Third International Conference on Optical, Optoelectronic and Photonic Materials and Applications 2008

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

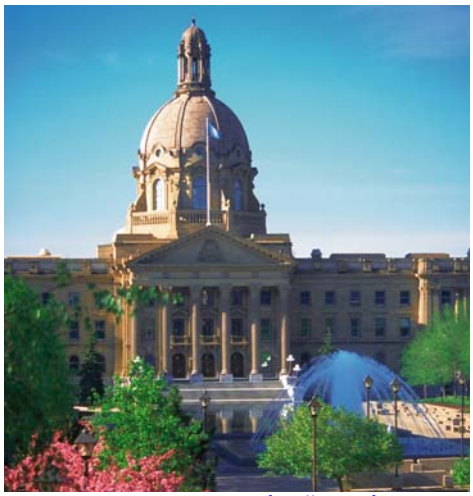
ICOOPMA 2008

http://www.icoopma.org
http://icoopma2008.usask.ca

ICOOPMA08
Edmonton, Canada
20 -25 July 2008

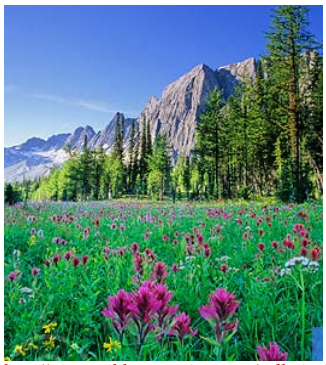
TRLabs

UNIVERSITY OF ALBERTA
EDMONTON, ALBERTA, CANADA



http://www.edmonton.com

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. Edmonton is the capital of Alberta and is a thriving cosmopolitan city with many exciting things to do. It is close to Jasper Park and not far from the Canadian Rockies. The University of Alberta is one of the top universities in Canada. The conference will be held at the Lister Conference Centre on campus.



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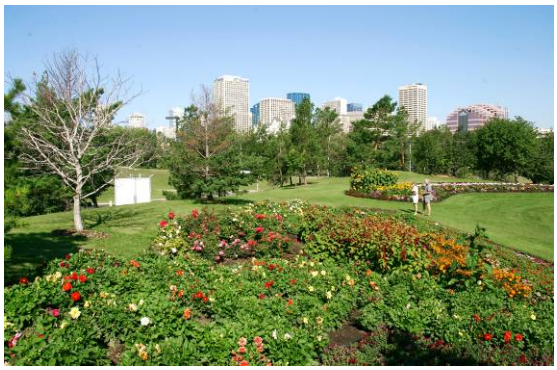

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LOCAL ORGANIZING AND PROGRAM COMMITTEES

Safa Kasap, *Chair*, University of Saskatchewan; Ray Decorby, *Vice-Chair*, University of Alberta; Frank Hegmann, *Vice-Chair*, University of Alberta; Chris Haugen, *Vice-Chair Industry*, TRLabs, Edmonton; Linda Richens, *Conference Secretary*, TRLabs, Edmonton; Al Meldrum and Ying Tsui, University of Alberta; Cyril Koughia and Robert Johanson, University of Saskatchewan; Raman Kashyap, Ecole Polyetchnique, Montreal; Siegfried Janz, NRC, Ottawa; Peter Mascher, McMaster University; Harry Ruda, University of Toronto; Frank van Veggel, University of Victoria; Nazir Kherani, University of Toronto; Stephen O'Leary, University of Windsor; David Lockwood, NRC, Ottawa.

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

ICOOPMA08 is the third in the ICOOPMA series, an International Conference on Optical, Optoelectronic and Photonic Materials and Applications, sponsored by Springer, that was held for the first time in Darwin, Australia, in July 2006. ICOOPMA07 was held in July in London, England, and had over 250 participants and five plenary lectures. 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.

VENUE AND CONTACTS

University of Alberta Lister Conference Center

http://icoopma2008.usask.ca
http://www.icoopma.org

Linda Richens, Conference Secretary: lrichens@trlabs.ca
Ray DeCorby, Vice-Chair: rdecorby@trlabs.ca
Frank Hegmann, Vice-Chair: hegmann@phys.ualberta.ca
Safa Kasap, Chair: safa.kasap@usask.ca

IMPORTANT DATES

Abstract Submission: 17 March 2008
Acceptance: 4 April 2008
Early registration: Friday 19 April 2008