

### Conference Proceedings

The Proceedings will be published, within one year after the Conference, as a special Issue of a scientific journal to be informed later. All manuscripts shall be evaluated by two referees and have to meet the journal acceptance criteria.

### Transportation

Recife has one of the best and most modern airports of Brazil. The airport is located in the southern area of Recife, 11 km away from downtown and 6 km from Boa Viagem Beach.

### Registration

Registration is only possible on-line at the website [www.ssd17.org](http://www.ssd17.org), where you will find registration procedures, fees and abstract submission guidelines.

### Proposals to Host SSD18

ISSDO invites the submission of proposals from interested individuals and/or organizations to host SSD18, the 18th International Solid State Dosimetry Conference to be held in 2016.



### Conference secretariat

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## 17th International Conference on Solid State Dosimetry

September 22 -27, 2013

## 5th School on Solid State Dosimetry

September 19 -21, 2013

Recife-Brazil

[www.ssd17.org](http://www.ssd17.org)

### 17th International Conference on Solid State Dosimetry

Federal University of Pernambuco, Brazil, is pleased to announce the 17th International Conference on Solid State Dosimetry, SSD17, which will be held in Recife, Brazil, September 22-27, 2013.

The conference is intended to provide a forum for the presentation and discussion of the latest research on radiation dosimetry based on solid state processes and methods. Presentations will cover basic physics, methodological issues, and the application of these techniques in a wide range of areas.

### Conference Chairperson

Helen Khoury - UFPE

### Conference Vice - Chairperson

Shiguelo Watanabe - USP



### Conference Topics

As in previous meetings, the main topics will be:

#### Basic physical processes

TL, OSL, EPR, RPL, exo-electron emission, TSC, TSEE, scintillation  
Modelling

#### Materials characteristics

Synthetic material characteristics  
Natural material characteristics  
Materials for high level radiation dosimetry

#### Instrumentation/ detectors

Semiconductor detectors  
EPR detectors  
Track detectors  
Fricke and polymer gels  
Superheated emulsions  
Radiochromic dyes  
Nanotechnology in dosimetry

#### 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

#### Medical Dosimetry

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

#### Dose reconstruction

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



### Scientific Advisory Committee

Adrie Bos	The Netherlands
Anatoly Rosenfeld	Australia
Andrew Murray	Denmark
Carmen Bueno	Brazil
Eronides da Silva Jr.	Brazil
Filip Vanhavere	Belgium
Francesco d'Errico	USA / Italy
Hannes Stadtmann	Austria
Helen Khoury	Brazil
Ian Bailiff	United Kingdom
Jang-Lyul Kim	Korea
José-Fernando Chubaci	Brazil
José-Maria Gómez-Ros	Spain
Linda Caldas	Brazil
Margit Osvary	Hungary
Maria-Ester Brandan	Mexico
Mark Akselrod	USA
Marko Moscovitch	USA
Marlies Luszik-Bhadra	Germany
Oswaldo Baffa Filho	Brazil
Pawel Olko	Poland
Pedro Guzzo	Brazil
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Shiguelo Watanabe	Brazil
Stephen McKeever	USA
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Toshiyuki Iida	Japan
Vadim Chumak	Ukrainia
Walter de Azevedo	Brazil
Yigal Horowitz	Israel

### Local Organizing Committee

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Susana Lalic	UFS
Vinicius de Barros	UFPE
Walter de Azevedo	UFPE

### 5th School on Solid State Dosimetry

The 5th School on Solid State Dosimetry will be offered on September 19-21, 2012. The School is intended for students and scientists considered beginners in the field of radiation solid state dosimetry. Lectures will be given on basic topics in solid state dosimetry followed by lectures on applications (TLD, OSLD, dating, neutron and medical dosimetry).

### 5th School Coordinators

Adrie Bos	TU Delft - The Netherlands
Oswaldo Baffa Filho	USP - Brazil



### Conference Venue

The SSD will be held in Recife, an important, large and modern city, located in the Northeast Region of Brazil.

Recife is the capital of the State of Pernambuco and called the "Venice of Brazil" because its territory is splitted by numerous waterways and connected by several bridges. Recife has a strong presence of Cultural and Historical Heritages; variety on gastronomy, festivities and shopping and near to natural paradises, such as Porto de Galinhas beach and Fernando de Noronha archipelago.

The conference venue will be at the MAR HOTEL, located in Boa Viagem beach, less than 6 km away from the international airport of Recife. More details in the website [www.marhotel.com.br/en-us/Default.asp](http://www.marhotel.com.br/en-us/Default.asp)

### Conference Format

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

Scientists, students and exhibitors are invited to join the conference and share not only work and results but also their valuable experience, contributing to the enjoyment of the international community.

### Important Dates

February 15, 2013	Abstract Submission deadline. Deadline application for young scientist award
May 2, 2013	Notification of acceptance and presentation modality
July 1, 2013	Deadline to obtain reduced fee
July 1, 2013	5th School registration deadline
August 1, 2013	Submission deadline bids to host SSD18
September 19 to 21, 2013	5th School
September 22 to 27, 2013	SSD17 Conference
November 1, 2013	Manuscript submission deadline