

Paper Submission

(Due : March 31, 2012)

All authors are required to upload their submissions to the conference website (www.imid.or.kr). Please prepare your paper in PDF format for the submission. The paper shall consist of 2 pages including illustrations.

The deadline for submission of the paper is **March 31, 2012**. Notification of acceptance of the paper will be sent via an e-mail to the corresponding author by **June 15, 2012**. The submitted paper will either be accepted or rejected based on technical merits evaluated by peer reviewers. The accepted paper might be reassigned to an oral or poster presentations of appropriate topical session at the discretion of program committee.

At least, one author of each accepted paper must complete his/her registration and pay the registration fee by July 31, 2012 (Author Registration Due); otherwise the paper will be withdrawn from the proceedings publication.

Format of Submission

The format of paper will be posted at the conference website (www.imid.or.kr).

Number of pages allowed for each paper of IMID 2012 is 2 pages.

The Title should be concise and informative enough to facilitate understanding of the paper. Acronyms should not be in the Title. Authors' names should preferably be written in full names for all publications to facilitate indexing and avoid ambiguities.

Less than five keywords related to the article should be listed. The Abstract is limited to less than 100 words, which should provide the conclusions and all results of general.

All text must be in a two-column format. The manuscript is recommended to have formal sections of regular papers, i.e., introduction, experimental procedure, results, discussion, summary, acknowledgement and references. However, depending on contents of manuscript, it may not include all the sections listed above. Total number of figures and tables are recommended not to exceed more than 10 in total. Also, the number of references may not exceed 15.

Equations should be neatly typed, punctuated and aligned to bring out their structure, and numbered on the right. Use \times rather than a centered dot, except for scalar products of vectors. The solidus (/) should be used instead of built-up fractions in running text, and in display wherever clarity would not be jeopardized. Use "exp" for complicated exponents. Notation must be legible, clear, compact, and consistent with standard usage.

A Reference section should follow the text. Reference should be made to the full list of authors rather than to first author followed by an abbreviation such as et al.

Format of Presentation

Invited oral presentation to the conference will follow to a 25-minute format (20 minutes for presentation and 5 minutes for questions and answers) and contributed oral presentations to a 20-minute format (15 minutes for presentation and 5 minutes for questions and answers). Poster paper sessions will also be organized.

Awards

Outstanding papers among all the papers submitted to IMID 2012 will be selected for the Awards of Minister of Education, Science and Technology (Republic of Korea), Merck and KIDS. They will be selected by the award committee based upon their originality and the technical significance to information display industry. In addition, Conference Chairman Awards for excellent poster presentation will be presented.

Names of Awards

- Awards of Minister of Education, Science and Technology (Republic of Korea)
 - Grand Award (total 1 paper) : KRW 2,000,000
- Merck Awards – Merck Grand Awards, Merck Young Scientists Awards
 - Merck Grand Award (total 3 papers) : KRW 6,000,000 / 1 paper
 - Merck Young Scientist (total 2 papers) : KRW 1,000,000 / 1 paper
- KIDS Awards (Sponsored by LG Display and Samsung Electronics)
 - Gold (total 2 papers) : KRW 6,000,000 / 1 paper
 - Silver (total 2 papers) : KRW 3,000,000 / 1 paper

Student Travel Grants

We provide travel grant supports to students who present outstanding scientific or technical achievement at the conference. A considerable number of student travel grants, up to USD 500 each, will be given to the students. The deadline for application will be announced soon. Note that the student must be the presenter of the paper, and one person will be picked up per paper.

Criteria for Eligibility

- Be enrolled in an accredited graduate program of a university outside Korea during the conference period.
- Demonstrate the need for travel support and state the significance of attending the conference.
- Be accepted to present your paper at the IMID 2012.

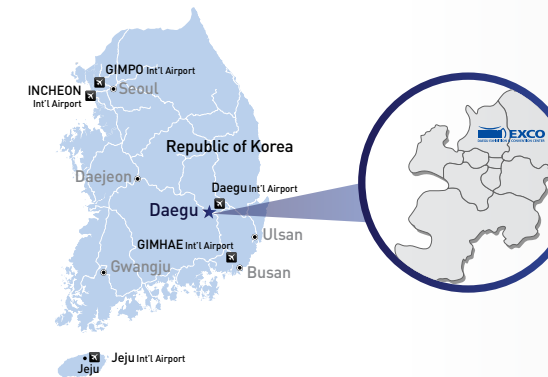
About EXCO, the Venue of IMID 2012



IMID 2012 will be held at the expanded New Building of EXCO, an exhibition convention center in Daegu Korea. EXCO offers 23,000m² of highly flexible exhibition space arranged from 2,000m²~23,000m². Total 5 exhibition halls on 1st, 3rd, 5th levels can be divided into 8 small halls. The column-free convention hall on the 5th floor, with the space of 3,872m², is specially designed for varied large events like conventions, exhibitions, and music concerts. In addition, 34 various size of conference rooms and a 1,600-seat auditorium can make any type of convention and conference successful.



