



*Professor Neil Manson -
Associate Director (Students)*

Introduction

The School has a significant commitment to postgraduate training. In 2002 we had a total of 86 PhD students, including continuing students and those completing their thesis. A total of 12 postgraduate students (including one MPhil student) commenced their program of study during the year, six of those being women.

The School, in co-operation with the ANU Graduate School, organised various activities aimed at assisting postgraduate students and broadening their education. An introductory seminar for new students was provided and various tours of the School facilities and the Department of Physics, The Faculties, were conducted. The students also met at several social functions.

Several student prizes were presented at Founder's Day on the 4th of October:

The Director's Prize, for the most outstanding published research paper by a PhD student over the last year, was awarded to Wayne Solomon of the Plasma Research Laboratory, for his leading contribution in "Nonambipolarity of Fluctuation Driven Fluxes and its Effect on the Radial Electric Field" in *Physical Review Letters* 87 (2001) 195003-1-4.

The Graduate Program in Physical Sciences ran a seminar competition for the ninth year. Eight talks were presented by postgraduates from this School and The Faculties, with the sessions chaired by students. The winners were announced at the conclusion of the program and the prizes were presented at Founder's Day.

The winner of the John Carver Prize for best talk at the Graduate Student Seminar Series was:

Vanessa Leung, Atomic and Molecular Physics Laboratory, for her talk entitled "BEC Soliton Trains – Engineering Coherent Matter Wavepackets".

Winner of the Director's Award was:

Megan O'Mara, Department of Theoretical Physics, for her talk entitled "From Function to Structure: Reverse-engineering a Model for the Glycine Receptor".

Winner of the Dean's Award was:

Tim Dean, Australian Defence Force Academy, for his talk entitled "Properties of Biotic Targets observed with an X-band Radar Profiler and the Potential for Bias in Winds retrieved from Doppler Weather Radars".

The staff of the School also make significant contributions to undergraduate education by offering a broad range of courses to enrich the undergraduate teaching program. These courses are offered in The Faculties; in the Physics, Engineering and Chemistry Departments. Also, to provide wider opportunities for ANU undergraduates at research level, the School has in recent years offered honours projects and many undergraduates have taken up this opportunity. The School supports this program by offering honours year scholarships of which there were three in the current year. It was also pleasing to note that three students who held either vacation scholarships, honours scholarships or were visiting scholars in 2001 have continued and enrolled as PhD students in the School in 2002.

An increasing number of international and interstate visiting scholars, 39 and 32, respectively, spent three months to one year in various departments for the purpose of training and research in 2002.

Degrees Awarded and Destinations

This list includes all students who have graduated (Dr) or completed all requirements to meet the Degree for either PhD or MSc.

Electronic Materials Engineering

Dr Stephanie Cheylan

Thesis: *Optical Properties of Silicon Nanocrystals*

Currently: Institute of Photonic Sciences, Spain

Dr Michael Cohen

Thesis: *Vertical Cavity Surface Emitting Lasers – Processing and Characterisation*

Currently: Department of Defence, Commonwealth Government, Canberra

Dr Sergei Kucheyev

Thesis: *Ion-Beam Processes in Group-III Nitrides*

Currently: Lawrence Livermore National Laboratory, USA

Laser Physics Centre

Dr Andrew Windsor

Thesis: *A Study of the Transition at the Rabi Frequency in the Driven Two Level Atom*

Currently: Commonwealth Government, Canberra

Nuclear Physics

Dr Annette Berriman

Thesis: *Investigating Entrance Channel Effects in Fusion-Fission Dynamics*

Currently: Department of Foreign Affairs and Trade, Commonwealth Government, Canberra

Dr Jodie Evans

(jointly with RSES)

Thesis: *Calibration of the Production Rates of Cosmogenic ^{36}Cl from Potassium*

Currently: Department of Defence, Commonwealth Government, Canberra

Dr Martyn Robinson

Thesis: *Perturbed Gamma-Gamma Correlations from Oriented Nuclei and Moment Measurements in Neutron-Deficient Platinum Nuclei*

Currently: St Bartholomew's Hospital and the London NHS Trust, UK

Plasma Research Laboratory

Dr Keith Gaff (jointly with AM)

