

Appendix – Interactions with the Faculties

Professor N. Akhmediev lectured *Nonlinear Dynamics* (PHYS3002) to 3rd year undergraduate students.

Dr K. Baldwin presented a short course in *Lasers in Semiconductor Technology* to 3rd year engineering students.

Dr R. Ball supervised a 4th year honours project in the Department of Physics and Theoretical Physics, The Faculties.

Professor M.T. Batchelor lectured the 3rd year mathematics course *Mathematical Methods Honours* (MATH3322); supervised an advanced studies project in the PhB Program and acted as a student mentor in the PhB program; and gave a joint seminar with Dr R.V. Burne on "The Natural History of Conophyton" in the Department of Geology, Faculty of Science.

Dr A.M. Baxter of the Department of Physics, Faculty of Science, carried out research on nuclear spectroscopy in the Department of Nuclear Physics.

Dr B.R. Barrett, a visitor from the University of Arizona, gave a short lecture series on "The Interacting Boson Model and Rotational Model" in the Department which formed part of the 4th year *Nuclear Spectroscopy* course for students from the Department of Physics, Faculty of Science.

Dr T.T. Barrows collaborated with Dr L. Reed and R. Wells, Flinders University and Professor D. Ride, Geology Department, The Faculties on "Direct Dating of Fossil Bone Using Cosmogenic Cl-36".

Dr G. Borg is supervising three honours students in their research projects on BushLAN. These students are Rhys Goodwin, Chris Brooke and Robert May, all from Faculty of Engineering and Information Technology.

Dr M. Buda, Dr H.H. Tan and Professor C. Jagadish supervised a Physics Special Topics student in the Faculties.

Dr A.P. Byrne holds a joint appointment with the Department of Nuclear Physics and the Department of Physics, Faculty of Science. He was Acting Head of the Department of Physics, Faculty of Science until August.

Dr Y. Chen gave lectures in "Nanotechnology" to undergraduate students from the Faculties.

Professor R. Elliman was a member of PhD Supervisory Panel for Mr Helmut Mackel.; gave lectures for course ENG4057 *Ion Implantation Technology* delivered as part of a Semiconductor course for 4th year students at the Faculties; and contributed to PHY3033, *Nuclear Physics and Reactions*, consisting of one lecture and six laboratory classes in Ion Beam Analysis of Materials for 3rd/4th year students at the Faculties.

Dr T. Esat holds a joint appointment with the Research School of Earth Sciences from July.

Dr L.K. Fifield continues collaborations with Dr Bradley Opdyke and two students, Helen Bostock and Siwan Rees, of the Department of Geology.

Dr S. Gibson supervised Ashley Norris, a 3rd year student, in Physics Special Topics, and Owen Dive, Distinguished Scholar Program in Science.

Dr M. Gulacsi taught *Statistical Physics and Quantum Field Theory* at the Department of Physics and Theoretical Physics, The Faculties.

Professor J. Harris presented an 18-lecture course on *Plasma Physics* to 3rd year students, Department of Physics, The Faculties.

Professor J. Harris, Dr B. Blackwell and Dr K. Walshe presented an 18-lecture and laboratory course in *Power Electronics and Applications* (ENGN4506) for 4th year engineering students in the Faculty of Engineering and Information Technology.

Professor S. Hyde delivered an illustrated lecture on "Geometry" to visual arts undergraduates at the National Institute for the Arts

Professor Jagadish gave guest lectures on "Epitaxial Growth and Optoelectronic Devices" to 4th year students in the Department of Engineering, FEIT; and designed and gave an elective course on *Semiconductor and Optoelectronic Devices* (ENGN4519).

Dr G.J. Lane taught half of the *Nuclear Physics* course (PHY3033) for 3rd year students in the Department of Physics, Faculty of Science.

From 1 July 2003, **Professor J. Love** was appointed 25% to the Department of Physics, Faculty of Science, with responsibility as Convenor for undergraduate and graduate photonics teaching up to the Masters level; presented the 18-lecture course *Optical Fibre and Waveguide Transmission* (PHYS3050) during the first half of second semester to 11 engineering and physics students; presented a lecture for the physics course PHYS1020 *Photonics Today*; and a lecture for the engineering course ENG4507 *Microelectronics & Photonics Technology*.

Professor J. Love and Dr A. Ankiewicz presented the 18-lecture course *Fibre and Waveguide Devices for Optical Systems and Networks* (PHYS3051) during the second half of second semester to 11 engineering and physics students.

Professor J. Love & Dr S. Tomljenovic-Hanic developed an Electronic Photonics module in collaboration with the Faculty of Science as part of the new Master of Contemporary Science degree.

Dr R.E. Robson gave a lecture course on *Life Physics* (PH1004) in the Department of Physics and Theoretical Physics, The Faculties.

Dr A. Rode collaborated with Dr A. Christy, Department of Geology, on "Mass-Spectroscopy of Carbon Nanostructures".

Dr A. Samoc continued her collaborations with Professor M. Humphrey and Dr. M. P. Cifuentes, Department of Chemistry, on "Investigations of Third-order Optical Nonlinearities of Dendrimers"; and presented "Principles and Demonstrations of the Use of a Prism Coupler" for engineering students.

Dr A. Samoc, Dr M. Samoc and Professor B. Luther-Davies continued their collaborations on "Third-order Optical Nonlinearities of Oligomers, Dendrimers and Polymers Derived from Solution Z-scan Studies" with Dr M. Humphrey, Department of Chemistry, Faculty of Science.

Dr M. Samoc and Professor B. Luther-Davies collaborated with Dr Mark G. Humphrey, Department of Chemistry, on "NLO Properties of Organometallics".

Dr A.G. Truscott gave an honours course on *Atom Optics* which was delivered to students in Physics, The Faculties.

Dr A.N. Wilson taught the 3rd year Special Research Topics course in *Particle Physics* (PHYS3041) in the Department of Physics, Faculty of Science and was an Advanced Studies Instructor for the PhB courses SCNC1101 and SCNC1102.