

# IMiD 2015

The 15th International Meeting on Information Display  
August 18 ~ 21, 2015 / EXCO, Daegu, Korea

## Keynote Speakers Highlight



**Shuji Nakamura**

Prof., Univ. of California, Santa Barbara, USA  
Overview of History and Development of Blue, Green & White LEDs and Laser Diodes



**Sang Deog Yeo**

President, LG Display Co., Ltd., Korea  
OLED, It will Change Our Life

## Important Dates to Remember

- Paper Submission ..... April 30, 2015
- Acceptance Notification ..... June 1, 2015
- Late-news Paper Submission ..... June 30, 2015
- Author Registration ..... July 31, 2015
- Pre-Registration ..... August 5, 2015

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SAMSUNG DISPLAY

- Title** ● The 15th International Meeting on Information Display (IMID 2015)
- Date** ● August 18 ~ 21, 2015
- Venue** ● EXCO, Daegu, Korea
- Organized by** ● The Korean Information Display Society (KIDS)  
The Society for Information Display (SID)  
Korea Display Industry Association (KDIA)
- Language** ● English
- Website** ● www.imid.or.kr
- Main Program** ● Keynote Addresses  
Tutorials and Workshops  
Technical Sessions (Oral & Poster Presentation)  
Young Leader Conference (YLC)  
KIDS Awards & Best Poster Awards  
Merck Awards  
Student Travel Grants  
Display Special Exhibition: Materials, Components and Instrument  
Banquet  
Korean Traditional Tea Ceremony

## Welcome Message

On behalf of the Organizing Committee of the IMID 2015, I would like to sincerely appreciate your attention on the IMID 2015 to be held at EXCO, Daegu, Korea during August 18~21, 2015.

IMID 2015 continues a series of annual conferences began in 2001. 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 2,000 attendees.

The conference includes keynote presentations, technical oral presentations, tutorials, workshops and poster presentations. The IMID 2015 will also be a great opportunity for everyone attending to enrich their professional network as well as receive updates on the latest advances in information display fields with each other.

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 are looking forward to seeing all of you again in Daegu, Korea in August 2015.

Thank you.

**Sin-Doo Lee**  
General Chair of IMID 2015  
Professor, Seoul National University  
President, KIDS (The Korean Information Display Society)



## iMiD 2015

IMID 2015 will provide an opportunity for participants to exchange new ideas and information on many important issues in information display fields. High-standard keynote lectures will be provided by outstanding scholars invited both from academia and industry. **Especially, Prof. Shuji Nakamura, 2014 Nobel Laureate in Physics and President Sang Deog Yeo from LG Display will give us the keynote lectures.** Moreover, many distinguished invited speakers already confirmed to present their latest research results in various areas of display technologies such as active-matrix displays, OLEDs, quantum dots, flexible and transparent displays, etc.

IMID 2015 will also bring experts and researchers together from around the world to share professional experiences and provide a forum for networking with other researchers in the information display technology.

### IMID 2015 Organizing Committee

- **General Chair**  
Sin-Doo Lee (Seoul Nat'l Univ., Korea)
- **General Co-Chair**  
Ki-Woong Whang (Seoul Nat'l Univ., Korea)
- **Executive Committee Chair**  
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- **Exhibition Secretary**  
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### IMID 2015 Advisory Committee

- Brian H. Berkeley (SID, USA)
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- Myung Hwan Oh (Dankook Univ., Korea)
- Martin Schadt (MSHigh-Tech Consulting, Switzerland)
- Jun Souk (Hanyang Univ., Korea)
- Yikai Su (Shanghai Jiao Tong Univ., China)
- Baoping Wang (Southeast Univ., China)
- Shin-Tson Wu (Univ. of Central Florida, USA)

## Conference Topics

### 01. Special session I: Quantum Dots

**Recent progresses in semiconductor nanocrystal quantum dots for display applications and beyond:** Quantum dots for TV applications; Stability of quantum dots; Optical properties of quantum dot films; High color-gamut light emitting devices based on quantum dots; Down-conversion / electroluminescent devices; Solid state lighting and lasers

### 02. Special session II: Advanced TFT Backplane Technologies

**Advances in development and implementation of all aspect of amorphous oxide related semiconductor and low temperature poly-silicon (LTPS) thin film transistors:** Novel Active-Matrix LCDs & OLEDs for TV, Monitor, Note-PC and Mobile Devices with oxide semiconductor and LTPS TFTs; Backplane Technology for AMOLED & High Performance LCD; LTPS TFTs; Micro & Nano-crystal Silicon TFTs; Oxide & Transparent TFTs; Evaluation for Materials and Devices; Theoretical and Experimental Analysis; Novel active materials, process, structure, analysis, and devices.