Thesis: *Investigations Pertaining to the Design and Fabrication of a Planar Waveguide Add/Drop Wavelength Filter*

Currently: LAM Research Corporation, USA

Mr Rhys Hawkins

MSc Thesis: *Digital Stereo Video: Display, Compression and Transmission*

Currently: Mathematical and Information Sciences, CSIRO

Dr Wayne Solomon

Thesis: *Turbulence and Transport Studies in Magnetically Confined Plasmas*

Currently: Plasma Physics Laboratory, Princeton University, USA



Theory Cluster

Applied Photonics Group & Nonlinear Physics Group

Dr Andrey Sukhorukov

Thesis: *Spatial Solitons and Guided Waves in Multicomponent and Periodic Optical Systems*
Currently: Director's Unit, RSPHysSE

Dr Keith Gaff

(jointly with PRL)

Thesis: *Investigations Pertaining to the Design and Fabrication of a Planar Waveguide add/drop Filter*
Currently: LAM Research Corporation, USA

Ms Ruth Jarvis

Thesis: *Photosensitive Optical Waveguide Devices and Materials*
Currently: Laser Physics Department, RSPHysSE

Theoretical Physics

Dr Alex Khorev

Thesis: *The Concept of Approximate Action-Angle Variables for Nonintegrable Hamiltonian Dynamics*
Currently: Faculty of Science, Australian National University

Dr Ian McCulloch

Thesis: *Collective Phenomena in Strongly Correlated Electron Systems*
Currently: Lorentz Institute, Netherlands

Dr Anthony Hibberd

Thesis: *Yang-Baxter Relations in Conformal Field Theory*
Currently: Defence Science and Technology Organisation



Staff and Students of the Applied Photonics and Nonlinear Physics Groups, celebrate the submission of Andrey Sukhorukov's thesis *Spatial Solitons and Guided Waves in Multicomponent and Periodic Optical Systems*



Postgraduate Students

Sources of Funding:

ADFA Australian Defence Force Academy
 ASS ANU Supplementary Scholarship
 ANUPS Australian National University Postgraduate Scholarship
 ANUPTS Australian National University Postgraduate and Tuition Fee Scholarship
 APA Australian Postgraduate Award
 APA(I) Australian Postgraduate Award (Industry)
 CRC Cooperative Research Centre
 CSIRO Supported by the Commonwealth Scientific & Industrial Research Organisation
 GSS Graduate School Scholarship
 IPRS International Postgraduate Research Scholarship
 SPIRT ARC SPIRT Grant
 RMIT Royal Melbourne Institute of Technology
 VC Vice Chancellor's Supplementary Scholarship
 WS RSPHysSE Supplementary Scholarship for Women

The lists include first year students who were not enrolled for the full year and continuing students who have not yet graduated.

Applied Mathematics

Mr Ira Cooke, BSc JCU, APA/ASS
 Mr Scott Edwards, BSc, Cert. of Adv. Studies, Tripos Cambridge, APA/ASS
 Mr Drew Evans, BSc, ANUPS/ASS
 Ms Lydia Knüfing, BSc Wuppertal, ANUPS
 Mr Ray Roberts, BSc, CRC
 Mr Mohammud Saadatfar, BSc Mazandaran MSc IASBS, ANUPTS
 Mr Gerd Schröder, Dipl Phys Cologne, ANUPS/IPRS
 Mr Michael Turner, BSc Canberra, APA/ANUPS/ASS

Atomic and Molecular Physics Laboratories

Mr Ivan Blajer, BSc Melb, ANUPS (jointly with LPC)
 Mr Massimiliano Colla, MSc Pisa, IPRS/ANUPS (jointly with LPC)
 Mr Robert Dall, BSc CQld, APA/ASS (jointly with LPC)
 Ms Milica Jelisavcic, BSc Belgr, ANUPTS
 Ms Vanessa Leung, BSc Massey, ANUPS/GSS/ASS (jointly with LPC)
 Mr Edward Roberts, BE BSc NSW, MBA Deak, APA/ASS
 Mr James Swansson, BA MSc Melb, APA/ANUPS/ASS (jointly with LPC)
 Ms Linda Uhlmann, BAppSci CQld, APA/ASS
 Ms Kylie Waring, BSc Mon, APA (jointly with LPC) (until March)