Transportation at a Glance



Please visit the Conference Website (www.imid.or.kr) and click "Transportation" to find the best way to get to IMID 2012 Venue.

Key Dates

Paper Submission Deadline : March 31, 2012 (Sat.)

- Acceptance Notification :
June 5, 2012 (Tue.)
- Late-News Submission Deadline :
June 15, 2012 (Fri.)
- Author Registration :
June 15 (Fri.) ~ July 31, 2012 (Tue.)
- Pre-registration :
June 15 (Fri.) ~ August 10, 2012 (Fri.)

Points of Contact

More information can be found from the website www.imid.or.kr. All requests or inquires for further information regarding IMID 2012 should be directed to the followings.

IMID 2012 General Secretariat

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IMID 2012 Secretariat

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IMID 2012 Program Secretariat

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www.imid.or.kr

First Call for Papers

The 12th International Meeting on Information Display
IMiD 2012
August 28-31, 2012 / EXCO, Daegu, Korea

**Paper Submission Deadline (2 Pages):
March 31, 2012**

Organized by

The Korean Information Display Society (KIDS) 
The Society for Information Display (SID) 

IMiD 2012

The 12th International Meeting on Information Display

Welcome Message

On behalf of the Organizing Committee of the 12th International Meeting on Information Display (IMiD 2012), I would like to sincerely appreciate your attention on the IMiD 2012 to be held at EXCO, Daegu, Korea during August 28~31, 2012.

IMiD 2012 continues a series of annual conferences began in 2001, organized by the Korean Information Display Society (KIDS) and the Society for Information Display (SID). The IMiD has become a premier conference for academic, industry, and business leaders to meet, publish results and share knowledge in the information display with more than 2,500 attendees.

The conference includes keynote presentations, technical oral presentations, tutorials and poster presentations. The IMiD 2012 will also be a great opportunity for everyone attending to enrich his/her professional network as well as an excellent occasion to visit and enjoy one of the most rapidly developing nations in the world, Korea.

We truly hope that you will take this chance to join us in Daegu, to benefit from this grand event, and to lavish in the wonders of the traditional cultures and customs in this hidden jewel of Asia. We will arrange an after-conference tour to Gyeongju - the capital of the ancient dynasty of Silla. Great weather and delicious delicacies mixed with friendly faces and warm welcomes await you.

We are looking forward to seeing all of you in Daegu, Korea in August 2012.
Thank you.



ByoungHo Lee

ByoungHo Lee
Executive Committee Chair of
IMiD 2012

IMiD 2012 Features

- Keynote Addresses
- Technical Sessions will consist of invited and contributed oral presentation sessions and poster paper sessions.
- Tutorials
- Awards
- Student Travel Grants
- Social Events

Keynote Addresses

IMiD 2012 Keynote session will include three keynote speeches by worldly renowned scholars or industry leaders, designed to share insights and future R&D directions of information display industries.

Tutorials

The Tutorials are aimed to provide introductory courses for the newcomers to the information display technologies, and scheduled on August 28, 2012. Prominent speakers will talk for the tutorials the various areas. The topics will be announced soon.



Conference Scope

1. 3D Displays

Technologies for delivering 3rd dimension to viewers: 3D Display Systems including Stereoscopic / Autostereoscopic / Multi-view / Super-multi-view / Volumetric / Holographic Displays; 3D Contents Generation including 3D Image Capture and 2D-3D Contents Conversion; User-interaction with 3D Displays; 3D Image Formats and Standards; 3D Image Compressions; Measurement and performance evaluation for 3D Display; Human Factors

2. Active-Matrix Devices

Advances in development and implementation of activematrix backplanes and all of display & electronic devices with active-matrix backplanes: Active-Matrix LCDs & OLEDs for TV, Monitor, Note-PC and Mobile Device; Novel and High Performance Active-Matrix Display Devices and Addressing Methods; Integrated Active-Matrix Driving Circuits and Sensors; System-on-Panel (SOP); Backplane Technology for AMOLED & High Performance LCD; LTPS TFTs; Micro & Nano-crystal Silicon TFTs; Oxide & Transparent TFTs; Organic TFTs; Nano Technology Based TFTs; Solution Based TFTs; other new TFTs

3. Display Electronics, Systems and Applications

Progress in driving methods, driving electronics, display panel peripherals and system design technologies for display devices and new display applications: Driving Methods and Circuits for Display Devices; Driver IC's; Image Signal Processor; System-On-Glass (SOG) and System-On-Panel (SOP) Technologies; Image Quality Enhancement Methodologies and Systems; Display Interface Technologies; Touch Panel Technologies and Systems; and All Other Display Electronics Technologies and New Applications

4. Display Manufacturing and Equipments

Advances in process technologies for display manufacturing, and manufacturing issues for breakthrough in the display performances, cost reduction, and throughput: New Process Technologies; Thin-Film & Thick Film Deposition; Printing; Patterning; Etching