### 03. Special session III: Stretchable/Wearable Displays and Electronics

**Advances in the innovative development of stretchable electronics, enabling new applications for wearable electronics ranging from long-term bionic implants and limbs to robotic sensory skins, ubiquitous electronic displays, and large-area electronics:** All aspects of stretchable / wearable displays and electronics, including the materials, designs, modeling, and technologies that will enable the fabrication of fully elastic electronic devices. Specific applications that will directly benefit from highly compliant electronics, including transistors, optoelectronic devices for displays, and sensors.

### 04. Special session IV: Transparent and Flexible Displays

**All aspects of transparent and flexible system: displays, devices, and materials:** Advances in the transparent LCD and OLED panel design, user experience/ interfaces and processes for the haze reduction, transmittance improvement, high-pixel density and large size application; flexible substrate including substrate handling technologies, flexible backplanes (organic and oxide TFTs), thin-film encapsulation technologies, fabrication processes including printing process; transparent and flexible electronics-related device physics, measurement and characterization.

### 05. 2D Materials for Displays

**Graphene and 2D materials for displays and flexible electronics:** Advances in synthesis, characterization methods, processes, and device applications of 2D materials, Issues in commercialization of graphene and 2D materials.

### 06. Active-Matrix Displays

**Advances in development and implementation of active-matrix backplanes and all of displays & electronic devices with active-matrix backplanes:** Active-Matrix E-Paper, LCDs & OLEDs for TV, Monitor, Note-PC, Mobile Device and all informative displays; Novel and High Performance Active-Matrix Display Devices and System-on-Panel (SOP); Backplane Technology for E-paper, AMOLED & High Performance LCD; LTPS TFTs; Micro & Nano-crystal Silicon TFTs; Organic TFTs; Carbon nanomaterials & 2D materials Based TFTs; All aspects of solution processed & printed TFTs; other rising semiconducting materials for TFTs

### 07. Display Electronics and Systems

**Progresses in driving methods, driving electronics, display panel peripherals, TFT circuits, and system design technologies for display devices and new display applications:** Driving methods and circuits for display devices; Driver ICs; Image signal processors; Image quality enhancement methodologies and systems; Display interface technologies; All other display circuits, systems and new applications

### 08. Display Manufacturing and Equipments

**Advances in Process technology and Equipment for display:** Thin and thick film deposition, etching, and cleaning; Process technology for flexible display; Process technology for new and emerging displays; Display equipment including deposition, patterning, printing, etching, cleaning and plasma; Manufacturing issues for breakthrough in the display such as performances, cost reduction, and high throughput; Material issues in display process, including synthesis or deposition of emerging materials; Process and equipment technology for display circuits and interfaces.

### 09. Display Optics - 3D Displays

**Advances in 3D Display System and Optics:** 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; Optical technologies for various display systems and devices including LCD and OLED, signage, wearable / near-to-eye displays, backlight unit, and transparent displays

### 10. Image Quality Enhancement and Metrology

**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

### 11. Large Area Displays

**All aspects of large area display which cover all system technologies, devices, and related applications:** Projector-based large area display, rear-projection display, flat panel display, laser panel display, laser scanning display, large area virtual display(HMD/HUD), large area free-form display(floating display/holographic display), tiled display system, multi-panel system, and their designs for specific applications; Components of micro panels, light sources, optical components, and projection screens

### 12. LC Technologies

**Advances in the basic research and development of liquid-crystal related materials, phenomena, optic effects, electro-optic effects, and devices:** Liquid crystal Materials, Alignment controls, LC-Modes, Modelings, and Devices; LC Technologies and Materials for Flexible Displays; LC-Polymer and LC-Nanoparticle Composite Materials and Devices; Advanced LC Technologies for High Performance LCDs, Transparent LCDs and Reflective LCDs; Fast switching LCDs such as Optically Isotropic LCs, Flexoelectric LCs, Ferro-/Antiferro-electric LCs and Biaxial LCs, etc; Colloidal LCs and Their Applications; Other LC-related Electro-Optic Devices.