Electronic Materials Engineering

Ms Jodie Bradby, BAppSci RMIT, APA(I) Australian Scientific Instruments (until November)
 Mr David Brett, BSc Melb, ANUPS (from February)
 Ms Christine Carmody, BSc UNSW, APA/CSIRO
 Ms Victoria Coleman, BSc Flinders, APA/ASS (from April)
 Mr Michael Gao, BE ME Northeastern China, IPRS/ANUPS
 Mr Paulus Gareso, BSc Hasanuddin, MSc Macquarie, AusAID (from July)

Ms Jillian Hay, BE Canterbury, ANUPS
Mr Ali Khalil, BSc MSc Cairo, ANUPS
Mr Sergei Kucheyev, MPh St. Petersburg, OPRS/ANU (until April)
Ms Penelope Lever, BE Canterbury, ANUPS/GSS/ASS
Mr Nat Smith, BSc, ANUPS
Mr Marc Spooner, BSc Ottawa, MSc Western Ontario, ANUPTS
Ms Kallista Stewart, BSc BE, ANUPS/GSS (from August)
Ms Tessica Weijers, BSc BAPSc QUT, APA/VC/WS (jointly with NP)
Mr Andrew Wilkinson, BE BSc, APA/ASS (from March)

Laser Physics Centre

Mr Ivan Blajer, BSc Melb, ANUPS (joint with AMPL)
Mr Massimiliano Colla, MSc Pisa, IPRS/ANUPS (jointly with AMPL)
Mr Robert Dall, BSc CQLD, APA/ASS (jointly with AMPL)
Mr Tim Dyke, BSc Monash, APA (until August)
Mr Elliot Fraval, BE BSc UC, ANUPS
Ms Joanne Harrison, BSc Adelaide, BSc, APA/ASS (from February)
Mr Vesselin Kolev, Eng-Phys Plovdiv, GSS/ASS (until October)
Ms Vanessa Leung, BSc Massey, ANUPS (jointly with AMPL) (until October)
Mr Jevon Longdell, BSc Waikatao, MSc Auck, ANUPS/GSS/ASS
Mrs Lily Luo, BSc Nanchang, ANUPS/APA/ASS (from March)
Mr Glen McCarthy, BSc Dip Ed UNSW, ANUPS
Mr Joseph Morrall, BSc, ANUPS/ASS (from July)
Ms Eleni Notaras, BA BSc, Redfern Polymer Optics
Ms Yinlan Ruan, BSc MSc HUST China, ANUPTS
Mr Darryl Scott, BSc Wollongong, ANUPS
Mr James Swansson, BA BSc MSc Melb, APA/ANUPS/ASS (jointly with AMPL)
Ms Snjezana Tomljenovic-Hanic, BSc Belgrade, APA(I)/ADC Telecommunications Australia Pty Ltd (jointly with DU)
Ms Kylie Waring, BSc Monash, APA (jointly with AMPL)
Ms Elena Wilson, BSc Vitebsk State, ANUPS

Nuclear Physics

Ms Rachel Butt, BSc, APA/VC
Ms Laura Gladkis MSc UBA Argentina, ANUPS (from June)
Ms Judith Hazel, BSc DipSci MSc Otago, ANUPS
Mr Tom McGoram, BSc MSc Auckland, APA (until November)
Ms Tessica Weijers, BSc BAPSc QUT, APA/VC/WS (jointly with EME) (until September)

Plasma Research Laboratory

Ms Vicky Au, BA BSc Melb, ANUPS (jointly with DU)
Mr Scott Collis, BSc Syd, ANUPS
Mr Fenton Glass, BSc Qld, ANUPS
Mr Peter Linardakis, BE/BIT, APA/ASS
Mr Liviu Lungu, MSc Polytech Bucharest, SPIRT
Mr Ben McMillan, BSc Melb, APA (jointly with TP)
Mr Clive Michael, BSc, APA/ASS
Mr David Pretty, BSc Melb, ANUPS
Mr Horst Punzmann, BSc Polytech Regensburg, ANUPS/ASS
Mr Wayne Solomon, BSc Qld, APA/ASS (until January)
Mr Orson Sutherland, BE, APA/ASS
Ms Hua Xia, MSc Chongqing, ANUPTS

