Sixth International Conference on Optical, Optoelectronic and Photonic Materials And Applications 2014

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

ICOOPMA 2014

http://www.icoopma14.org

Located in beautiful West Yorkshire in northern England, Leeds is the third largest city in the UK. It is considered to be an important cultural, financial and commercial center in northern England with striking architecture, numerous restaurants, theaters, galleries and museums. The University of Leeds was founded in 1904 and is among the top universities in the UK and among the top 100 in the world. William Henry Bragg (Nobel Laureate, 1915 shared with his son, William Lawrence Bragg) carried out his pioneering X-ray diffraction experiments while he was the Cavendish Chair at the University Leeds. The conference will be held in the Faculty of Engineering at the University of Leeds, one of the largest universities in the UK situated on the edge of the city center.

ICOOPMA2014

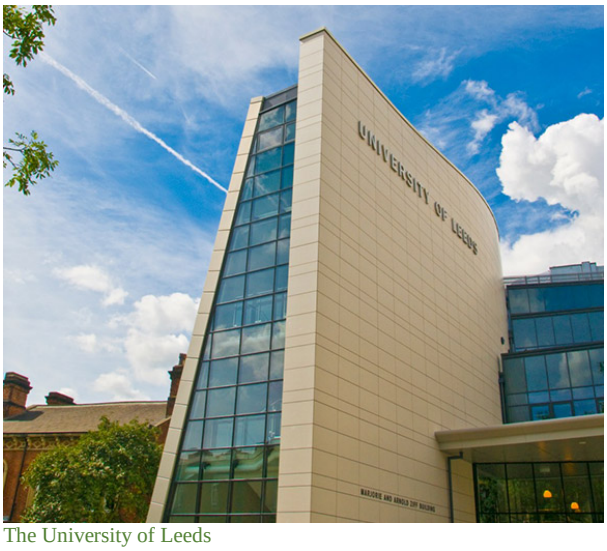
27th July – 1st August

Leeds, UK

UNIVERSITY OF LEEDS

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.

The University of Leeds



The University of Leeds

CONFERENCE CHAIRS AND LOCAL ORGANIZING AND PROGRAM COMMITTEES

Animesh Jha
Conference Chair and Program Chair
University of Leeds, UK
Stephen Sweeney
Conference Co-Chair, University of Surrey, UK

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 sixth 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, 10, 12 were held in London, England (2007), Edmonton, Canada (2008), Budapest, Hungary (2010), and Nara, Japan and each had over 200 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. ICOOPMA is a non-profit conference run by scientists for scientists without any institutional constrains and restrictions: http:// icoopma.org

VENUE AND CONTACTS

The conference will be held in the Faculty of Engineering at the University of Leeds
http://www.icoopma14.org
For general enquiries and registration enquiries please contact the ICOOPMA14 Conference Secretariat at:
E: ICOOPMA14@leeds.ac.uk
T: +44 (0)113 343 8104
F: +44 (0)113 343 2511

IMPORTANT DATES

Call for abstract: Opens Friday 1 November 2013
Oral abstract Submission: Monday 17 March 2014
Poster abstract submission, Friday 30 May 2014
Abstract acceptance: Thursday 10 April 2014

Full paper submission: Sunday 31 August 2014
Registration: Opens Monday 27 January 2014
Early registration: Before Friday 30 May 2014

INTERNATIONAL PROGRAM COMMITTEE

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Amin Abdolvand, University of Dundee, UK
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Sandor Kugler, Budapest University of Technology, Hungary (Conference Chair, 2010)
Hiroyoshi Naito, Osaka Prefecture University, Japan (Conference Chair, 2012)
Asim Ray (Emeritus), Brunel University (Conference Chair, 2007)
Jai Singh, Charles Darwin University, Australia (Conference Chair, 2006)
Stephen Sweeney, University of Surrey, UK (Conference Co-Chair, 2014)
Setsuhisa Tanabe, University of Kyoto, Japan (Conference Co-Chair, 2012)

