

IMiD / IDMC / ASIA DISPLAY 2008

October 13-17, 2008 / KINTEX, Ilsan, Korea

Abstract Submission Due Date: April 30, 2008

Late News Paper Submission Due Date: July 15, 2008

Digest Paper Submission Due Date: August 15, 2008

ORGANIZED BY

The Korean Information Display Society (KIDS)

Society for Information Display (SID)

Korea Display Industry Association (KDIA)

United States Display Consortium (USDC)

DisplaySearch

Korea Electronics Association (KEA)

Message from the Chairman

It is my great pleasure to announce the 8th International Meeting on Information Display to be held at the Korea International Exhibition Center (KINTEX) in Ilsan, Gyeonggi Province during October 13-17, 2008. I would like to extend my cordial invitation to you to participate in the IMID 2008, which will be a joint event with International Display Manufacturing Conference 2008 and Asia Display 2008 (IMID/IDMC/ASIA DISPLAY 2008).

Currently, we are experiencing tremendous growth in flat panel information display industries and in implementation of such devices in our daily lives. At the IMID/IDMC/ASIA DISPLAY 2008, we are going to cover new and exciting advancements in such display technologies and applications, manufacturing technologies, display electronics, materials and components of major displays at our tutorials, workshops, technical conference sessions and exhibitions. In addition, prospects of information display industries will be reviewed at IMID Business Forum co-hosted with DisplaySearch.

In particular, this year's IMID/IDMC/ASIA DISPLAY 2008 is going to be held along with the Korea Electronic Show (KES) and I-SEDEX. The show features exhibitions and seminars on semiconductors, consumer electronics, and telecommunications. This new format is aimed to provide better opportunities for IMID/IDMC/ASIA DISPLAY 2008 participants to experience and discuss state-of-the-art information display technologies. Our program committee members will spare no effort in making IMID/IDMC/ASIA DISPLAY 2008 a successful and rewarding conference for all participants, who will undoubtedly enjoy our spacious facilities at the KINTEX complex, located approximately 20 kilometers west of Seoul. We look forward to seeing you at IMID/IDMC/ASIA DISPLAY 2008.

WHP

Woo-Hyun Paik
President and CTO
LG Electronics, Inc.

General Chair of IMID/IDMC/ASIA DISPLAY 2008



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Keynote Speakers



Young Soo Kwon

President & Chief Executive Officer
LG Display, Korea

Tentative Title : New Value in Flat Panel Display



Steven Webster

Senior Vice President
The Display and Graphics Business
3M, USA

Tentative Title : The Next Wave in Display Innovation

Conference Scopes and Organizers

The IMID/IDMC/ASIA DISPLAY 2008 program committee encourages submission of original papers on all aspects of display science, engineering, manufacturing, and applications. IMID/IDMC/ASIA DISPLAY 2008 will feature topical sessions listed below which focus on selected issues or key developments in the area of interests. The submission to any of the general symposium topics or any of the topical sessions listed below is welcome.

(1) Active-Matrix Devices (AMD)

Scopes

Advances in development and implementation of active-matrix displays:

Active-Matrix LCDs for LCD-TV, Note-PC and Monitors; Active-Matrix Mobile Displays; Novel Active-Matrix Display Devices and Addressing; LTPS TFT-LCDs; Integrated Active-Matrix Driving Circuits and Sensors; Backplane Technology for AMOLED; Transparent TFTs; High-Performance Active Matrix Displays; System-on-Panel (SOG), OTFTs

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(2) Liquid Crystal Technologies and Other Non-emissive (LCT)

Scopes

Displays advances in the development of liquid-crystal materials, electrooptical effects, and devices, new materials in non-emissive display technologies:

LC Materials; LC Modeling; LC Alignment; Bistable LCDs; Fast Switching LCDs; Wide Viewing Angle LCDs; Microdisplays; Reflective Displays; other Non-Emissive Displays

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(3) Plasma Display Panels (PDP)

Scopes

New developments in the design and manufacturing, performance characteristics, and driving methods and circuitry:

Fundamental Discharge Mechanisms; Luminous Efficiency Improvement; High Speed Address and Related Reset Waveforms; Cell Design and Material Characteristics; Image Enhancement Technology; Low Cost Driving Circuit and System; Low Cost & High Precision Fabrication Technology; MgO and other Protective Materials, etc.