Theory Cluster

Applied Photonics Group & Nonlinear Physics Group

Mr Tristram Alexander, BSc Darwin, APA
Ms Sam Ashby, BSc Sydney, APA(I)/ADC Telecommunications Australia Pty Ltd
Ms Vicky Au, BA BSc Melb, ANUPS (jointly with PRL)
Ms Ruth Jarvis, BE BSc, APA(I)/Siemens Ltd (until November)
Ms Pearl Louis, BSc, ANUPS
Mr Andrey Sukhorukov, BSc Mosc, IPRS/ANUPS (until January)
Ms Snjezana Tomljenovic-Hanic, BSc Belgrade, APA(I)/ADC Telecommunications Australia Pty Ltd (jointly with LPC)
Mr Ilya Shadrivov, MSc Nizhny Novgorod, ANUPTS/ASS (from April)

Theoretical Physics

Mr Yung-Kai Chan, BSc, (self-funded)
Mr Geoffery Ericksson, BSc Qld, ANUPS
Mr Ben Corry, BSc, APA/ASS (until August)
Mr Heinz Horn, BSc Qld, ANUPS (until July)
Ms Sally Lloyd, BSc Murdoch, APA/ASS (until February)
Mr Ben McMillan, BSc Melb, APA/ASS (jointly with PRL)
Ms Megan O'Mara, BAPSc, BSc, GSS/ASS (from January)

Commitment to Teaching

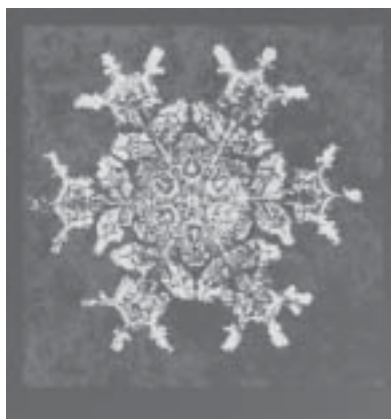


Undergraduate Students

Name	Home Dep./Fac.	Department	Supervisor(s)
Ms Reanna Albion	Physics	AM	Vince Craig
Mr Toen Castle*	Mathematics	AM	Adrian Sheppard
Mr Drew Evans	Chemistry	AM	Vince Craig
Mr Anthony Jones	Engineering	AM	Mark Knackstedt
Mr Michael Turner	Geography	AM	Mark Knackstedt
Mr Nan Ye	Engineering	AM	Mark Knackstedt
Ms LeHoa Scruton*	Chemistry	AMPL	Steve Gibson
Ms Anne Barnett	Physics	EME	Hoe Tan & C. Jagadish
Mr Adrian Cheung	FEIT	EME	Mark Ridgway
Mr Sachin Doshi*	FEIT	EME	Sanju Deenanpanray, Manuela Buda & C. Jagadish
Mr Matthew Duggan*	FEIT	EME	Mark Ridgway
Mr Michael Fraser*	Physics	EME	Hoe Tan & C. Jagadish
Mr Bernt Johannessen*	Physics	EME	Mark Ridgway
Ms Annabel Alexander*	Physics	Laser	Neil Manson & Matthew Sellars
Ms Claudia Engelhardt	Physics & Uni.Bonn	NP	Anna Wilson
Mr Michael Lane	Physics	NP	Greg Lane
Mr Frank Lohia (Grad Dip)	Physics	NP	David Hinde
Ms Trudy Peaty	Physics	NP	Greg Lane
Mr Michael Anderson	FEIT	PRL	Gerard Borg
Mr Chi Tak Chung*	FEIT	PRL	Gerard Borg
Mr Tom Green	FEIT	PRL	Gerard Borg
Mr Ben Heslop*	FEIT	PRL	Gerard Borg
Ms Demelza Kurylowicz*	FEIT	PRL	Gerard Borg
Mr Roy Lam*	FEIT	PRL	Gerard Borg
Mr Ian McRobert	FEIT	PRL	Gerard Borg
Mr Jeta Vedi*	FEIT	PRL	Gerard Borg
Mr Gabriel Wade	FEIT	PRL	Gerard Borg
Mr Philip Brydon*	Physics	TC	Miklos Gulacsi
Mr Aaron Matthews	FEIT & UC	TC	Yuri Kivshar
Ms Taira Vora	Physics	TC	Shin-Ho Chung