### 13. LEDs and Lighting

**LEDs for display and Solid-State Lighting:** Advanced materials and epitaxial structure, novel processes, low-cost high-power packaging, and new device designs for high efficiency LEDs; 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, LED driving circuit, characterization/reliability, standardization/certification, photometry, advanced technologies for LED light mixing/ driver IC, engine/cooling/optics, and ocean/agricultural/ medical/IT/bio/smart/automotive lighting modules.

### 14. OLED Displays

**All aspects of advances in the OLED display and lighting technologies:** OLED Materials (Emitters, Host, Injection Layers, Dopants); Device Architecture for Efficient and Reliable OLEDs (Tandem, Light Extraction, Optical Design, Energy-Level Engineering, Inverted Geometry, etc.); Device Physics and Characterization (Transport and Injection Process, Interfaces, Photophysics); OLED Manufacturing Processes (Solution-Processing, Printing/ Patterning, High-Throughput Large-Area Deposition); Electrodes (High Stability Cathodes, High Work-Function Anodes, Transparent Conductors); Flexible

and Transparent OLEDs; White OLEDs and Lighting; Encapsulation, Reliability, and Scale-Up; Standards and Policy;

### 15. Plasmonics and Metamaterials for Display

**All aspects of interdisciplinary research and technology developments in plasmonics and metamaterials for display applications:** Physics and modeling of optical metamaterial and plasmonic systems; Interdisciplinary metamaterial and plasmonic research for display applications; Plasmonic color filters; Dielectric metamaterials and metasurfaces; Active optical metamaterials; Graphene plasmonics and metamaterials; Fabrication, characterization and measurement technology of optical metamaterial and plasmonic devices; Future application of optical cloaking and transformation optics with metamaterials for displays; Novel concepts, phenomena and applications of optical metasurfaces and metadevices.

### 16. Substrates and Optical Films

**All aspects of development in flexible substrates (Plastic Film, Metal Foil, Thin Glass Sheet, Textile, Paper, etc.) and encapsulation technology:** Equipment and Materials for Flexible Substrate Production; Manufacturing, Equipment and Materials for Transparent Conducting Films; Tolerance Evaluation for Bending, Rolling, Twisting or Stretching Deformation; Flexible/Stretchable Mechanism and Strategy; Optical Materials, Components and Systems for Flat Panel Displays (AMOLEDs or AMLCDs) or 3D/Hyper-Realistic Displays; Electro-Optic Effect, Optical Design and Simulation.

### 17. Thin Film Photovoltaics

**Thin Film Photovoltaic materials, device physics, interfaces & contacts, morphology, degradation, and lifetime:** Photovoltaic materials and devices for Si, compound, organic, dye-sensitized, perovskite, and organic/inorganic hybrids. Low-cost/large area printing technology, electrodes (cathodes and transparent conductors), and encapsulation technologies

### 18. Touch and UX Technologies

**All aspects of recent developments on touch and input technologies including material, component, circuit, system integration, and touch gesture & motion control:** Touch panel related materials, devices and systems; touch controller design and integration, display-integrated touch systems (in- and on-cell touch panels), very-large-scale integration of touch for consumer products, dual- and multiple-touch systems and their adoption; Existing, new, and emerging touch applications; Interactive user Interface, new user interface technologies with motion/gesture sensing and feedback

# Invited Speakers

## 01. Special session I: Quantum Dots

Dr. Jian Chen (Nanosys, USA)  
 Prof. Paul Holloway (Univ. of Florida, USA)  
 Dr. Eunjoo Jang (Samsung Electronics, Korea)  
 Prof. Yizheng Jin (Zhejiang Univ., China)  
 Prof. Lazoro Padilha (Universidade Estadual de Campinas, Brazil)  
 Dr. Jeffrey Pietryga (Los Alamos Nat'l Lab., USA)  
 Dr. Istvan Robel (Los Alamos Nat'l Lab., USA)  
 Prof. Heesun Yang (Hongik Univ., Korea)

