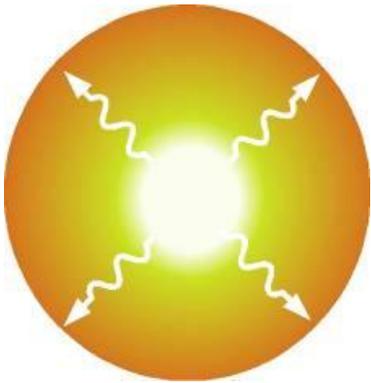


# Fifth International Conference on Optical, Optoelectronic and Photonic Materials and Applications 2012

Fifth International Conference on  
Optical and Optoelectronic Properties of Materials and Applications

## ICOOPMA 2012

<http://icoopma12.org>



**ICOOPMA2012**  
**3 - 7 June 2012**  
**Nara, Japan**

Nara is one of the most beautiful cities in Japan, not far from Kyoto. It is the capital of the Nara Prefecture in the Kansai region. It was the ancient imperial capital of Japan from 701 to 784. According to the legendary history of Kasuga Shrine, a mythological god Takemikazuchi arrived in Nara on a white deer to guard the newly built capital of Heijō-kyō. Since then the deer have been regarded as heavenly animals, protecting the city and the country. The deer wander around the city and add to its beauty; visitors enjoy feeding the deer. June is a perfect season to visit Nara with the day-time average temperatures around 22 °C. Nara can be easily reached from Osaka (Kansai International Airport) or Kyoto.

An international conference on optical, optoelectronic and photonic materials for a wide range of applications from telecommunications to photovoltaics; and optical, optoelectronic and electro-optic properties of all classes of materials and material systems.



Tōdai-ji's Golden Hall is a Japan's National Treasure, in Nara, Japan



Entrance of to Kofukuji Temple, Nara Prefecture, Japan

## CONFERENCE CHAIRS

*Hiro Yoshi Naito*

Conference Chair and Program Chair

Osaka Prefecture University, Japan

*Setsubisa Tanabe*

Conference Co-Chair, Kyoto University, Japan

## SCOPE

Optical and optoelectronic properties of a wide range of materials and materials systems, such as single crystals, polycrystalline bulk and film samples, amorphous materials, organics, polymers, photonic crystals and nanostructures, quantum wells, wires and dots

- Excitonic processes
- Luminescence, Phosphors, Scintillators and Applications
- Photoinduced effects
- Electro-optic properties and applications
- Nonlinear optical properties and applications
- Materials for optoelectronics and photonics
- Nano-optoelectronics and Nanophotonics
- Photoconductivity, photogeneration, quantum efficiency
- Optically induced processes
- Optical fibers
- Materials for optical storage
- Photovoltaic materials
- Experimental techniques
- Optoelectronic and photonic devices
- Optical components for telecommunications
- Applications of materials in photonics and optoelectronics

## SESSIONS

Optical properties of materials

General

Crystals

Polycrystalline bulk and film

Amorphous and organics

Nanostructures, including photonic crystals

Quantum Dots

Quantum Wires

II-VI and Related Semiconductors Including Alloys

III-V and Related Semiconductors Including Alloys

Oxide Semiconductors

Silicon Photonics

a-Si:H, a-SiN:H, a-SiC:H, a-SeGe:H

Nonoxide Glasses and Chalcogenide Glasses

ZBLAN and Oxyfluoride Glasses

Excitonic Processes

Luminescence, Phosphors and Applications

Photoinduced Effects and Applications

Photoconductivity and Photogeneration

Nonlinear Optical Effects and Applications

Electro-Optic Effects and Applications

Semiconductors for Optoelectronics (including wide bandgap materials) for applications in lasers, photodetectors, waveguides, modulators etc.

Light Emitting Devices (including organics)

Photonic and Optoelectronic Materials and Devices

Quantum Wells, Quantum Wires, Quantum Dots,  
Nanophotonics and Nano-Optoelectronics

Optical Storage

Photovoltaics (materials and devices, and their properties)

Waveguides and Fibers

Integrated Photonics

Experimental Techniques

Photoreflectance

Photonic Bandgap Materials and Nonlinear Photonic  
bandgap materials

Defect Spectroscopy

Femtosecond Spectroscopy

Optical Fibers and Fiber Sensors

Plasmons and Surface Plasmons

Selected Topics (e.g. Photocatalysis in Materials, Materials  
for Energy Conversion etc)

## ICOOPMA HISTORY

ICOOPMA12 is the fifth in the ICOOPMA series, an International Conference on Optical, Optoelectronic and Photonic Materials and Applications, which was held for the first time in Darwin, Australia, in 2006. ICOOPMA07, 08 and 10 were held in London, England (2007), Edmonton, Canada (2008), and Budapest, Hungary (2010), and each had over 250 participants and several plenary lectures from world's top researchers. The ICOOPMA series arose from a need for such a conference for those researchers who sought a truly international conference that covered a wide range of materials and applications in optics, optoelectronics and photonics. The International and Local Organizing Committees have the responsibility of ensuring an in-depth scientific coverage with invited and contributed papers from various countries and in various disciplines; and ensuring an enjoyable scientific program. By tradition, the conference has a large number of invited papers from top researchers in various fields to review the advances and bring the audience up-to-date. The plenary and invited talks are the most exciting part of the scientific program; and for finding out the advances, challenges and the current problems. <http://icoopma.org>

## VENUE AND CONTACTS

Nara-Ken New Public Hall, Nara, Japan

<http://icoopma12.org>

[office@icoopma12.org](mailto:office@icoopma12.org)

## IMPORTANT DATES

Oral abstract Submission: 10 February 2012

Poster abstract submission, 31 March 2012

Early registration: 17 March 2012

## CONFERENCE PROCEEDINGS

Physica status solidi c

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1610-1642a](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1610-1642a)