* received a RSPHysSE Honours Scholarship

Commitment to Teaching



Summer/Winter Scholars

The following students spent periods of up to twelve weeks in the Research School from December 2002 to February 2003:

Name	Home Institute	Department	Supervisor
Ms Kellie Jericho	Flinders	AM	Tim Senden
Mr Cheng Chen	Flinders	AMPL	Anatoli Kheifets
Mr Xavier Halliwell	ANU	AMPL	Ken Baldwin & Steve Gibson
Mr John Uhlmann	ANU	AMPL	Andrew Truscott
Ms Waven Zhang	Melbourne	AMPL	Brenton Lewis & Steve Gibson
Mr Juan Dominguez	Melbourne	CfM	Allan Snyder
Ms Barbara-Ann Loo	UNSW	CfM	Allan Snyder

Mr Andrew Molloy	Newcastle	TC	Adrian Ankiewicz
Ms Reanna Albion	ANU	EME	Mark Ridgway
Mr Bernt Johannessen	ANU	EME	Mark Ridgway
Ms Jenny Hodgson	ANU	LPC	Andrei Rode
Mr Gerard Atkinson	ANU	NP	Greg Lane
Mr Michael Lane	ANU	NP	David Hinde
Mr Michael Anderson	ANU	PRL	Gerard Borg
Mr Tom Green	ANU	PRL	Gerard Borg
Mr Ian McRobert	ANU	PRL	Gerard Borg
Ms Trudy Peaty	ANU	PRL	Boyd Blackwell
Mr Christopher Weekes	ANU	PRL	Rod Boswell
Mr Alan Payne	ANU	TC	Vladimir Bazhanov
Mr David Botman	Canterbury, NZ	TC	Mukunda Das

The students toured the School and the Department of Physics and Theoretical Physics in The Faculties, and gave short presentations on the projects they had undertaken at a seminar held at the end of their stay.

Winter Scholars

Name	Home Institute	Department	Supervisor
Mr Chritopher Weekes	ANU	LPC	Neil Manson
Mr Michael Lane	ANU	NP	Stephen Tims
Ms Trudy Peatey	ANU	NP	Stephen Tims

Commitment to Teaching

Flinders Exchange Program

Name	University	Department	Supervisor
Ms Clare Johnston	Flinders	AM	Tim Senden
Ms Jack Jasieniak	Flinders	AMPL	Julian Lower
Mr Mike Noakhtar	Flinders	AMPL	Julian Lower
Mr Karl Albrecht	Flinders	EME	Rob Elliman
Mr Mostyn Gale	Flinders	EME	Ying Chen
Mr Shannon Orbons	Flinders	LPC/AMPL	Ken Baldwin
Mr Jonathon Norman	Flinders	LPC	Andrew Rode
Mr Mark Buer	Flinders	TC	Mukunda Das



Visiting Scholars

The following undergraduate and postgraduate scholars spent time in the School for the purpose of training and research:

