

Scientific Advisory Committee

Mark Akselrod	USA
Ian Bailiff	United Kingdom
Pawel Bilski	Poland
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Maria Ester Brandan	Mexico
Reuven Chen	Israel
Diniz Chubachi	Brazil
Vadim Chumak	Ukraine
Francesco d'Errico	USA/Italy
Paola Fattibene	Italy
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Peter Johnston	Australia
Yigal Horowitz	Israel
Toshiyuki Iida	Japan
Helen Khoury	Brazil
Jang-Lyul Kim	Korea
Tomas Kron	Australia
Stephen McKeever	USA
Saveta Miljanic	Croatia
Marco Moscovitch	USA
K.V.R.Murthy	India
Pawel Olko	Poland
Margit Osvay	Hungary
Anatoly Rosenfeld	Australia
Chris Soares	USA
Hannes Stadtmann	Austria
Filip Vanhavere	Belgium
Clemens Woda	Germany
Wei Zhiyong	China
Takayoshi Yamamoto	Japan

Local Organising Committee

Duncan Butler, ARPANSA	Australia
Lisa Duggan, Newcastle Mater Hospital	Australia
Susanna Guatelli, CMRP UoW	Australia
Michael Jackson, POWH	Australia
Tomas Kron, Peter MacCallum CI	Australia
Michael Lerch, CMRP UoW	Australia
Peter Metcalfe, CMRP UoW	Australia
Marco Petasecca, CMRP UoW	Australia
Mark Reinhard, ANSTO	Australia
Anatoly Rosenfeld, CMRP UoW	Australia
Peter Vrahas, eventico	Australia
Yang Wang, ROA	Australia

Summer School Organising Committee

Francesco d'Errico	USA/Italy
Marco Moscovitch	USA
Tomas Kron	Australia
Anatoly Rosenfeld	Australia

Conference Format

The conference will include oral and poster scientific presentations as well as invited lectures given by experts in selected topics of interest. Technical exhibitors will be present to provide an overview of state-of-the-art instrumentation.

Conference Proceedings

The proceedings will be published in an International Journal within one year after the Conference. All manuscripts will be refereed by two referees and will have to meet the journal acceptance criteria. Deadline for submission will be October 18, 2010

Conference Registration

Registration will be possible on-line at <http://www.uow.edu.au/conferences/SSD16>, where you will find registration procedures and fees as well as guidelines for abstract submission. The web-site will be regularly updated.

Important dates

March 15, 2010	Abstract Submission deadline
	Deadline application for young scientist award
June 1 2010	Notification of acceptance and Presentation modality
July 19, 2010	Deadline to obtain reduced fee
August 16, 2010	Submission deadline bids to host SSD17
September 15-18, 2010	4th Summer School
September 19-24, 2010	SSD16 Conference
October 18, 2010	Manuscript submission deadline

Conference secretariat

Mrs Karen Ford	Mrs Elena Di Stefano
Centre for Medical Radiation Physics	SSD16 Conference Manager
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<http://www.uow.edu.au/conferences/SSD16>



Solid State Dosimetry 16th International Conference 19-24 September 2010

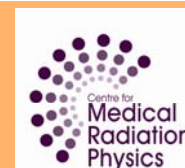
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4th Summer School 15-18 September 2010



Sofitel, Sydney Wentworth
61-101 Phillip Street, Sydney NSW Australia
Phone +61 2 9228 9188

<http://www.uow.edu.au/conferences/SSD16>



16th International Conference on Solid State Dosimetry

The University of Wollongong is pleased to announce the 16th International Conference on Solid State Dosimetry, SSD16, which will be held in Sydney, Australia 19-24 September, 2010.

This series of conferences began in 1965 at Stanford, USA and since then has expanded its initial scope from luminescence dosimetry to the current variety of solid state processes and methods available for radiation dosimetry.

In 1995, the International Solid State Dosimetry Organisation, ISSDO, was created to promote and assist in the organisation of triennial SSD Conferences, ensuring their continuity.

SSD16 will be the fifth conference of the series organised under the auspices and regulations of the ISSDO and firstly will be held in Australia. Medical dosimetry is highlight of SSD 16.

4th Summer School on Solid State Dosimetry

A Summer School on Solid State Dosimetry will be offered on the 15-18 September 2010. the School will follow the successful format of the previous Summer School, held in conjunction with the SSD13 in Athens, SSD14 in Yale, SSD15 in Delft and will include lectures by international experts.

The Summer School is intended for scientists who are new in the field and for those who like to deepen and widen their knowledge. This Winter School will be very attractive to medical physicists who want to consolidate their knowledge in methods and state-of-the-arts in clinical dosimetry. Lectures on TLD, OSL, scintillator, semiconductor and electronics dosimetry and its application in mixed radiation field dosimetry, aviation and space dosimetry, medical dosimetry, dosimetric imaging and micro-nano-dosimetry will be a solid foundation for radiation dosimetry Professionals.

The exact topics and guest lecturers will be announced at the later date on the web site (<http://www.uow.edu.au/conferences/SSD16>)

Conference Topics

Basic physical processes

- TL, OSL, EPR, RPL, scintillation
- Modelling

Materials characteristics

- Synthetic materials
- Natural materials

Instrumentation/detectors

- Luminescent detectors (TLD, OSLD, RPLD, (scintillators)
- Semiconductor detectors
- EPR detectors
- Equipment development
- Track detectors
- Gel dosimetry
- Superheated emulsions
- Radiochromic dyes



Monitoring and Detection

- Individual dosimetry (external, extremity, internal)
- Environmental dosimetry
- Micro-and nano-dosimetry
- Space and aviation dosimetry
- Neutron dosimetry
- Particle dosimetry
- High-level radiation dosimetry
- Radon monitoring

Special focus: Dosimetry for medicine & biology

- Radiation-therapy dosimetry
- Diagnostic radiology dosimetry
- 2D and 3D dosimetry
- Patient dosimetry
- Radiation transport simulations

Dose reconstruction

- Dating (luminescence, fission-track and EPR)
- Accident dosimetry
- Forensic dosimetry
- Retrospective dosimetry

Explore the Hotel-Sofitel Sydney Wentworth



Sydney's time honoured five star hotel in the heart of Sydney city has a solid reputation for being a welcoming and memorable luxury hotel.

Through a recent enhancement program of \$10 million, this Sydney icon ensures that the most modern facilities are offered whilst retaining the charm and character for which The Wentworth has long been renowned.

Sofitel Sydney Wentworth's unique design allows most rooms to overlook the central Garden Courtyard.

Hotel Features

- 436 elegantly appointed rooms
- Club Sofitel
- Lattouf Aveda Day Spa
- Elixir Health Club
- Garden Court dining
- Concierge services
- Undercover security car parking
- King beds or king single beds
- Babysitting services available
- Premium conference facilities
- Internet facilities & Wi-fi options
- Business centre
- 24 hour in-room dining
- Guest laundry and valet service
- Two level shopping arcade
- Safety deposit boxes
- Special access facilities
- Express check-out service



Transportation

Sydney International Airport is 20 minutes away from the Hotel and the City of Sydney. Public transport is one of the easiest and most affordable ways to travel around the Sydney metropolitan area and greater New South Wales.