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(4) Organic Light-Emitting Diode (OLED) Displays

Scopes

Organic materials, electrodes, device structures, fabrication processes, driving methods, encapsulation techniques, optical enhancement techniques, full color techniques, OLEDs for lighting, characterization of the device performances and analysis of interface etc:

OLED Devices; Organic Materials (small molecules, dendrimers, and polymers) and Processes; Solution processible materials; OLED Display Manufacturing; Encapsulation Technologies; Characterization; Driving methods; OLEDs for lighting

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 Chung-Chih Wu (Nat'l Taiwan Univ., Taiwan)
 Joong-Hwan Yang (LG Display., Korea)

(5) Phosphors, Illumination and LEDs (PI)

Scopes

All aspects of inorganic illuminations and LEDs including device structures, characterization of the device performances and phosphors, and luminescent materials for display and lighting, etc:

Inorganic illumination devices (materials, process, devices, etc.); LEDs (materials, devices, etc.); Phosphors for Emissive Displays (PDP, FED & CRT, Electroluminescent Display, etc.) and Lighting Devices (CCFL, LED, etc.)

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 Tadatsugu Minami (Kanazawa Inst. of Tech., Japan)
 Kee-Sun Sohn (Sunchon Nat'l Univ., Korea)
 Yuhua Wang (Lanzhou Univ., China)
 Junying Zhang (Beihang Univ., China)

(6) Flexible Displays/Plastic Electronics (Flexible)

(*Special Session Co-organized by KIDS and USDC)

Scopes

All aspects of flexible displays and plastic electronics, including advances in inorganic and organic materials (both small molecules and polymers), phosphors, electrodes, device structures, fabrication processes, driving methods, characterization and analysis of the device performances, etc :

Flexible LCDs; Flexible OLEDs; E-Papers; Flexible Backplanes; Flexible Substrates and Barriers; Thin-Film Encapsulation; Electrodes and Interconnection; Processes (including patterning and printing) and Manufacturing.

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 Sunghan Kim (DuPont Displays, USA)
 Changjin Lee (KRICT, Korea)
 Beng Ong (ASTAR, Singapore)
 Mi Hye Yi (KRICT, Korea)

(7) Field Emission Displays and Ultra Slim CRTs (FED / CRTs)

Scopes

Recent developments in field emission displays including advances in materials, device structures, characterization, and driving methods. Structures, components, materials, and performances in Ultra Slim CRTs:

FED Devices; Ultra Slim CRTs; Processing; Fabrication; Glass & Glass Coatings; Emitter Materials; Phosphors; Packaging & Vacuum Technology; Optical Aspects; Simulation and Modeling; Emission Physics and Beam Characteristics; Novel Devices; Driving Methods

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 Yahachi Saito (Nagoya Univ., Japan)

(8) Projection Displays (Projection)

Scopes

Projection-display systems, key components and materials for applications such as TV sets, game systems, electronic cinema, desktop monitors, business presentations and training, commercial and military simulations, and medical imaging:

Projection Systems, Components Including Light Sources and Screens; Projections Using CRTs, LCDs, and Other Light Valves; Tiled Displays; Novel Large-Area Displays

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 Kang Woong Lee (Hankuk Aviation Univ., Korea)
 Yun Woo Lee (KRIS, Korea)
 Seung-Nam Park (KRIS, Korea)

(9) Display Electronics, Systems and Applications (Systems)

Scopes

Progress in driving methods, electronics, 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; Display Interface Technologies; and All Other Display Electronics Technologies and New Applications.

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Jun Sin Yi (Sungkyunkwan Univ., Korea)
Chang Sik Yoo (Hanyang Univ., Korea)
Jaehee You (Hongik Univ., Korea)

(10) Applied Vision / Human Factors / 3D Displays (3D)

Scopes

All aspects of vision, perception, and human factors in the design, image quality, and usability of all types of visual display systems:

3D Display and Imaging Processing; Novel Methods of Information Transfer; Impact of Ambient Lighting on Display Performance; Spatial-Temporal Interactions in Displays; Color and Gray Scale in Visual Displays; Display Metrology

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Min-Chul Park (KIST, Korea)
Adrian Travis (Cambridge Univ., UK)

(11) Display Materials and Components (MC)

Scopes

New development of materials and components for displays. It includes new functional materials for substrates, active/passive materials, their properties, and fabrication methods for components:

LCD Backlight; LCD Color Filters; Polarizer; Optical Films; PDP Materials and Components; Electrode Materials; Dielectric Materials and Process; Semiconductors; Color Filters; Glasses; All Organic Display (AOD)

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(12) Display Manufacturing & Measuring Equipment (ME)

Scopes

Development and application of new designs of equipment for the manufacturing, testing and measuring, manufacturing issues on the breakthrough for the display performances, cost reduction, and throughput:

New Process Technology; Thin-Film & Thick Film Deposition; Etching; Patterning; Robotic Handling; Final Assembly; Test and Repair; Measuring Equipment; etc.