LOCAL ORGANIZING COMMITTEE

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Dan Hewak, University of Southampton
David Binks, University of Manchester
Tom Brown, University of St Andrews
Richard A Hogg, University of Sheffield
Gin Jose, University of Leeds
Tony Kenyon, University College London
Asim Ray, Queen Mary & Westfield
Billy Richards, University of Leeds
Angela Seddon, University of Nottingham

Keynote Speaker

Sir David Neil Payne
Professor at the University of Southampton and Director of the Optoelectronics Research Centre

Plenary Lectures

Neil Greenham
Professor, Department of Physics, University of Cambridge, UK

James Harris,
James and Ellenor Chesebrough Professor, Department of Electrical Engineering, Stanford University, USA

Ortwin Hess
Leverhulme Chair in Metamaterials, Co-Director, Centre for Plasmonics & Metamaterials; The Blackett Laboratory and Department of Physics, Imperial College London, London, UK

Stephen Elliott
Professor, Department of Chemistry, University of Cambridge, UK

Jerry R Meyer
Navy Senior Scientist for Quantum Electronics (ST) and Acting Head of the Quantum Optoelectronics Section, Naval Research Laboratory, Washington DC

C. Kumar N Patel
President and CEO of Pranalytica, Santa Monica, California, USA

Wolfgang Stolz
Professor and Co-Head of the Structure and Technology Research Laboratory in the Material Sciences Center at Philipps-University of Marburg (Germany)

INVITED SPEAKERS

Jean-Luc Adam, University of Rennes 1, France
Amin Abdolvand, University of Dundee, UK
Dominique Ausserre, The Institute of Molecules and Materials of Le Mans, France
David Binks, University of Manchester, Manchester UK
Rana Biswas, Iowa State University & AMes Laboratory, USA
Alain Braud, CIMAP Lab., University of Caen, France
Guilio Cerullo, Dipartimento di Fisica, Politecnico di Milano, Italy
Monica Craciun, Centre for Graphene Science, University of Exeter, UK
Giuseppe Della Valle, Politecnico di Milano, Italy
Heike Ebendorff-Heidepriem, The University of Adelaide, Australia
Vassili Fedotov, ORC, University of Southampton, UK
Toney Fernandez, CSIC Madrid, Spain
Miloslav Frumar, University of Pardubice, Czech Republic
Boris Galagan, Russian Academy, Moscow
Malte C. Gather, University of St Andrews, UK
Jose Gonzalo, Laser Processing Group, Instituto de Optica, CSIC, Spain
James Greer, PVD Products, USA
Duncan Hand, Heriot-Watt University, Edinburgh
Olav Gaute Hellesø, University of Tromsø, Norway
Jong Heo, POSTECH, Pohang, South Korea
Sven Höfling, University of St Andrews, Scotland
Richard Hogg, University of Sheffield , UK
Chung-Che Huang, Southampton University, UK
Raman Kashyap, Ecole Polytechnique de Montreal,
Andrey Kazanskii, M.V. Lomonosov Moscow State University, Russia
Nazir Kherani, University of Toronto, Canada
Jonathan Knight, The University of Bath, UK
Roger Lewis, Wollongong, Australia
Huiyun Liu, University College London, UK
James Lloyd-Hughes, University of Warwick, UK
David Lockwood, NRC, Canada
Marian Marcinak, National Institute of Telecommunications, Department of Transmission and Optical technologies
Andrew Marshall, Lancaster University, UK
Maurizio Martino, Università del Salento, Lecce, Italy
Peter Mascher, McMaster University, Canada
Younes Messaddeq, University of Laval, Quebec, CA
Benjamin Metcalf, University of Oxford, UK
Daniel Milanese, Politecnico di Torino, Italy
Kohki Mukai, Yokohama National University, Japan
Hiroyoshi Naito, Osaka Prefecture University, Japan
Jayakrupakar Nallala, University of Exeter, UK
Geoffrey Nash, University of Exeter, UK
Yasutake Ohishi, Toyota Technological Institute, Nagoya, Japan
Derek Oliver, University of Manitoba, Canada
Yannick Petit, Université Bordeaux, France
Mihai Popescu, University of Bucharest
Annie Pradel, Université Montpellier, France
Debabrata Pradhan, Indian Institute of Technology, Kharagpur, India
Gaddam Vijaya Prakash, Indian Institute of Technology Delhi, India

