Commitment to Teaching

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 36Cl 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
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
Commitment to Teaching

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, ANUPS
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, BApSc 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 Tessa 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 Frawal, 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 Waikato, MSc Auck, ANUPS/GSS/ASS
Ms Lily Luo, BSc Nanchang, ANUPS/APA/ASS (from March)
Mr Glen McCarthy, BSc Dip Ed UNSW, ANUPS
Mr Joseph Morrell, BSc, ANUPS/ASS (from July)
Ms Eleni Notaras, BA BSc, Redfern Polymer Optics
Ms Yinan 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 McGregor, BSc MSc Auckland, APA (until November)
Ms Tessa 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 Chongquing, 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 Geoffrey 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)
### Undergraduate Students

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

* received a RSPhysSE Honours Scholarship

### Summer/Winter Scholars

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Institute</th>
<th>Department</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms Kellie Jericho</td>
<td>Flinders</td>
<td>AM</td>
<td>Tim Senden</td>
</tr>
<tr>
<td>Mr Cheng Chen</td>
<td>Flinders</td>
<td>AM PL</td>
<td>Anatoli Kheifets</td>
</tr>
<tr>
<td>Mr Xavier Halliwell</td>
<td>ANU</td>
<td>AM PL</td>
<td>Ken Baldwin &amp; Steve Gibson</td>
</tr>
<tr>
<td>Mr John Uhlmann</td>
<td>ANU</td>
<td>AM PL</td>
<td>Andrew Truscott</td>
</tr>
<tr>
<td>Ms Waven Zhang</td>
<td>Melbourne</td>
<td>AM PL</td>
<td>Brenton Lewis &amp; Steve Gibson</td>
</tr>
<tr>
<td>Mr Juan Dominguez</td>
<td>Melbourne</td>
<td>CFM</td>
<td>Allan Snyder</td>
</tr>
<tr>
<td>Ms Barbara-Ann Loo</td>
<td>UNSW</td>
<td>CFM</td>
<td>Allan Snyder</td>
</tr>
</tbody>
</table>
Mr Andrew Molloy
Ms Reanna Albion
Mr Bernt Johannessen
Ms Jenny Hodgson
Mr Gerard Atkinson
Mr Michael Lane
Mr Michael Anderson
Mr Tom Green
Mr Ian M Robert
Ms Trudy Peaty
Mr Christopher Weekes
Mr Alan Payne
Mr David Botman
Newcastle
ANU
ANU
ANU
ANU
ANU
ANU
ANU
ANU
ANU
ANU

TC
EME
EME
LPC
NP
NP
PRL
PRL
PRL
PRL
TC

Adrian Ankiewicz
Mark Ridgway
Mark Ridgway
Andrei Rode
Greg Lane
David Hinde
Gerard Borg
Gerard Borg
Boyd Blackwell
Gerard Borg
Vladimir Bazhanov

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Institute</th>
<th>Department</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Christopher Weekes</td>
<td>ANU</td>
<td>LPC</td>
<td>Neil Manson</td>
</tr>
<tr>
<td>Mr Michael Lane</td>
<td>ANU</td>
<td>NP</td>
<td>Stephen Tims</td>
</tr>
<tr>
<td>Ms Trudy Peatey</td>
<td>ANU</td>
<td>NP</td>
<td>Stephen Tims</td>
</tr>
</tbody>
</table>

Flinders Exchange Program

<table>
<thead>
<tr>
<th>Name</th>
<th>University</th>
<th>Department</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms Clare Johnston</td>
<td>Flinders</td>
<td>AM</td>
<td>Tim Senden</td>
</tr>
<tr>
<td>Ms Jack Jasienniak</td>
<td>Flinders</td>
<td>AMPL</td>
<td>Julian Lower</td>
</tr>
<tr>
<td>Mr Mike Noakhtar</td>
<td>Flinders</td>
<td>AMPL</td>
<td>Julian Lower</td>
</tr>
<tr>
<td>Mr Karl Albrecht</td>
<td>Flinders</td>
<td>EME</td>
<td>Rob Elliman</td>
</tr>
<tr>
<td>Mr Mostyn Gale</td>
<td>Flinders</td>
<td>EME</td>
<td>Ying Chen</td>
</tr>
<tr>
<td>Mr Shannon Orbons</td>
<td>Flinders</td>
<td>LPC/AMPL</td>
<td>Ken Baldwin</td>
</tr>
<tr>
<td>Mr Jonathon Norman</td>
<td>Flinders</td>
<td>LPC</td>
<td>Andrew Rode</td>
</tr>
<tr>
<td>Mr Mark Buer</td>
<td>Flinders</td>
<td>TC</td>
<td>Mukunda Das</td>
</tr>
</tbody>
</table>
## Visiting Scholars

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

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

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 Raposo 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 Planck Institute for Plasma Physics, Germany PRL
Mr Soren Maigaard Technical University of Denmark, Denmark PRL
Mr Markus Schweighart Kempten 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.

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.
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.