

Professor Anne Green, Head, School of Physics and Director,
Science Foundation for Physics, and
Mrs Louise Davis, President, Science Foundation for Physics
invite you and your guests to a special presentation

THE UNIVERSE AT LIGHT SPEED

by ARC Federation Fellows Professor Joss Bland-Hawthorn,
Professor Ben Eggleton and Professor Bryan Gaensler.



Three of the School's six Federation Fellows will present new areas of breakthrough research being carried out by their teams, and will discuss the exciting technological future that these discoveries can deliver.

The presentation will be followed by the Physics Alumni Dinner

Thursday 27 March 2008

The Women's College, 15 Carillon Ave, Newtown
(near Western Avenue entrance, The University of Sydney)
6.00pm for 6.45pm

Tickets: \$85.00 each (incl. GST)

Dress: Business

Drinks: 6.00pm – 6.45pm

Presentation: 6.45pm – 7.45pm

Dinner: 8.00pm – 10.00pm

RSVP: Alison Muir by Friday 14 March 2008

Email: a.muir@physics.usyd.edu.au

Telephone: +61 2 9036 5194 Facsimile: +61 2 9351 7726

Visit: www.physics.usyd.edu.au/foundation



The University of Sydney



bimbudgen estate wines

Professor Joss Bland-Hawthorn, the most recent recipient of a Federation Fellowship at The University of Sydney, is born English with the rare distinction of Australian ancestry. In 1986, he obtained his PhD in astrophysics from the Royal Greenwich Observatory prior to taking up faculty appointments in Hawaii and Texas. In 1993, he moved to the Anglo-Australian Observatory where he was Head of the highly successful group that pioneered astronomical concepts with names that included Nod & Shuffle, Dazle, Starbug and Honeycomb. Joss has over 200 research papers, and is world renowned for his breakthroughs in astrophysics and instrumentation. In 2003, he proposed the new field of astrophotonics that sits at the interface of astronomy and photonics. Joss is a recipient of the inaugural 2008 Group Achievement Award from the Royal Astronomical Society in London for his role in the highly acclaimed 2dF Galaxy Redshift survey that first mapped the 3D structure of the Universe.

Professor Benjamin Eggleton is the Research Director of the Centre for Ultrahigh-bandwidth Devices for Optical Systems (CUDOS), an ARC Centre of Excellence. A graduate in physics from the University of Sydney, he joined Bell Laboratories (USA) as a Postdoctoral Fellow in the optical Physics Department, soon becoming Research Director – Specialty Fiber Business Division of Bell Lab's parent company, Lucent Technologies driving Lucent's research program in optical fibre devices. He has co-authored more than 200 journal papers, presented more than 60 invited and plenary presentations at international conferences, and has filed 35 patents. Ben has received several significant awards including the Pawsey Medal from the Australian Academy of Science, the Prime-Minister's Malcolm McIntosh Science Prize for Physical Scientist of the year, the ICO Prize from the International Commission for Optics and the Adolph Lomb Medal from the Optical Society of America. He is currently Editor for Optics Communications and serves as Vice-President of the Australian Optical Society. In January 2008 The Sydney Morning Herald named Ben one of Sydney's 100 Most Influential People.

Professor Bryan Gaensler is a Federation Fellow, Professor of Physics and proud alumnus of The University of Sydney, from which he was awarded the University Medal in physics in 1995, followed by a PhD in physics in 1998. He subsequently held positions as a Hubble Fellow at the Massachusetts Institute of Technology, as the Clay Fellow at the Smithsonian Institution and then as an Associate Professor at Harvard University, before returning to Australia in 2006. His current research interests focus on the demographics of neutron stars and black holes in our Milky Way and on the origin of magnetism in interstellar space. He has authored over 140 scientific papers, and has written dozens of popular articles on science and astronomy. Bryan was the 1999 Young Australian of the Year, gave the 2001 Australia Day address to the nation, was a 2005 Alfred P. Sloan Research Fellow and was the recipient of the 2006 Newton Lacy Pierce Prize, awarded by the American Astronomical Society.