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Seung-Min Noh (STI, Korea)
Won-Kyu Park (KANC, Korea)
Geun Young Yeom (Sungkyunkwan Univ., Korea)

(13) Novel and Future Displays (Novel)

Scopes

Development of new and novel displays, new applications:

Novel Active-Matrix Devices and Processes; Novel Devices and Image Processing; Novel Display Applications, etc.

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Won Park (Univ. of Colorado, USA)
Nan Ei Yu (GIST, Korea)
Sun Jin Yun (ETRI, Korea)

LATE NEWS PAPER

IMID / IDMC / ASIA DISPLAY 2008 will have late-news paper presentations. The paper should be of most recent and significant developments that merit the presentation at the Conference. The deadline for Late-News Papers is July 15, 2008. When submitting the Late-News Paper, authors should describe why their achievements deserves as late-news status.

DEADLINES

Abstract/Summary **April 30, 2008**
Acceptance Notification June 30, 2008
Late News Paper July 15, 2008
Digest Paper August 15, 2008
Pre-Registration September 10, 2008

KEY DATES

Tutorial October 13, 2008
Workshop & Business Forum October 14, 2008
Keynote Address October 15, 2008
Conference October 15-17, 2008

Starting from IMID 2008, we are going to use our new official Logo shown as follows :



This logo emphasizes the idea of future displays.

iMID / IDMC / Asia Display 2008 Features

WORKSHOPS

The workshops will provide in-depth analysis on fundamental and recent advances in important display technologies. The prominent leaders will be invited as speakers for the workshops of following areas:

AMID

Touch Screen Panel (TSP)

External Touch Screen / Thin Film Photo Sensor /

Photo Sensor Integrated TSP / Technology of Integrated TSP

PDP

Electron Emission Phenomena in PDP Protecting Layer

OLED

AMOLED Technology for Large Size OLED TV

Flexible Displays

Materials and Processes for Flexible Display and Printed Electronics

Projection Displays

Mobile Information Display in the Era of Telecommunication,

Multimedia and Internet: Projection Technology and Applications

Display Manufacturing & Measuring Equipment

Manufacturing Equipment Technology

Display Measurement and Analysis Technology

TUTORIALS

The tutorials are aimed to provide introductory courses for the newcomers to the information display technologies of following areas:

AMID

Oxide Thin Film Transistor

PDP

PDP Discharge and Driving Waveform

OLED

High-Efficiency Long-Lifetime OLEDs

Phosphors, Illumination and LEDs

Thermal, Optical, and Phosphor Technologies for

Highly Efficient LED Illumination Devices

Flexible Displays

Physics and Technologies of OTFTs

LATE NEWS PAPER

IMID / IDMC / ASIA DISPLAY 2008 will have late-news paper presentations. The paper should be of most recent and significant developments that merit the presentation at the Conference. The deadline for Late-News Papers is July 15, 2008. When submitting the Late-News Paper, authors should describe why their achievements deserves as late-news status.

BUSINESS FORUM

The business forum co-organized with DisplaySearch will provide an opportunity to analyze display market issues and to explore the potential value creation opportunities. Tentative topics of the forum are as follows:

- FPD Market Trend and Outlook
- TV Market and Supply Chain Analysis
- Public Display Market Outlook
- Small / Medium Panel and Application Market Trend
- TFT LCD Cost and Profit Analysis
- China / Taiwan FPD Industry Update
- FPD Investment, Equipment and Manufacturing Trend
- Key Component / Materials Market Analysis

EXHIBITION

IMID 2008 Exhibition will be held from October 14th to 17th, 2008. We expect active participation and much interest from the worldwide exhibitors. The IMID Exhibition has provided the best opportunity for exhibitors in the world to reach a large and diverse audience of the information displays. In the IMID'07 Exhibition 342 booths were exhibited by 144 companies and over 10,000 people visited the booth to find the state-of-the-art information on the latest developments in the information displays such as LCDs, PDPs, OLEDs, Flexible displays, and display processing equipments, materials and components.