Pierre Ruterana, CNRS/CIMAP, Caen, France
Jayanta Kumar Sahu, University of Southampton, UK
Gaetano Scamarcio, University of Bari, Italy
Angela Seddon, University of Nottingham, UK
Brandon Shaw, Naval Research Laboratory
Mark Silver, Thales UK, UK
Jai Singh, Charles Darwin University, Australia
Samuel Shutts, Cardiff University, UK
Mitsuru Sugawara, QD Laser, Japan
Yohihiro Takahashi, Tohoku University, Japan
Setsuhisa Tanabe, Kyoto University, Japan
Lucia Torsi, University of Bari Aldo Moro, Italy
Yuen Hong Tsang, The Hong Kong Polytechnic University, Hong Kong
Tao Wang, The University of Sheffield, UK
Ji Wang, Corning Inc, USA
Tomas Wagner, Univerzita Pardubice, Czech Republic
Rafal J Wiglusz, Polish Academy of Sciencs, Wroclaw
James Wilkinson, University of Southampton, UK
Masahiro Yoshimoto, Kyoto Institute of Technology, Japan

ICOOPMA14 WORKSHOP

Chair: Dan Hewak, University of Southampton

Introduction to Advanced Photonic Materials

University of Leeds

Sunday 27 July 2014, 13:00 – 17:30

Topics

Graphene – University of Exeter Graphene Centre

Organic Optoelectronic Complexes – Advanced Technology Institute – University of Surrey

Amorphous Semiconductors – University of Cambridge

Metamaterials – Centre for Nanostructured Photonic Metamaterials – University of Southampton

Speakers

Introduction to Organic Optoelectronic Complexes, Richard Curry, Advanced Technology Institute, University of Surrey

Introduction to Metamaterials, Vassili Fedotov, Centre for Nanostructured Photonic Metamaterials, University of Southampton

Introduction to Graphene, Monica Craciun, University of Exeter Graphene Centre

Introduction of Amorphous Semiconductors, Jiri Orava, Department of Materials Science & Metallurgy at the University of Cambridge and the Advanced Institute for Materials Research, Tohoku University, Japan

CONFERENCE PROCEEDINGS

General Conference Proceedings is

J. Physics: Conference Series
(Open Access)

Selected papers will be published in

Semiconductor Science and Technology (Institute of Physics)

REGISTRATION FEES

Early Registration Fee – on or before Friday 23 May 2014

Regular	£542.00
Student	£307.00
Invited Speaker	£487.50

Standard Registration Fee - from Saturday 24 May 2014

Regular	£642.00
Student	£352.00
Invited Speaker	£578.50

On-site registration fee

Regular	£677.00
Student	£407.00

Conference fee includes: Attendance at all the sessions; Book of Abstracts; refreshments and lunches; registration and poster session buffets; conference banquet and keynote address; and conference excursion.

Workshop Registration fee £100.00
Workshop fee includes: Attendance at the workshop; relevant workshop materials; and afternoon refreshments.
Bookings and payment, by credit or debit card, should be completed through our secure Online Store.
For online booking queries, other enquiries, or potential delegates who have any special requirements, please contact the ICOOPMA 2014 Conference Secretariat as soon as possible:
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T: + 44 (0)113 343 8104
E: ICOOPMA14@leeds.ac.uk

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