

Venue

KINTEX(Korea International Exhibition Center), Goyang, Gyeonggi-do, KOREA

<http://www.KINTEX.com>

- Easy access from Incheon International Airport(46Km) and Seoul Metropolitan City Hall(25Km)

- Many Hotels are available around KINTEX

Industry Tour Program

IUMRS-ICEM 2010 is planning to provide free Industry Tour Program. This program will be prepared by the support from Korean companies in the related field, such as Samsung Electronics, Hynix, LG display or others.

Excursion (Optional)

The delegates to IUMRS-ICEM 2010 may participate the optional Excursion program. The program will be arranged for visiting and enjoying the Korean historic sites or Seoul's landmarks.

Exhibition

The organizing committee is pleased to invite products companies, equipment suppliers, consultants and authorities related to electronic materials for the exhibition during the conference. Basic supplies and utilities will be provided for the exhibition.

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Homepage

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Call for Abstract

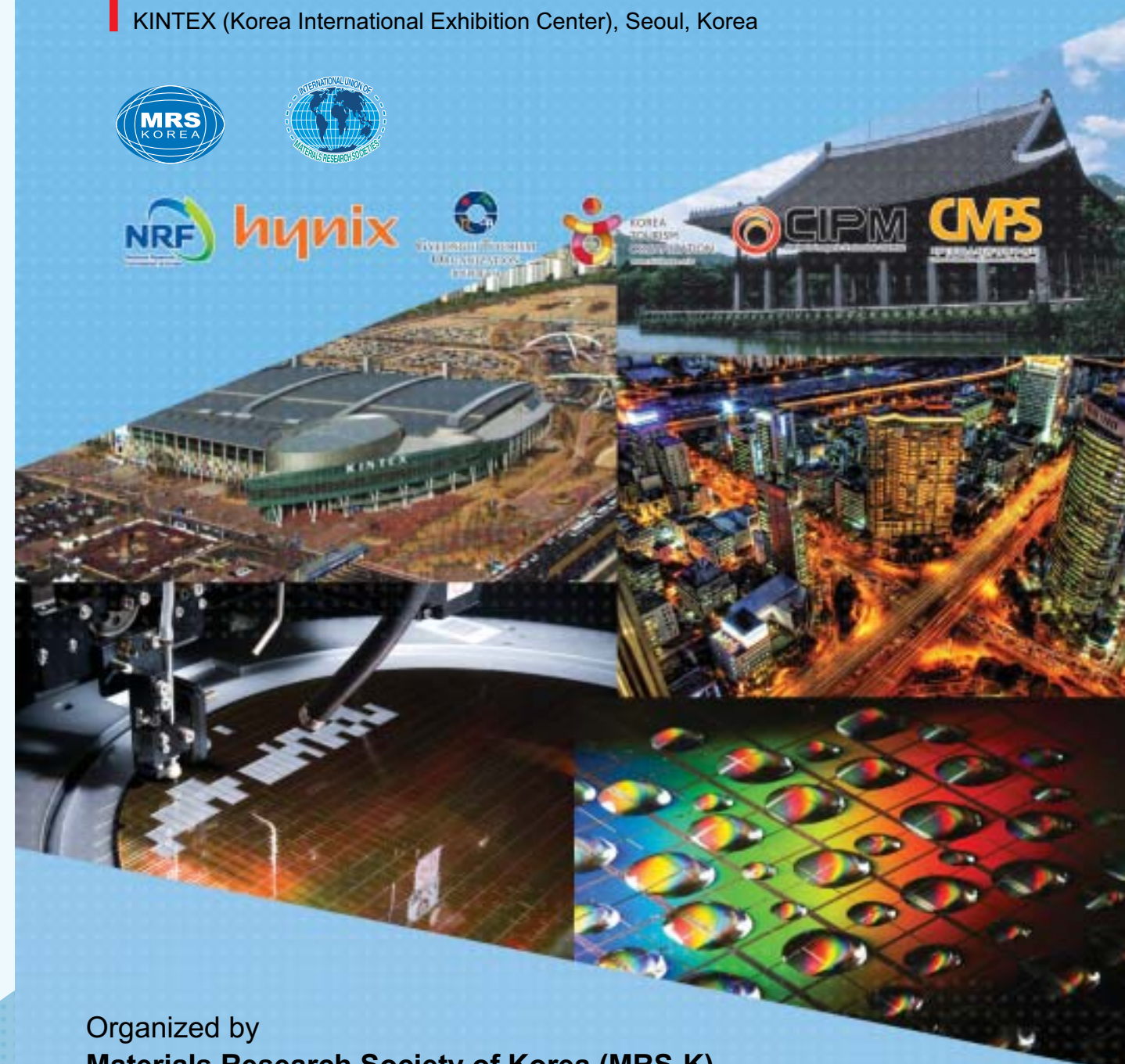


International Union of Materials Research Societies
- International Conference on Electronic Materials 2010

IUMRS-ICEM 2010

August 22nd (Sun.) - 27th (Fri.), 2010 / 6 days

KINTEX (Korea International Exhibition Center), Seoul, Korea



Organized by
Materials Research Society of Korea (MRS-K)

Invitation

Materials Research Society of Korea cordially invites you to participate in the IUMRS-ICEM 2010, which will be held from 22nd (Sun.) to 27th (Fri.) August, 2010 at KINTEX, Seoul, Korea.

It is proposed symposia that represent the general topics of electronic materials, processing, devices and characterization. Especially energy saving electronic materials and processing will be emphasized. Thus all participants are welcoming to share their scientific results and discussions in the conference.

We are hoping your devotion to IUMRS-ICEM 2010 and having great chance to exchange the scientific results and friendship with other material scientists from many countries.

