



Izumo-Taisha Grand Shrine

The topics range from fundamental laser-material interactions, theory and modeling to applications with nanoparticles and nanophotonics as well as new trends in photo excitations. The conference intends to create an atmosphere for scientific presentations at the forefront of the field and an informal exchange of ideas in a relaxing environment.

■ CONFERENCE TOPICS (Tentative)

- * Fundamental mechanisms of photo-excited processes, modeling and theoretical analysis
- * Laser deposition of thin films, multilayers, functional coatings and nanostructured materials
- * Laser/photon etching, writing, patterning, micro- and nano-fabrication
- * Nanoscale processing by nanophotonic methods
- * Plasmon-enhanced laser processing
- * Resonant and non-resonant processes in photon-induced materials processing
- * Laser-induced desorption from surfaces: electronic and thermal mechanisms, applications
- * Laser ablation: fundamental mechanisms, applications to cutting, drilling, generation of clusters and nanoparticles
- * Laser-induced phase transformations, melting, crystallization and amorphization
- * Photonic and laser-assisted surface treatment: laser cleaning, doping, alloying, sintering, annealing
- * Controlling the optical, mechanical, and chemical properties of surfaces by laser processing
- * 3D photofabrication for photonics and biomedical applications
- * Femtosecond lasers and new applications in materials science and technology
- * Ultrahigh power laser applications
- * Laser and photon diagnostic techniques, plume/plasma spectroscopy
- * Probing ultrafast processes with time-resolved X-ray and electron diffraction
- * Laser and photon interactions with organic materials, medical and analytical applications, MAPLE, MALDI, microprobes

■ ABSTRACT DEADLINE; APR 11, 2014

■ HISTORY of ICPEPA

- ICPEPA has almost 20 years of history.
- ICPEPA-1: 1993 Sendai, Japan
 - ICPEPA-2: 1995 Jerusalem, Israel
 - ICPEPA-3: 1999 Strasbourg, France
 - ICPEPA-4: 2004 Lecce, Italy
 - ICPEPA-5: 2006 Charlottesville, USA
 - ICPEPA-6: 2008 Sapporo, Hokkaido, Japan
 - ICPEPA-7: 2010 Copenhagen, Denmark
 - ICPEPA-8: 2012 Rochester NY, USA

■ ORGANIZATION

Conference chairs:

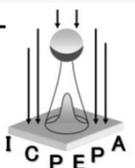
Koji Sugioka, RIKEN, Japan
Yasuyuki Tsuboi, Osaka City University,
Japan

Steering panel:

Chunlei Guo, University of Rochester, USA
Peter Hess, University of Heidelberg,
Germany
Aaron Peled, Holon Academic Inst. of
Technol., Israel
Jørgen Schou, Technical University of
Denmark, Denmark
Leonid Zhigilei, University of Virginia, USA

■ ADMINISTRATIVE CONTACT

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Please visit
<http://icpepa9.com>



■ VENUE

Kunibiki Messe (convention center) is located on the center of Matsue city.



■ Horikawa pleasure boat



■ Yushien garden



■ Matsue city



Matsue is a beautiful town, surrounded by water and blessed with an abundance of beautiful natural scenery.

At the beginning of the 17th century, a feudal lord built a formidable castle on a beautiful area of land, on the banks of a Lake and surrounded by pine trees. This castle became the center of a castle town, and this was the beginning of the city of Matsue.

There is also a large number of artifacts from the period when the ancient Izumo culture flourished (4th - 8th century), as well as a number of cultural assets from middle ages and more modern times, including Matsue Castle. In 1951, Matsue was designated as an International Culture and Sightseeing City.

■ ACCESS to Matsue city



■ PLACES TO VISIT

■ Izumo-Taisha Grand Shrine



Dedicated to the Shinto god of marriage, Okuninushi-no-mikoto, Izumo Taisha is one of the oldest and most sacred shrines in Japan. The inner shrine is constructed in the Taisha-zukuri style, Japan's oldest form of shrine architecture, and has been designated a national treasure. Each year during the 10th month of the lunar calendar, the gods from throughout Japan congregate at Izumo Taisha for their annual meeting. Only in Izumo is this month known as "The Month With Gods."

The Shimenawa Rope that hangs at the shrine is the largest in Japan, weighing an impressive 5 tons.