Name	Home Institute	Department
Ms Reanna Albion	Australian National University	AM
Mrs Ji-Youn Arns	University of NSW	AM
Ms Astrid Calton	Macquarie University	AM
Ms Elaine Fallshaw	Melbourne University	AM
Ms Melanie Johnson-Saliba	Australian National University	AM
Ms Laura Kennedy	University of Canberra	AM
Mr J. Lee	University of NSW	AM
Mr Jean-François le Meur	University of NSW	AM
Mr Viet Nguyen	University of NSW	AM
Ms Rachel Pillar	Flinders University	AM
Ms Jodie Proud	University of Canberra	AM
Mr Michael Schwertner	University of Leipzig, Germany	AM
Ms Elicia Wong	University of NSW	AM
Mr Denis Zemin	University of Regensburg, Germany	AM
Mr Mirko Hattas	University of Frankfurt, Germany	AMPL
Mr Francois Jeanne	FIUPSO, France	AMPL
Ms Alexandra Knapp	University of Frankfurt, Germany	AMPL
Ms Johanna Nes	Vrije Universiteit, The Netherlands	AMPL/LPC
Mr Thomas Senn	EPFL, Switzerland	AMPL
Mr Wolfram Berky	Darmstadt Technical University, Germany	EME
Mr Vincent Giraud	University of Paris – South, France	EME
Ms Bianca Haberl	University of Augsburg, Germany	EME
Ms Hanne Kortegaard-Nielsen	Royal Institute of Technology, Sweden	EME
Mr Michael Krispin	University of Augsburg, Germany	EME
Mr Robert Miller	University of Augsburg, Germany	EME
Mr Julien Muller	University of Paris-Sud, France	EME
Mr Florian Ruske	University of Bonn, Germany	EME
Ms Maureen Brennan	Trinity College, Dublin, Ireland	LPC
Mr Tobias Breuninger	University of Applied Science, Aalen, Germany	LPC
Mr Roger McMurtie	Australian National University	LPC
Mr Nikola I. Nikolov	Technical University of Denmark, Denmark	LPC
Mr Hotan Shalibeik	Technical University of Hamburg-Harburg, Germany	LPC
Mr Carsten Weillnau	University of Münster, Germany	LPC
Ms Saher Ahmed	University of Birmingham, UK	NP
Mr Jason Arts	University of Wollongong	NP
Ms Jasmin Cranford-Hill	University of Wollongong	NP
Mr Michael Currie	University of Wollongong	NP
Ms Christine de Plater	University of Wollongong	NP
Mr Matthew Dore	University of Wollongong	NP
Mr Julian Drake-Brockman	University of Wollongong	NP
Ms Hasna El Masri	University of Surrey, UK	NP
Ms Claudia Englehardt	University of Bonn, Germany	NP

Mr Dean Inwood	University of Wollongong	NP
Ms Sinéad Keogh	University College, Dublin, Ireland	NP
Mr Michael Lane	Australian National University	NP
Mr Carl Metelko	University of Birmingham, UK	NP
Ms Hilary Mobbs	University of Manchester, UK	NP
Ms Tamara Molloy	University of Wollongong	NP
Mr Luis Munoz	University of Wollongong	NP
Ms Susanne Olivier	University of Berne, Switzerland	NP
Mr Jon Pearson	University of York, UK	NP
Ms Trudy Peatey	Australian National University	NP
Mr Lee Pattison	University of Manchester, UK	NP
Mr Dale Prokpovich	University of Wollongong	NP
Mr Robert Raposio	University of Wollongong	NP
Mr Liam Reinhardt	University of Glasgow, Scotland	NP
Mr Scott Rees	University of Canberra	NP
Mr Florian Ruske	University of Bonn, Germany (joint EME)	NP
Ms Sarah Rigby	University of Manchester, UK	NP
Ms Ceri Riley	University of Manchester, UK	NP
Mr Santosh Kumar Shrestha	Australian Defence Force Academy	NP
Mr Johnathan Stefaniak	University of Canberra	NP
Mr Dwight Scholes	University of Manchester, UK	NP
Mr Simon Turner	University of Wollongong	NP
Ms Allison Vincent	University of Wollongong	NP
Mr Russell Wood	University of Surrey, UK	NP
Mr Andrew Wroe	University of Wollongong	NP
Mr David Zahra	University of Wollongong	NP
Ms Ane Aanesland	University of Tromso, Norway	PRL
Mr Magnus Berger	Chalmers University of Technology, Sweden	PRL
Mr Jinil Chung	Max Plank Institute for Plasma Physics, Germany	PRL
Mr Soren Maigaard	Technical University of Denmark, Denmark	PRL
Mr Markus Schweighart	Kempton University, Germany	PRL
Mr Brant Gibson	La Trobe University	TC
Mr Andreas Johansson	Chalmers University of Technology, Sweden	TC
Mr Patrik Johansson	Chalmers University of Technology, Sweden	TC
Mr Jim Katsifolis	La Trobe University	TC
Mr Kristian Motzek	Darmstadt University of Technology, Germany	TC
Mr Peter Pace	Melbourne University	TC
Mr Tom Ryan	Sydney University	TC
Mr Satoru Shoji	Osaka University, Japan	TC