5. Flexible Displays and Stretchable Electronics

All aspects of flexible displays and stretchable electronics, including advances in organic materials (both small molecules and polymers) and flexible oxide semiconductors, flexible and stretchable substrates, organic and flexible oxide semiconductor devices on the flexible and stretchable substrates and the related fabrication processes including printing process, device physics, measurement and characterization of thin film transistors and sensors, driving methods, various display modes for electronic papers: E-papers; Flexible Backplanes; Flexible LCDs; Flexible OLEDs; Flexible and stretchable Substrates and Barriers; Thin Film Encapsulation; Electrode and Interconnection; Processes (including Patterning and Printing); Manufacturing

6. Image Quality Evaluation and Enhancement

Advances in display image quality evaluation, enhancement, human factors and display measurements: Image Quality Evaluation; Image Enhancement Algorithms and Technologies; Color Image Processing; Color Management and Control; Display System Performance; Perception; Human Factors; Display Measurements; Display Related Standards; Color in Displays; Characterization of Displays

7. LC Technologies

Advances in the basic research and development of liquid-crystal phenomena, new materials, electro-optical effects, and devices: Liquid crystal Materials, Modeling, Alignments, Modes and Devices, Novel LCDs; High Performance LCDs; Transparent and Reflective LCDs, Blue Phase LCs; Flexoelectric LCs; Biaxial LCs; Ferro-/Antiferro-electric LCs, Polymer/LC composite Materials and Devices, Other Electro-Optical Devices

8. LEDs for Displays and Solid-State Lighting

LED: Advanced materials, novel processes, new device designs for high efficiency LEDs; Photonic crystal, surface plasmon, transparent conducting layer, efficiency droop, energy transfer, light-extraction, band-gap engineering, separation of substrate, vertical LED, quantum dots/nanowire LEDs, phosphors, white LED, low cost/high performance packaging, heat dissipation Solid-State Lighting and Display: New development of LED display, solid-state lighting, and LED convergence applications including white LEDs, back-light unit(BLU), phosphors, optics, heat dissipation, design of processes, reliabilities, and standardization/photometry, advanced technologies for LED light mixing/light driver IC and module/cooling/optics, and BLU/agricultural/medical lighting applications

9. MEMS and Projection Displays

Micromirror Devices; Microshutter Display; Interferometric MEMS Display; Grating Light Valves; Microfluidic Display; Back & Front Light Unit using MEMS Technologies; Pico-projectors; Projection Displays with Laser or LED Technologies; Large-area Displays based on Projection Technologies; Near-eye Displays

10. Nano Materials and Processes for Display

Organic semiconductors, dielectrics, electrodes for display; Inorganic and hybrid materials for display application; Carbon nano materials for transparent electrodes or active materials; Solution processing and printed electronics

11. OLED Displays and Lighting

All aspects of advances in the OLED display and lighting technologies: OLED Materials (Small Molecules, Dendrimers, and Polymers); Device Physics and Characterization including Interfaces; White OLEDs; Tandem OLEDs; OLED Display Manufacturing Issues; Low-Cost Fabrication Processes; Solution Processible Materials; Dopants (p-type and n-type); Electrodes (Low-work Function Cathodes, Transparent Conductors and Graphenes); Encapsulation

Technologies; Novel Lighting Systems and Sources; Solid-state Lighting including OLED and LED; Fluorescent Lamp Lighting Systems; Optical Designs and Methods for Extraction Technologies; Flat Illumination Panels; Illumination Systems; Ambient Lighting, Lighting Measurements; Novel Lighting-Control Technologies

12. Organic Photovoltaics

Advances in the Photovoltaic materials, devices (OPVs, DSSCs, and Hybrid OPVs), low-cost fabrication processes, and related convergence technologies: Photovoltaic Materials (Organic, Inorganic, and other Hybrid active materials); Device Physics; Interfaces and Contacts; Morphology; Degradation and Lifetime; OPVs; DSSCs; Hybrid OPVs; Low-Cost Large Area Printing Technology; Electrodes (Cathodes and Transparent Conductors); Encapsulation Technologies

13. Plasma Displays and Phosphors

Phosphors: All aspects of any types of luminescent materials for use in displays and lightings – phosphors for LEDs, PDPs (also 3D-PDPs), and bio-applications, general lamps, CCFL for LCD BLUs, Inorganic ELs, CRTs, FEDs, PRTs, VFDs, X-ray scintillators, long phosphorescence, mechanoluminescence, inorganic phosphors, quantum dots and organic luminescent materials Plasma Display Panels: New developments in the design and manufacturing, performance characteristics, and driving methods and circuitry: Discharge Mechanisms; Cell Design and Material Characteristics; Luminous Efficacy Improvement; Advanced Driving Circuit and System; Image Enhancement Technology; Cost Effective Technology, etc