## 02. Special session II: Advanced TFT Backplane Technologies

Prof. Chih-Hung Chang (Oregon State Univ., USA)  
 Prof. Elvira Fortunato (FCT/UNL, Portugal)  
 Prof. Seungwu Han (Seoul Nat'l Univ., Korea)  
 Prof. Akito Hara (Tohoku Gakuin Univ., Japan)  
 Dr. Hsing-Hung Hsieh (Polyera, Taiwan)  
 Prof. Jin Jang (Kyung Hee Univ., Korea)  
 Prof. Toshio Kamiya (Tokyo Inst' of Tech., Japan)  
 Prof. Shinya Kumagai (Toyota Technological Inst', Japan)  
 Prof. Shin-Ichiro Kuroki (Hiroshima Univ., Japan)  
 Prof. Hyuk In Kwon (Chungang Univ., Korea)  
 Prof. Rodrigo Martins (UniNOVA, Portugal)  
 Prof. Takashi Noguchi (Univ. of the Ryukyus, Japan)  
 Prof. Jin-Seong Park (Hanyang Univ., Korea)  
 Prof. Yukiharu Uraoka (NAIST, Japan)

## 03. Special session III: Stretchable/Wearable Displays and Electronics

Prof. Johnny C. Ho (City Univ. of Hong Kong, Hong Kong)  
 Dr. Jae-Hyun Kim (KIMM, Korea)  
 Prof. Pooi See Lee (Nanyang Technological Univ., Singapore)  
 Prof. Taishi Takenobu (Waseda Univ., Japan)  
 Prof. Shizuo Tokito (Yamagata Univ., Japan)  
 Dr. Ashutosh Tripathi (Holst Centre, Netherlands)  
 Prof. Zijian Zheng (The Hong Kong Polytechnic Univ., China)

## 04. Special session IV: Transparent and Flexible Displays

Dr. Chi-Sun Hwang (ETRI, Korea)  
 Dr. Kyungjun Kim (LG Chem, Korea)  
 Prof. Dae-Hyeong Kim (Seoul Nat'l Univ., Korea)  
 Prof. Keon Jae Lee (KAIST, Korea)  
 Prof. Yong-Young Noh (Dongkuk Univ., Korea)

Dr. W. S. Park (LG Display, Korea)  
 Dr. Roel Vertegaal (Queen's Univ., Canada)  
 Prof. Tae-Hoon Yoon (Pusan Nat'l Univ., Korea)

## 05. 2D Materials for Display

Dr. Seungmin Cho (Samsung Techwin Co., Ltd., Korea)  
 Prof. Woong Choi (Kookmin Univ., Korea)  
 Prof. Hyunyoung Choi (Yonsei Univ., Korea)  
 Dr. Masataka Hasegawa (AIST, Japan)  
 Prof. James Hone (Columbia Univ., USA)  
 Prof. Liangbing Hu (Univ. of Maryland, USA)  
 Prof. Youngki Yoon (Univ. of Waterloo, Canada)

## 06. Active-Matrix Displays

Prof. Jong-Hyun Ahn (Yonsei Univ., Korea)  
 Dr. Mike Banach (Plastic Logic, UK)  
 Dr. Mario Caironi (IIT, Italy)  
 Prof. Kilwon Cho (POSTECH, Korea)  
 Prof. Gerwin Gelinck (Holst Centre, the Netherlands)  
 Prof. Xugang Guo (South Univ. of Science and Tech. of China, China)  
 Prof. Sunkook Kim (Kyung Hee Univ., Korea)  
 Dr. Ji-Seon Kim (Imperial College London, UK)  
 Prof. Chuan Liu (Sun-Yat-Sen Univ., China)  
 Prof. Björn Lüssem (Kent State Univ., USA)  
 Dr. Takeo Minari (NIMS, Japan)  
 Prof. Michele Muccini (CNR - ISMN, Italy)  
 Prof. Tomo Sakanoue (Waseda Univ., Japan)  
 Prof. Sebastien Sanaur (Ecole Nat'le Superieure des Mines de Saint-Etienne, France)  
 Prof. Jun Takeya (Univ. of Tokyo, Japan)  
 Prof. Yong Xu (Dongguk Univ., Korea)  
 Prof. Jana Zaumseil (Univ. of Heidelberg, Germany)

