



Announcement of  
**19<sup>th</sup> International Conference on Solid State Dosimetry**  
 15-20 September 2019 | Hiroshima, Japan



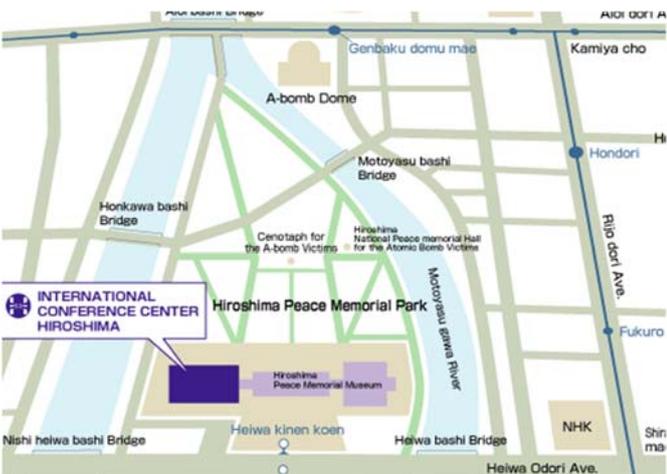
ssd19.org



The series of solid state dosimetry conferences began in 1965 at Stanford, USA and since then it has expanded involving the advanced techniques for radiation dosimetry and relevant experts from all over the world. This 19<sup>th</sup> Conference (SSD19) will be the first conference in Asia.

**✓ Venue**

International Conference Center Hiroshima  
 - Located at the center of Hiroshima City, next to the downtown



**✓ Hosting Society**

International Solid State Dosimetry Organization (ISSDO)



issdo.org

**✓ Conference President**

Dr. Hiroshi YASUDA  
 Professor, Hiroshima University  
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**✓ Honorary President**

Dr. Takayoshi YAMAMOTO  
 Emeritus Professor, Osaka University  
 & Chiyoda Technol Corporation

**✓ Local Organizing Committee**

Dr. Harry CULLINGS (RERF, Hiroshima)  
 Dr. Satoru ENDO (Hiroshima Univ.)  
 Dr. Eric GRANT (RERF, Hiroshima)  
 Dr. Satoru NAKASHIMA (Hiroshima Univ.)  
 Dr. Hiroshi YASUDA (Hiroshima Univ.)

## ☑ Major Conference Topics

Basic physical processes

- *Mechanism/modelling on TL, OSL, DPR, RL, RPL, TSEE, etc.*

Materials characteristics

- *Characteristics on synthetic/ natural materials*

Instrumentation/ detectors

- *Luminescent detectors/ scintillators/ FNTD*
- *Semiconductor/ diamond detectors*
- *Track detectors*
- *Fricke and polymer gels/ radiochromic dyes*
- *Superheated emulsions*
- *Novel detection techniques*

Monitoring and detection

- *Individual*
- *Environmental*
- *High-level radiation dosimetry*
- *Space and aviation dosimetry*

Dosimetry for medicine & biology

- *For radiation therapy (photons, protons, carbons, neutrons & RI sources)*
- *For diagnostic radiology*

Dose reconstruction

- *Luminescence dating*
- *ESR dating*
- *Retrospective dosimetry*
- *Accident dosimetry*

and other topics relevant to radiation dosimetry with solid state detectors



## ☑ Conference Format

The Conference include invited lectures, oral and poster presentations. Also, technical exhibitors will be present.

## ☑ Conference Proceedings

The proceedings will be published within one year after the Conference on an international journal through the standard peer-review process.

## ☑ Marko Moscovitch School

A summer school named 'Marko Moscovitch School' will be offered on **11-14 September 2019** in Hiroshima City. The aim of this School is to teach the skills and knowledge needed to understand the principles and application of dosimetry based on solid state detectors through the lectures by world-class scientists. The topics with lecturers' names will be announced on the Conference web site ([ssd19.org](http://ssd19.org)) in due course.