We expect the IMID 2008 Exhibition will attract more exhibitors and attendees and provide the exhibitors a successful business opportunity. The deadline of the application for participation for the exhibition is July 18, 2008.

The selection process for the participation will be on first-come first-served basis and early-bird 10% discount of booth fee is available until Mar 31, 2008 (www.imidex.org)

GENERAL INFORMATION

Awards

Outstanding manuscripts from the manuscripts submitted to IMID / IDMC / ASIA DISPLAY 2008 will be selected for the awards of Minister of Science and Technology (Republic of Korea), Merk Award, and Merk Award-Young Scientists.

The awardees will be determined based upon their originality and the technical significance to information display industry by the award Committee of conference. In addition, Conference Chairman Awards for excellent poster presentation will be presented.

Conference Location

About KINTEX



The KINTEX project was initiated and co-funded by national and local government to meet a deficiency in the domestic supply of venues for exhibitions and conventions. The other goal was to achieve the globalization of the domestic exhibition and convention industry. KINTEX has developed a three story building with exhibition and convention facilities on a 68,000 pyung (224,800 square meters) site; it had a grand opening on April 29, 2005, after completion of the first phase in a three-phase construction project. The most unique feature about the KINTEX exhibition facilities is that it can hold five tons/m² with floor loading capacity. KINTEX is attracting and developing world-class exhibitions and conventions through vigorous marketing activities, promoting it as the marketplace for top-ranked domestic and international enterprises. Please, enjoy our spacious facilities at the KINTEX complex, located approximately 20 kilometers west of Seoul.

About Gyeonggi-do



The center of Korean business and industry is the capital city Seoul and the surrounding Gyeonggi Province. Most industries, from agriculture to information technology, can be found in this area. Located in the mid-western part of Korea, Gyeonggi-do embraces Seoul and Incheon. It offers a variety of

beautiful tourist destinations and cultural facilities along the Hangang River. Gyeonggi-do is also proud to embody traditional Korean culture with such places as the Suwon Hwaseong Fortress, the Korean Folk Village and Icheon, which is famous for ceramics. Moreover, visitors can also visit Everland, a huge and exciting amusement park. Gyeonggi province now plays a vital role in the politics, economy, and culture of Korea.

Goyang can be found to the west of Gyeonggi-do, and its fertile land makes it an ideal spot for growing and cultivating vegetables, fruit and rice. The city of Goyang also has the Haengjusanseong Fortress located in Mt. Deokyangsan. From here, one can enjoy the open vista of the entire Hangang River and its surroundings. Goyang is also famous for its annual flower exhibition.

Official Language

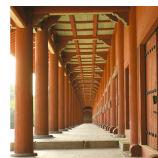
The official language of the conference is English, and all printed materials will be published in English.

Conference Proceedings

Manuscripts will be reviewed by the technical program members selected experts. Conference proceedings will be published in English and available at the conference.

Sightseeing

Changdeok palace



World Cultural Heritage-Changdeok palace, Rear Garden & Jongmyo Changdeok Palace, is the only palace that preserves the architectural style of the Chosun Dynasty. The Rear Garden used to be the king's resting place where 300-year-old trees, pond and pavilion are harmoniously organized with nature itself. To protect the cultural properties, only guided tour is permitted. Jongmyo Royal Shrine contains the memorial tables of honored kings, and religious ceremonies still take place here.

The Korean Folk Village



The Korean Folk Village is an open-air folk museum and international tourist attraction for foreign visitors. There are a traditional marketplace, farm houses reflecting characteristics of each province and shops stocking a variety of traditional handicrafts and souvenirs. Korean traditional performances are performed in the performing area twice a day. Having fun at Korean Folk Village full of amusement.

Suwon Hwaseong Fortress wall



Taking a walk through Suwon Hwaseong Fortress wall. Paldalmun Gate, Jangnanmun Gate are its four main gates. In the center of Hwaseong Fortress is the Hwaseong Temporary Palace, where the king sought refuge during times of war and enduring times of peace. The Hwaseong Train is a tourist travels between Mt. Paldasan and Yeonmudea. Drama Deajangeum was shot at Suwon Hwaseong as well.

