



Photons@Work

Australian Synchrotron Summer School
The Australian National University Canberra Australia
27 January - 5 February 2004

Invited Speakers:

- David Attwood (Berkeley)
- Ted Baker (Auckland)
- Federico Boscherini (Bologna)
- Garry Foran (Australian National Beamline Facility)
- Richard Garrett (Australian Synchrotron Research Program)
- Ian Gentle (Queensland)
- Peter Hammond (Western Australia)
- Erol Harvey (Swinburne)
- Adam Hitchcock (McMaster)
- Alan Jackson (Australian Synchrotron Project)
- Olof Karis (Uppsala)
- Brendan Kennedy (Sydney)
- Greg LeBlanc (Australian Synchrotron Project)
- Robert Lewis (Monash)
- Keith Nugent (Melbourne)
- Steve Sutton (Chicago)

Australian Synchrotron

The Australian Synchrotron will open in 2007, driving new science and expanding career options. With synchrotrons now an indispensable tool for leading edge research, Photons @ Work provides a grounding in synchrotron science and explores the opportunities it brings.

Program:

- Introductory accelerator physics
- Production of synchrotron radiation and interactions with matter
- Techniques, spectroscopies and microscopies based on diffraction, scattering, reflectivity and absorption
- Applications to atomic & molecular physics, materials science, surface science & magnetism, polymer science, lithography, biology & biochemistry, earth & environmental science and chemistry
- Future directions in synchrotron science and the Australian synchrotron

Chairpersons: Mark Ridgway & Chris Glover
 Australian National University

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