## 08. Display Manufacturing and Equipments

Dr. Kyujeong Choi (NCD Co., Ltd., Korea)  
 Dr. Stan Farnsworth (NovaCentrix, USA)

## 10. Image Quality Enhancement and Metrology

Dr. Steve Hasegawa (Sony Corp., Japan)

## 11. Large Area Displays

Prof. Seung-Cheol Kim (Kwangwoon Univ., Korea)  
 Dr. Jorg Reitterer (TriLite Technologies, Austria)  
 Dr. Tetsuya Yagi (Mitsubishi Electric Corp., Japan)  
 Prof. Hirotsugu Yamamoto (Utsunomiya Univ., Japan)

## 12. LC Technologies

Dr. Fumito Araoka (RIKEN CEMS, Japan)  
 Prof. Chao Ping Chen (Shanghai Jiao Tong Univ., China)  
 Prof. Ravindra Dhar (Univ. of Allahabad, India)  
 Prof. Masahiro Funahashi (Kagawa Univ., Japan)  
 Prof. Na Young Ha (Ajou Univ., Korea)  
 Prof. Chi-Yen Huang (Nat'l Changhua Univ. of Education, Taiwan)  
 Prof. Kwang-Un Jeong (Chonbuk Nat'l Univ., Korea)  
 Prof. Mi-Yun Jeong (Gyeongsan Nat'l Univ., Korea)  
 Dr. Dae Woo Kim (KAIST, Korea)  
 Prof. Munehiro Kimura (Nagaoka Univ. of Tech., Japan)  
 Dr. Noboru Kunimatsu (Japan Display Inc., Japan)  
 Prof. Yi-Hsin Lin (Nat'l Chiao Tung Univ., Taiwan)  
 Dr. Alexander Lorenz (Berlin Inst' of Tech., Germany)  
 Dr. Martin Urbanski (Univ. of Paderborn, Germany)  
 Prof. Jagdish K. Vij (Trinity College Dublin, Ireland)  
 Dr. Youngwoo Yi (Univ. of Colorado, USA)  
 Prof. Wenjun Zheng (Nat'l Sun Yat-sen Univ., Taiwan)

## 13. LEDs and Lighting

Prof. Yasufumi Fujiwara (Osaka Univ., Japan)  
 Prof. Per Olof Holtz (Linköping Univ., Sweden)  
 Prof. Jong Kyu Kim (POSTECH, Korea)  
 Prof. Chia-Feng Lin (Nat'l Chung Hsing Univ., Taiwan)  
 Prof. Jung-Hoon Song (Kongju Nat'l Univ., Korea)  
 Prof. Kenji Toda (Niigata Univ., Japan)

## 14. OLED Displays

Dr. Thomas Baumann (Cynora, Germany)  
 Prof. Jianxin Tang (Soochow Univ., China)  
 Prof. Suning Wang (Queen's Univ., Canada)

## 15. Plasmonics and Metamaterials for Display

Prof. Kyung Cheol Choi (KAIST, Korea)  
 Dr. Do Kyung Hwang (KIST, Korea)  
 Dr. Chang-Won Lee (Samsung Advanced Inst' of Tech., Korea)  
 Prof. Jung-Yong Lee (KAIST, Korea)  
 Prof. Nikolay Zheludev (Univ. of Southampton, UK)

## 16. Substrates and Optical Films

Dr. Chung Suk Kang (Kolon Industries, Inc., Korea)  
 Prof. Sang Youl Kim (Ajou Univ., Korea)  
 Dr. Dongsik Park (Henkel Technologies Korea Ltd., Korea)