We look forward to seeing you in KINTEX, Seoul, Korea in 2010.

With best regards,

Hyeong Joon Kim

General Chair, IUMRS-ICEM 2010

Scope

The IUMRS-ICEM2010 provides an international forum for reporting progress and recent advances in the modern development of electronic materials, processing and applications.

In IUMRS-ICEM2010, the symposia include a variety of electronic materials and processing technologies related to Semiconductors processing and devices, Solar cells and LEDs related materials, Thin films science and technology, Molecular/Organic electronics, and Nano-materials.

Symposia

- A. Molecular and Organic Electronics
- B. Materials and devices for future logic technology
- C. Materials, Processing, and Devices for Nonvolatile Memories
- D. Wide Bandgap Semiconductors (III-Nitrides, ZnO, SiC and Diamond)
- E. Material Systems and Processes for Three-Dimensional Micro- and Nanoscale Fabrication
- F. Challenges in Interconnect and Packaging for Next-Generation Devices
- G. Solar Cells and Related Materials
- H. Materials and Devices for Fuel Cells
- I. Light-emitting diodes: solid-state lighting and back light unit applications
- J. Flexible displays and electronic papers
- K. Plasma Applied to Nanotechnology
- L. Advanced Electroceramic Materials and Devices: Microwave Dielectrics, Tunable Devices, Piezoelectrics and Actuators
- M. Direct Writing and Printed Electronics; Materials, Processing and Applications
- N. Thin film science and technology for Si semiconductor
- O. Functional Metal-Oxide Nanostructures ; Complex oxide nanostructure, Sensors Devices, Multiferroic
- P. Nanoscale Functionalization and New Discoveries in Modern Superconductivity
- Q. Computational Design for Next Generation Electronic Materials
- R. Semiconducting Nanowires - synthesis, properties, and applications
- S. Process Technology Related to the Fabrication of Nano Structured Devices
- T. Self-Assembling Materials and Processes from Fundamental Phenomena to Nanomanufacturing
- U. Materials Education: Changing Needs, New Resources, Curriculum Development
- V. Materials World Network

