



The Fourteenth International Conference on Vacuum Ultraviolet Radiation Physics  
Cairns, Australia, July 19 - 23, 2004  
<http://VUV14.anu.edu.au>

## FIRST ANNOUNCEMENT

### Background

The Fourteenth International Conference on Vacuum-Ultraviolet Radiation Physics (VUV14) will be held in Cairns, Australia, from 19-23 July, 2004. This continues the forty-year history of the VUV conference series which began in Los Angeles, USA, in 1962, and is now run triennially, with the most recent conference (VUV13) held in Trieste, Italy, in 2001. VUV14 marks the first time that the VUV series has visited the Southern Hemisphere. The VUV conferences bring together physicists, engineers, chemists, biologists, technologists, and others concerned with the production and applications of VUV and (soft) X-ray radiation over many subfields. The VUV conferences are the premier conferences worldwide in the VUV and soft X-ray range, and cover synchrotron, laser, and other applications in this region.

### Scope

The traditional scope of the VUV conferences is as follows: "The conferences encompass all aspects of theoretical and experimental studies of the interaction of ultraviolet and soft X-ray radiation with matter over a photon-energy range from 5 eV to several keV. Relevant areas of research include atomic and molecular physics, materials sciences, physics, chemistry, biology and the novel instrumentation required to conduct such research. The major tools of investigation such as synchrotron radiation, lasers, laboratory sources, and plasma sources are important topics, as are the associated optics, technology, and analytical techniques."

In the case of VUV14, the photon-energy range will be treated more liberally. In particular, contributions are encouraged which involve harder X-rays or the applications of synchrotron radiation in the IR. In addition, theoretical contributions are particularly welcome.

### Broad topics will include, but are not limited to:

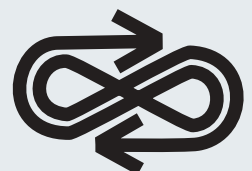
Astronomical applications	Nonlinear and fast-timing spectroscopies
Atomic and Molecular Science	Novel light sources
Biological and medical applications	Synchrotron and laser sources
Coherence	Surface science
Condensed matter science	Technological applications
Environmental and atmospheric applications	VUV and soft X-ray spectroscopy
Instrumentation, Detectors	VUV and soft X-ray standards
IR spectroscopy	X-ray scattering
Magnetism	X-ray structural studies
Microscopy, tomography	

Supported by:

The Australian National University, Research School of Physical Sciences and Engineering, Australian Synchrotron Project, Australian Institute of Physics



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### Location and Venue

#### Location

Cairns is located in tropical North Queensland, in the north-eastern corner of the Australian continent. With its mountain backdrop and ocean views, Cairns is world-renowned for its pristine natural beauty and attractions such as the Great Barrier Reef and World-Heritage-listed rainforests. Cairns is serviced by an international airport and has regular direct flights from many Asian and Pacific locations.

#### Venue

The conference will be held in the Cairns Convention Centre, located in the heart of Cairns and close to major hotels. This purpose-built centre, opened in July 1996, has been voted as one of the world's top ten international convention centres.

### Important Dates

Second Announcement and Call for Papers: November 30, 2003

Receipt of Abstracts: February 15, 2004

Abstract Acceptance: March 31, 2004

Early Registration: April 15, 2004

Final Program: June 15, 2004

Proceedings Papers: July 19, 2004 (At VUV14)

**Please email [vuv14@anu.edu.au](mailto:vuv14@anu.edu.au) to ensure receipt of the second announcement.**

### Meeting Format

The format of the technical sessions will follow the best of previous conferences, offering both oral (plenary, invited, and contributed) and poster sessions, over a 4.5-day program. Parallel oral sessions will be held on most days, including a session on the Australian Synchrotron and its applications. The official language of the meeting will be English.

### Proceedings

The conference proceedings will be published as a special issue of the peer-reviewed Journal of Electron Spectroscopy and Related Phenomena.

Proceedings Guest Editor: Anatoli Kheifets, Australia

Elsevier Handling Editor: Adam Hitchcock, Canada

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### Equipment Exhibition and Sponsorship

An equipment exhibition will be held in conjunction with the conference. Exhibits will be prominently located in the poster display area. Morning and afternoon teas will also be served in this area, providing maximum exposure for exhibitors. A range of sponsorship and exhibition packages is available. Interested parties should contact the Conference Secretariat or visit the conference Website for further details. <http://vuv14.anu.edu.au>

### Conference Organisation

#### Conference Chairman

Brenton Lewis,  
Research School of Physical Sciences  
and Engineering,  
The Australian National University,  
Canberra, ACT 0200, Australia  
Email: [vuv14@anu.edu.au](mailto:vuv14@anu.edu.au)

#### Professional Conference Organiser

Barry Neame, CONSEC, ACT



### Satellite Meeting

A satellite meeting will be held in Melbourne in July, 2004 (Details to be advised). For further information, contact:

Frank Larkins,  
Department of Chemistry,  
University of Melbourne,  
Parkville, VIC 3052, Australia

Ph: +61 3 8344 4179  
Fax: +61 3 9347 6883  
Email: [f.larkins@unimelb.edu.au](mailto:f.larkins@unimelb.edu.au)

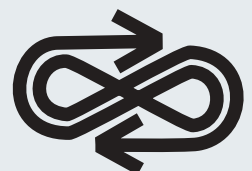


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### Local Organising Committee

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Tim Senden, ANU  
Maarten Vos, ANU  
Erich Weigold, ANU  
John West, Daresbury Laboratories, UK  
Tim Wetherell, ANU



### Contact Details

All official correspondence should be directed through CONSEC at the following:

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Fax: +61 2 6251 0672  
Email: [vuv14@consec.com.au](mailto:vuv14@consec.com.au)  
Web: <http://vuv14.anu.edu.au>

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