## 17. Thin Film Photovoltaics

Prof. Yu-Lun Chueh (Nat'l Tsing-Hua Univ., Taiwan)  
 Prof. Zhiyong Fan (Hong Kong Univ. of Science and Tech., Hong Kong)  
 Prof. Jaeyeong Heo (Chonnam Univ., Korea)  
 Prof. Sang Hyuk Im (Kyung Hee Univ., Korea)  
 Prof. Jae-Wook Kang (Chonbuk Nat'l Univ., Korea)  
 Prof. Rehan Rashid Kapadia (Univ. of Southern California, USA)  
 Dr. Kyoung-Joong Kim (KRISS, Korea)  
 Prof. Youngkyoo Kim (Kyungpook Nat'l Univ., Korea)  
 Prof. Byungha Shin (KAIST, Korea)  
 Dr. Christian Uhrich (Heliatek, Germany)  
 Prof. Han Young Woo (Pusan Univ., Korea)

## 18. Touch and UX Technologies

Prof. Byung Hee Hong (Seoul Nat'l Univ., Korea)  
 Dr. Do-Geun Kim (KIMS, Korea)

*As of April 10, 2015*

## Tutorial & Workshop Speakers

### Tutorial

#### Quantum Dots and Their Applications

Dr. Eunjoo Jang (Samsung Electronics Co., Ltd., Korea)

#### Plastic Film Substrate for Flexible Displays

Prof. Byung-Soo Bae (KAIST, Korea)

#### Process & Materials of Oxide TFT for High Resolution Display

Prof. Sang-Hee Ko Park (KAIST, Korea)

#### LTPS (TBA)

Prof. Hyun Jae Kim (Yonsei Univ., Korea)

### Workshop

#### Printable Cu Electrodes for Thin Film Electronics

Prof. Zijian Zheng (The Hong Kong Polytechnic University, Hong Kong)

#### AMOLED Technology- Remaining issues of Flexible and OLED TV

Prof. Jun Souk (Hanyang Univ., Korea)

As of April 10, 2015

### Young Leader Conference

Young Leader Conference (YLC) is open to students who would like to share and discuss their research results. After oral presentations, outstanding presenters among all YLC applicants will be selected by committees from Samsung Display, LG Display, and Merck based upon their research originality and technical significance. Student presenters who apply for KIDS award are automatically candidates for the YLC presenters.

### Paper Submission Information \*Deadline: April 30, 2015 (23:59, GMT+9)

All authors are required to upload their paper (1 Page) through the conference website (www.imid.or.kr). Please prepare your paper in both PDF format and MS Word for the submission. The paper template can be downloaded from the website.

### Registration for Authors

At least one author of each accepted papers must complete his/her registration and pay the registration fee by July 31, 2015 otherwise; the papers will be withdrawn from the proceedings publication.

### Acceptance Notification: June 1, 2015

Notification of Acceptance will be sent via e-mail to the corresponding authors. The submitted paper will be evaluated based on technical merits by peer reviewers. The accepted paper might be reassigned to an oral or a poster presentation of appropriate topical session at the discretion of program committee.

### Format of Presentation

- Invited Presentation: 20 minutes for presentation and 5 minutes for Q&A
- Oral Presentation: 15 minutes for presentation and 5 minutes for Q&A
- Poster Presentation: The poster will be presented for 100 minutes.

### Awards

You can apply to KIDS Awards during the paper submission processes. They will be selected by Award Committee based upon their originality and the technical significance to information display field. In addition, there will be Best Poster Awards for about 20 outstanding papers.

Please note that;

- 1) KIDS Awards will be granted to applied papers only (for each award; within the paper submission process).
- 2) To be included in the nominees of KIDS Awards, authors should submit at least 3-page paper and a self-recommendation letter via E-mail (imid2015@k-ids.or.kr) within the paper submission deadline.
- 3) Best Poster Awardees will be decided after the on-site review.

Name of Awards	Grade	The number of awards	Prize (per paper)
Merck Award		1 Person	KRW 15,000,000
Merck Young Scientist Award		1 Person	KRW 5,000,000
KIDS Awards (Sponsored by LG Display & Samsung Display)	Gold	2 papers	KRW 3,000,000
	Silver	2 papers	KRW 2,000,000
	Bronze	5 papers	KRW 1,000,000
Best Poster Awards		About 20 papers	KRW 100,000

### 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. More information regarding grants application can be checked from the website.

#### Criteria for Eligibility

- Applicant must register and present their paper at the conference. (No proxy)
- Applicant must be enrolled in a Ph.D. or Masters Degree program outside Korea during the conference period.