Plenary Speakers

Peter Grünberg

Nobel Prize in Physics 2007

Scientific Staff at IFF-Institute of Forschungszentrum, Jülich

Title: *"The discovery of RKKY type interlayer exchange coupling: from Spinwaves to Electronic Waves"*

Manijeh Razeghi

Walter P. Murphy Professor and Director Center for Quantum Devices

Department of Electrical Engineering and Computer Science, Northwestern University

Title (tentative): *"Quantum optoelectronic devices from UV to THz at CQD; recent advances and future trends"*

Sang Soo Kim

Samsung Mobile Display

Tomoji Kawai

The Institute of Scientific and Industrial Research, Osaka University

WCU Konkuk University

Title (tentative): *"Green Nanotechnology for the electric energy saving and human health"*

More plenary speakers will be announced as soon as possible.

Call for Abstract

There will be 22 Symposia covering contemporary topics of importance for the science, engineering and technology of electronic materials. The technical program includes Plenary, Keynote, Invited, Oral and Poster presentations. Many international exhibitors from all sectors of materials science and engineering communities will also be showcasing their products and equipments during the conference.

IUMRS - ICEM 2010 is expected to have over 1,000 research scientists and engineers from many countries and will provide a multidisciplinary forum as well as the opportunity to share and exchange ideas with some friendship each other in the field.

Abstract Submission

Authors are invited to submit their abstracts at the conference website which will be opened on January 11, 2010.

The one page abstract should be written in English using the template which will be provided on website.

Full paper at the conference will be published in several SCI listed journals after peer review.

- Microelectronic engineering
- Journal of Nanoscience and Nanotechnology
- Journal of Crystal Growth
- Journal of Materials Education

Important Dates

Abstract Submission Due: March 31, 2010

Notification to Authors: April 30, 2010

Final Announcement with Program: June 15, 2010

Advance Registration: June 30, 2010

Registration Fee

A. Conference fee

- International Participants

	Before June 30,2010	After June 30, 2010 On-site Registration
Regular participants	USD 650	USD 750
Students	USD 300	USD 400

International regular participants and student fees cover: admission to all Conference sessions, coffee breaks, welcome party, a USB of Conference Program, Banquet, Exhibits, and Industry Tour. The early-bird registration before June 30 offers a discount for the conference fee.

- Domestic Participants

		Before June 30,2010	After June 30, 2010 On-site Registration
Regular participants	Including Banquet	KRW 700,000	KRW 800,000
	Without Banquet	KRW 600,000	KRW 700,000
Students	Including Banquet	KRW 300,000	KRW 400,000
	Without Banquet	KRW 250,000	KRW 350,000

KRW means Korean Won

Domestic regular participants and student fees cover: admission to all Conference sessions, coffee breaks, welcome party, a USB of Conference Program, Exhibits, and Industry Tour. The early-bird registration before June 30 offers a discount for the conference fee.

When you are MRS-Korea regular member, you can receive the MRS-K member discount. Those who want to be MRS-K member at this time please visit mrs-k.or.kr for the regular membership.

- MRS-K regular member participants

	Before June 30,2010	After June 30, 2010 On-site Registration
MRS-K Regular member participants	KRW 550,000	KRW 650,000

KRW means Korean Won

"MRS-K Member" registration rate is applicable to registrants who possess a valid membership with MRS-K. You must be a MRS-K member at the time of registration to receive the MRS-K member discount.

MRS-K regular member participants fees cover: admission to all Conference sessions, coffee breaks, welcome party, a USB of Conference Program, Banquet, Exhibits, and Industry Tour. The early-bird registration before June 30 offers a discount for the conference fee.

B. Additional Conference banquet Ticket

- International accompanying person

	USD 80	Students	USD 50
Regular participants			

- Domestic participants

	KRW 100,000	Students	KRW 50,000
Regular participants			

KRW means Korean Won