

Appendix 5  
School of Physics Colloquia

DATE	PRESENTER	HOME INSTITUTION	TITLE
25 February 2003	Dr. Wally Geldart	Dalhousie University, Halifax, Canada	Semi-empirical Scaling Theory of the 2D Metal-insulator Bifurcation
13 March 2003	Dr. Andrew Greentree	School of Physics, UNSW	Electromagnetically Induced Transparency in Three, Four, Five and More Level Atoms: The Search for Quantum Nonlinear Optics
27 March 2003	Prof. Ron Ekers	Federation Fellow, Australia Telescope National Facility	Cosmic Rays, Star Formation and Starburst Galaxies
3 April 2003	Mark Whittle	University of Virginia	Galaxy Physics: From Black Holes to Superwinds
10 April 2003	Dr. Alistair Rowe	NEC Research Institute, Princeton	Extraordinary Piezoconductance of Metal-Semiconductor Composites
17 April 2003	Eric Feigelson	Penn State University & UNSW/ADFA	A Tour of Star Formation with Chandra
15 May 2003	Professor Robert Clark, FAA	Director, ARC Centre of Excellence For Quantum Computer Technology, Commonwealth Government Federation Fellow	Pushing Nanoscience to the Limit: A Solid State Quantum Processor
30 May 2003	Dr Paul Meredith	University of Queensland	A Soft Future?
10 July 2003	Dr Karl Glazebrook	Johns Hopkins University	Probing Galaxy Evolution with the Gemini Deep Deep Survey
11 July 2003	Professor Michael Romalis	Department of Physics, Princeton University	Limits on CP Violation from Electric Dipole Moments
24 July 2003	Dr Ghassan Taha	University of Arizona and NASA Langley Research Center	Satellite Observations of the Middle Atmosphere: The SAGE III Mission
31 July 2003	David Reilly	School of Physics, UNSW	Spin in Quantum Wires: A Mesoscopic Mystery with Important Implications
7 August, 2003	Prof Michael Tobar	School of Physics, University of Western Australia	Testing the Fundamentals of Physics Using Cryogenic Microwave Oscillators
21 August 2003	Dr Anna Moore	Anglo-Australian Telescope	Advances in Piezoelectric Positioners for Discrete Sampling of Telescope Focal Planes
2 September 2003	Prof. Halina Rubinsztein-Dunlop	Australian Institute of Physics, Women in Physics Lecturer 2003	Laser Manipulation of Microparticles and Atoms
11 September 2003	Dr Tim Byrnes	School of Physics, UNSW	Density Matrix Renormalization Group for the Schwinger Model: A New Approach to Lattice Gauge Theory?
18 September 2003	Dr Sarah Maddison	Centre for Astrophysics & Supercomputing, Swinburne University	Building Planets with Dusty-Gas
9 October 2003	Dr Adam Micolich	ARC Australian Postdoctoral Fellow School of Physics, UNSW	50 Years Since the FET, and the Research Isn't Over Yet
23 October 2003	Dr James Lloyd	Department of Astronomy, Caltech, USA	The eXtreme Adaptive Optics Planet Imager
6 November 2003	Professor John Barrow	Department of Applied Mathematics and Theoretical Physics, Cambridge University	Theoretical Contexts for Varying Constants