### Official Events

#### Korean Traditional Tea Ceremony

- Date and Time: 10:30~10:50, August 19, 2015
- Place: 5F Lobby, EXCO

The Korean tea ceremony or 'darye' is a traditional form of tea ceremony practiced in Korea. Darye literally refers to "etiquette for tea" or "day tea rite" and has been kept among Korean people for an over a thousand years. The chief element of the Korean tea ceremony is the ease and naturalness of enjoying tea within an easy formal setting. Tea ceremonies are now being revived in Korea as a way to find relaxation and harmony in the fast-paced new Korean culture, and continuing in the long tradition of intangible Korean art. (*It will be served for all participants before opening ceremony start.*)

#### Opening Ceremony

- Date and Time: 10:50~11:10, August 19, 2015
- Place: Auditorium (5F), EXCO

All participants are kindly invited to participate in the Opening Ceremony, which will offer Korea's unique hospitality, and present a crucial opportunity to experience the culture and traditions of Korea and Daegu.

#### Banquet

- Date and Time: 19:00~21:00, August 20, 2015
- Place: Grand Ballroom A (B1), Hotel Inter-burgo EXCO

If you would like to experience a special night in Korea, you are cordially invited to conference banquet. Great food will be served along with fantastic performance. This will be great opportunities to relax with wonderful entertainment while also giving us the time to get to know each other better.

# iMiD 2015

## Display Special Exhibition: Materials, Components and Instrument

Dates / Venue: Aug. 19(Wed.)~21(Fri.), 2015 / EXCO, Daegu, Korea

The display material, component and instrument analysis exhibition organized by The Korean Information Display Society (KIDS) is held at EXCO, Daegu, Korea from August 19 to 21 in 2015. The exhibition will open during IMID 2015, which is one of the world largest conferences with participants over 1,600. The other exhibitions "IT Convergence EXCO" and "International LED & Display" open also concurrently. You will be able to promote the technology and the product of your esteemed company to the display-related enterprises and participants through this exciting exhibition.

- **Scale:** 180 Companies, 350 booths (10,005 m<sup>2</sup>)
- **Hosted by:** Ministry of Science, ICT and Future Planning, Daegu Metropolitan City, Gyeongsangbuk-Do
- **Organized by:** The Korean Information Display Society
- **Exhibition Items:**
  - Materials and components related to electronic displays (Glass, Color Filter, BLU, polarizerfilm, Drive IC, OLED materials, LCD materials, Touch panel materials, etc.)
  - Instrument for electronic displays (Measuring instruments, test system, equipment for manufacturing electronic parts and components, simulator, etc.)
- **Collateral Event**
  - **IT Convergence EXCO** (www.itce.kr)
  - **International LED & Display Exhibition** (www.indexpo.co.kr)
- **Application Deadline:** June 30 (Tues.), 2015  
\*Applications can be rejected if all spaces have been reserved out.

• **Participation Fee**

	Raw Space (3x3m)	Shell-Stand (3x3m)	Premium A (3x6m)	Premium B (6x6m)
Standard Rate	USD 1,000	USD 1,500	USD 4,000	USD 7,000
From May 1, 2015 (10% Discount)	USD 900	USD 1,350	USD 3,600	USD 6,300
By April 30, 2015 + Special Exhibition exhibitor (30% Discount)	USD 700	USD 1,050	USD 2,800	USD 4,900

### About EXCO, the venue of IMID 2015



EXCO is located in a wonderful city of Daegu, a center of traditional Korean culture where you can visit 4 UNESCO World Heritage Sites in the vicinities. In Daegu treasuring the world-class state-of-the-art Exhibition and Convention Center EXCO and the 5 thousand years of cultural heritage, you can do both business and sightseeing.

### Transportation



#### Route 1

▪ Incheon International Airport ▶ Daegu International Airport (1hr)

#### Route 2

▪ Incheon International Airport ▶ KTX(High Speed Railway) (3hrs)

#### Route 3

▪ Gimhae International Airport ▶ Airport Limousine Bus (1hr 10min)

#### Route 4

▪ Jeju International Airport ▶ Daegu International Airport (1hr)