M. Danchev and Professor C.R. Bingham, University of Tennessee, USA; Professor N. Benczer-Koller and Dr G. Kumbartzki, Rutgers University, USA; Dr C. Barton and Professor N.V. Zamfir, Yale University, USA; Dr J. Dupak, Institute of Scientific Instruments, Czech Republic

Project: Nuclear g Factors and Structure of High-spin Isomers in ^{190,192,194}Pt and ^{196,198}Hg
Partner: Dr A.I. Levon, Institute for Nuclear Research, Kiev, Ukraine

Dr A.E. Stuchbery and Professor A.P. Byrne
Project: Hyperfine Interactions Spectrometer
Partners: Associate Professor D.H. Chaplin, ADFA, University of New South Wales; Professor H.H. Bolotin, University of Melbourne

Dr A.E. Stuchbery and Dr A.N. Wilson
Project: Electron-configuration-reset-time-differential Recoil-in-vacuum Technique for Excited-state g-factor Measurements on Fast Exotic Beams
Partner: Professor P.F. Mantica, Michigan State University, USA

Dr A.E. Stuchbery, Dr A.N. Wilson and Dr P.M. Davidson
Project: Transient Fields for Mg Ions Traversing Gadolinium Hosts at Velocities above and below the K-shell Electron Velocity
Partners: Professor P. F. Mantica and Dr T.J. Mertzimekis, Michigan State University, USA

Project: Excited-state Configurations in ^{38}S and ^{40}S through Transient-field g-factor Measurements on Fast Fragments. (NSCL Experiment 02020)
Partners: Professor P.F. Mantica, Professor A.D. Davies and the NSCL Beta-NMR and Gamma Groups, Michigan State University, USA

Project: Gyromagnetic Ratios in ^{134}Te and ^{136}Te by the Recoil In Vacuum (RIV) Technique

Partners: Dr M. Danchev, University of Tennesee, USA; Dr C. Baktash and the Holfield Radioactive Ion Beam Facility RIV g-factor Collaboration, Oak Ridge National Laboratory, USA

Dr A. Sukhorukov
Project: Discrete Self-trapping and Wave Transport
Partners: Dr S.V. Dmitriev, University of Tokyo, Japan; Professor P.G. Kevrekidis, University of Massachusetts, USA

Dr J.P. Sullivan
Project: Positron Processes in Materials Science and AMO Physics
Partners: Professor C. Surko and Professor T. Rescigno, University of California at Berkeley, USA; Dr Y. Nagai, Tohoku University, Japan

Project: Positron Materials Beamline
Partner: Dr A. Hill, CSIRO

Dr H.H. Tan and Professor C. Jagadish
Project: Growth of InP-based Photodiodes and Photodetectors
Partner: Professor J. Campbell, University of Texas at Austin, USA

Project: Thermionic Cooling in Semiconductors
Partner: Professor R. Lewis, University of Wollongong

Dr M. Vos
Project: Theory of Spectral Function of Solids
Partner: Dr F. Aryasetiawan, University of Tsukuba, Japan

Project: Quantum Entanglement of Protons
Partner: Professor Dr C.A. Chatzidimitriou-Dreismann, Technische Universiät Berlin, Germany

Project: Electronic Structure of the Si-Cu Interface Studied by EMS
Partner: Ms K. Nixon, Flinders University

Project: Elastic Scattering of Methane
Partner: Dr G. Cooper McMaster, University of Hamilton, Canada

Dr A.N. Wilson
Project: High-spin States in Nuclei with A=120 near the Proton Dripline
Partner: Dr J.F. Smith, Manchester University, UK

Dr A.N. Wilson and Dr P.M. Davidson
Project: Decay out of Superdeformed Bands in a Two-level Mixing Model
Partner: Professor B.R. Barrett, University of Arizona, USA

Project: Decay out of Superdeformed Bands
Partners: Dr A.J. Sargeant and Professor M.S. Hussein, Universidade de Sao Paulo, Brazil

Dr A.N. Wilson, Dr P.M. Davidson, Professor G.D. Dracoulis and Professor A.P. Byrne
Project: Superdeformation in Po Isotopes
Partners: Dr R.A. Bark and Professor J.F. Sharpey-Schafer, iThemba Laboratories, South Africa; Professor H. Hübel and Dr S. Chmel, Universität Bonn, Germany; Dr R. Julin, Dr J. Uusitalo and Dr P.M. Jones, University of Jyväskylä, Finland

Dr A.N. Wilson, Dr P.M. Davidson, Professor G.D. Dracoulis, Professor A.P. Byrne and Dr G.J. Lane
Project: Superdeformed ^{196}Pb
Partners: Professor H. Hübel and Dr A.K. Singh, Universität Bonn, Germany; Dr A. Korichi, Université Paris-Sud, Orsay, France

Dr J. Wong-Leung
Project: Ion Implantation and Defect Studies in Silicon Carbide
Partners: Professor B.G. Svensson, University of Oslo, Norway; Dr M. Linnarson, Royal Institute of Technology, Sweden; Professor David Cockayne, University of Oxford, UK

Dr J. Wong-Leung, Dr H.H. Tan, Dr M. Gao, Ms V.A. Coleman, Professor J.S. Williams and Professor C. Jagadish
Project: Electron Microscopy Study of Defects in Ion Implanted Semiconductors
Partners: Dr J. Zou, University of Queensland; Dr J. Fitzgerald, Research School of Earth Sciences, Australian National University; Professor D.J.H. Cockayne, Oxford University, UK

Dr W.S. Woolcock
Project: The Pion-nucleon System at Low Energies
Partners: Dr E. Matsinos, Varian Medical Systems, Switzerland; Professor G.C. Oades, Aarhus University, Denmark; Professor G. Rasche, University of Zürich, Switzerland