The following students, from local high schools and colleges, visited the School for work experience:

Mr James Ridgway	Lake Ginninderra College	Electronics Unit
Mr Niraj Lal	Radford College	LPC
Mr Paul Jambor	Lake Ginninderra College	NP
Mr Lachlan McCalman	Narrabundah College	NP



Science Schools

Korea-Australia Photonics School

The inaugural Korea-Australia Photonics School with the theme “The Terabit Era” was co-convened by Professor John Love from the DU and Professor Yong-Tak Lee from the Gwangju Institute of Science and Technology. The School was held at the Conference and Exhibition Centre in Seoul, 3–4 September 2002 as part of the Photonics Korea 2002 conference. Over 70 Korean postgraduate research students attended the School, and lectures on various aspects of photonics were presented by leading researchers from Australian and Korean universities and from the Australian photonics industry. The Australian involvement in the School was supported by a grant from the Australian Academy of Technological Science & Engineering. Liaison with Korea for the event and underwriting was undertaken by the Photonics Institute of the Australian Photonics CRC.



Participants in the Korea-Australia Photonics School

ACT Siemens Science & Engineering Experience

The 2002 ACT Siemens Science and Engineering Experience, for Students entering Year 10 in 2002 was directed by Professor John Love and managed by the ANU Centre for Continuing Education. The program now receives support from the University of Canberra and the Canberra Institute of Technology as well as from ANU. The event was held from 3–5 October and attracted a record 90 students predominantly from the ACT and country NSW. Members of the School who contributed lectures included Professor Jim Williams (Director), Professor Rod Boswell (PRL), and Dr Andrew Stevenson (DU). Wendy Quinn (DU) organised the barbecue hosted by the School.



Participants in the 2002 ACT Siemens Science and Engineering Experience

National Teachers Summer School

The School participated in the 4th National Teachers Summer School from 13–18 January. The Summer School was organised by P. Stewart, C. Plowman and J. Dash from the Emeritus Faculty and the Centre for Continuing Education. Forty-two teachers participated, representing schools from across Australia. Professor N.B. Manson gave an introduction to the School and this was followed by presentations by Dr N. Dasgupta, Mr S. Collis and Professor J. D. Love. Afterwards, 20 teachers (with interests in physical sciences) spent four hours on tours and activities in the School.

Workshop on Nuclear Techniques

The second annual Workshop on Nuclear Techniques was held from 23–27 September in the Department of Nuclear Physics for undergraduate students from the University of Wollongong and graduate students from the Department of Physics, the Faculties and School of Physics, ADFA. The workshop provided a hands-on introduction to nuclear methods designed for students in the undergraduate Medical Physics Program at the University of Wollongong. The workshop was organised by Dr Aidan Byrne with lectures in the workshop presented by Drs Byrne, Weisser, Lane, Wilson, Hinde and Professor Rozenfeld (University of Wollongong). Over 20 students participated in an intensive five-day program that included experiments on the 14UD Heavy-ion Accelerator. Topics covered included radiation safety, detector design and operation, isotope production and accelerator operation.

Dynamic Summer

The Centre for Complex Systems hosted the 15th Canberra International Physics Summer School Dynamic Summer: Topics in Nonlinear Dynamics, Collective Phenomena and Complexity, 21 January to 1 February, 2002. The Summer School was

principally funded by the Department of Theoretical Physics, RSPHysSE, and was also supported by the Asia Pacific Centre for Theoretical Physics as an external activity. The event was well attended, with 62 participants attending over the two-week period. Thirty-six graduate-level one-hour lectures were presented by nine excellent lecturers from Australia and overseas. For more information refer to Section 3 – Centre for Complex Systems



Julian indicating the size of the 90° analysing magnet



David Hinde demonstrating the position sensitive gas counter



Participants in the 2002 15th Canberra International Physics Summer School Dynamic Summer