Registration

Detailed information on registration fees for conferences and short courses, a registration form, and technical and general information is available in the conference web site (<http://www.imid.or.kr>).

Current SID and KIDS members will receive discounted rates on the registration fee.

On-line registration is highly recommended to all participants for the conference at our official website. Participants who complete advance registration process (July 1- September 10, 2008) will benefit from the lower costs. Each registrant is requested to register separately.

IMID/IDMC/ASIA DISPLAY 2008 Registration			Advance (Before September 10, 2008)	On-Site (After September 10, 2008)
Conference	Regular	KIDS / SID Member	USD 450	USD 550
		KIDS / SID Non-Member	USD 550	USD 650
	Student		USD 70	USD 100
Workshop	Regular		USD 150	
	Student		USD 70	
Tutorial	Regular		USD 150	
	Student		USD 70	
Business Forum			USD 400	USD 450
Special Package (Conference + Business Forum)	Regular	KIDS / SID Member	USD 710	USD 840
		KIDS / SID Non-Member	USD 810	USD 940
	Student		USD 330	USD 390
Banquet			USD 60	USD 60

Abstract/Summary Submission

On-line Submission using the conference website (<http://www.imid.or.kr>) is encouraged. Please prepare your abstract/summary in Adobe Acrobat (PDF) format or Microsoft Word (doc) format for the submission.

Electronic transmission through e-mail to imidkids@k-ids.or.kr is also possible. If these submission methods are not available, please submit a hardcopy and CD-ROM of your abstract/summary to following address:

IMID/IDMC/ASIA DISPLAY 2008 Program Secretariat

Genicom Co., Ltd.

5F, Daehan Bldg., 1018 Dunsan-dong, Seo-gu, Daejeon, 302-120, Korea

Tel: +82-42-472-7464, Fax: +82-42-472-7459

E-mail: imidkids@k-ids.or.kr

The deadline for submission of the abstract/summary is April 30, 2008.

Notification of acceptance of the abstract/summary will be sent via an e-mail to the corresponding author by June 30, 2008. Authors of accepted papers will receive an instruction for the preparation of the manuscript to be published in the Conference Proceedings / CD-ROM of IMID/IDMC/ASIA DISPLAY 2008. The paper shall consist of four pages including illustrations, and is due August 15, 2008

FORMAT OF SUBMISSION

The format of abstract/summary is posted at the conference website (<http://www.imid.or.kr>). The abstract/summary should give a concise summary of the work, including following information.

1. Separate Cover Letter with Abstract

- Title of Paper
- Full name, complete mailing address, e-mail address, Telephone and fax numbers of the principal author
- Name, affiliation, city, state, country of additional authors,
- An abstract of 30-50 words
- Preferred topical session (listed in this call for papers)
- Oral/Poster presentation preference

2. Technical Summary (maximum: 2-pages and single -column A4 format including figures and tables)

- Objective and Background: Briefly describe the goals and background information of your work.
- Results: Describe the results with focus on the novelty of your work.
- Impact: Discuss the significance of your work and compare your findings with previously published work.
- References: List major references.

The submitted abstract/summary will either be accepted or rejected based on technical merits evaluated by peer reviewers. The accepted manuscript might be reassigned to an oral or poster presentations of appropriate topical session at the discretion of program committee.

Full paper (maximum 4 pages) should be submitted in Microsoft Word (doc) format to be published in the Conference Proceedings / CD-ROM by August 15, 2008, if your abstract/summary is accepted.

FORMAT OF PRESENTATIONS

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).

POINTS OF CONTACT

All questions or inquiries for further information regarding IMID/IDMC/ASIA DISPLAY 2008 should be directed to one of the followings:

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Deadlines & Key Dates

Conference	
DEADLINES	
Abstract/Summary	April 30, 2008
Acceptance Notification	June 30, 2008
Late News Paper	July 15, 2008
Digest Paper	August 15, 2008
Pre-Registration	September 10, 2008
KEY DATES	
Tutorial	October 13, 2008
Workshop & Business Forum	October 14, 2008
Keynote Address	October 15, 2008
Conference	October 15-17, 2008

Exhibition	
DEADLINES	
Application for Exhibition Booth	July 18, 2008
Payment of Balance	July 31, 2008
KEY DATES	
Exhibition	October 14-17, 2008

DEADLINE FOR ABSTRACT/SUMMARY
April 30, 2008