

The 2010 International Symposium on Optoelectronic Materials and Devices

*Marriott Downtown Magnificent Mile Hotel
July 12 – July 13 2010
Chicago - IL, USA*



Chicago Marriott Downtown Magnificent Mile Hotel



Chicago—Buckingham Fountain

The goal of this symposium is to offer a venue for discussions and the exchange of ideas on the areas of **solar photovoltaics, infrared photovoltaics and light emitting diodes (LEDs)**. The common foundation of these three subjects yet often disparate R&D efforts motivates this symposium, which aims to bring together associates who otherwise may not interact.

The symposium will provide a well organized international forum to review and discuss recent progress and future trends in the rapidly advancing field of photonic materials and devices. The symposium will cover a broad range of physics and application such as emerging trends in solar energy, infrared detection, solid state lighting, and related quantum functional materials and devices.



This symposium has been jointly organized by Quantum Functional Semiconductor Research Center (QSRC) of Dongguk University, S. Korea, Sivananthan Laboratories Inc, Bolingbrook, IL USA and Microphysics Laboratory (MPL) of the University of Illinois at Chicago, USA. It is 7th in series and was formerly known as the "International Symposium on Quantum Functional Systems". QSRC, EPIR and MPL partner on various research areas and their partnership contributes to the training of many undergraduate and graduate students in the area of Applied Physics.

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Confirmed Speakers:

Dr. Giacomo Badano, CEA-Leti-Minatec, France

Dr. Allen Barnett, University of Delaware, USA

Dr. Gail Brown, Air Force Research Laboratory, Materials & Manufacturing Directorate, USA

Dr. Mike Carmody, EPIR Technologies Inc., USA

Dr. Anvin Compaan, University of Toledo, USA

Dr. Nibir Dhar, DARPA/MTO

Dr. Neelkanth Dhere, Florida Solar Energy Center, USA

Dr. Michael Flatte, University of Iowa, USA

Dr. Tim Gessert, National Renewable Energy Laboratory, USA

Dr. Siddhartha Ghosh, University of Illinois at Chicago, USA

Dr. Randy Jacobs, U.S. Army RDECOM CERDEC, Night Vision and Electronic Sensors Directorate, USA

Dr. Sanjay Krishna, University of New Mexico, USA

Dr. Matt Law, University of California, Irvine, USA

Mr. Minh Le, Solar Energy Technologies Program, Department of Energy, USA

Dr. David Mitzi, IBM T. J. Watson Research Center, USA

Dr. Greg Nielson, Sandia National Laboratory, USA

Dr. Unil Perera, Georgia State University, USA

Dr. Ashok Sood, Magnolia Solar Inc., USA

Dr. Martha Symko-Davies, National Renewable Energy Laboratory, USA

Dr. Andreas Waag, Braunschweig University, Germany

Dr. Masafumi Yamaguchi, Toyota Technological Institute, Japan

Dr. Kazuhito Yasuda, Nagoya Institute of Technology, Japan.

Dr. Gyu-Chul Yi, Seoul National University, S. Korea.

Dr. Yong-Hang Zhang, Arizona State University, USA.

Updates on the symposium will be sent to the participants via email and uploaded on the website, www.epir.com, as they become available .

Symposium website: <http://www.epir.com/symposium.html>

This symposium is sponsored by:



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Venue:

Chicago Marriott Downtown Magnificent Mile Hotel

www.chicagomarriottdowntown.com

540 North Michigan Avenue, (Driveway Entrance on 541 North Rush Street)

Chicago, Illinois 60611 USA Phone: 1-312-836-0100, Fax: 1-312-836-6139

Symposium Cochairs:

Timothy J. Coutts, Ph.D. Emeritus, NREL, USA

Christoph H. Grein, Ph.D. Transitional President, Sivananthan Laboratories Inc, USA.

Tae Won Kang, Ph.D. Professor of Physics and Director, Quantum Functional Semiconductor Research Center, Dongguk University, S. Korea

Sivalingam Sivananthan, Ph.D. Distinguished Professor of Physics, Director of Microphysics Laboratory University of Illinois at Chicago, IL.

Organizing Committee:

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