iMiD 2025

The 25th International Meeting on Information Display

BEYOND PIXELS, BEYOND LIMITS

AUGUST 19 (TUE.) ~ 22 (FRI.), 2025

BEXCO, BUSAN, KOREA

Keynote Speakers

HyunChul Choi
Executive Vice President
LG Display Co., Ltd., Korea

Johannes Canisius
General Manager
& Head of OLED Business
Merck KGaA, Darmstadt, Germany

Michael Zink
Vice President
LG Electronics Inc., USA

Important Dates

- Paper Submission — ~~March 31 (Mon.)~~ April 14 (Mon.)
- Acceptance Notification — May 30 (Fri.)
- Pre-registration — June 9 (Mon.) - August 1 (Fri.)
- Late-news Paper Submission — June 29 (Sun.)
- Late-news Acceptance Notification — July 11 (Fri.)

Organized by

The Korean Information Display Society (KIDS)

The Society for Information Display (SID)

KiDS 한국정보디스플레이학회 The Korean Information Display Society

SID SOCIETY FOR INFORMATION DISPLAY

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Advanced Devices & Instrumentation
A SCIENCE PARTNER JOURNAL

Conference Information

Format	Offline Conference
Date	August 19-22, 2025
Location	BEXCO, Busan, Korea
Organized by	- The Korean Information Display Society (KIDS) - The Society for Information Display (SID)
Program	- Opening Ceremony - Keynote Addresses - Tutorials / Workshops - Regular Sessions (Oral & Poster Presentations) - Young Leaders Conference - Outstanding Students Conference - Exhibition - Banquet

Program at a Glance [Tentative]

Aug. 19 (Tue.)	Time	214~216 (Room B)
	11:00 ~ 13:00	Workshops
	13:00 ~ 14:30	Lunch
	14:30 ~ 17:20	Tutorials

Aug. 20 (Wed.)	Time	211~213 (Room A)	214~216 (Room B)	217 (Room C)	218 (Room D)	311~312 (Room E)	313 (Room F)	314~315 (Room G)	316~317 (Room H)	2A Hall
	09:00 ~ 10:30	Oral 01	Oral 02	Oral 03	Oral 04	Oral 05	Oral 06	Oral 07	Oral 08	Exhibition
	10:30 ~ 10:50	Coffee Break								
	10:50 ~ 12:20	Oral 09	Oral 10	Oral 11	Oral 12	Oral 13	Oral 14	Oral 15	Oral 16	
	12:20 ~ 13:20	Lunch								
	13:20 ~ 14:50	Poster Session I								
	14:50 ~ 15:10	Break Time								
	15:10 ~ 15:40	Opening Ceremony								
	15:40 ~ 17:10	Keynote Addresses 1~3								

Aug. 21 (Thu.)	Time	211~213 (Room A)	214~216 (Room B)	217 (Room C)	218 (Room D)	311~312 (Room E)	313 (Room F)	314~315 (Room G)	316~317 (Room H)	2A Hall
	09:00 ~ 10:30	Oral 17	Oral 18	Oral 19	Oral 20	Oral 21	Oral 22	Oral 23	Oral 24	Exhibition
	10:30 ~ 11:00	Coffee Break								
	11:00 ~ 12:30	Oral 25	Oral 26	Oral 27	Oral 28	Oral 29	Oral 30	Oral 31	Oral 32	
	12:30 ~ 14:00	Lunch								
	14:00 ~ 15:30	Poster Session II								
	15:30 ~ 16:00	Coffee Break								
	16:00 ~ 17:30	Oral 33	Oral 34	Oral 35	Oral 36	Oral 37	Oral 38	Oral 39	Oral 40	
	17:30 ~ 18:30	Break Time								
	18:30 ~ 20:30	Banquet								

Aug. 22 (Fri.)	Time	211~213 (Room A)	214~216 (Room B)	217 (Room C)	218 (Room D)	311~312 (Room E)	313 (Room F)	314~315 (Room G)	316~317 (Room H)	2A Hall
	09:00 ~ 10:30	Oral 41	Oral 42	Oral 43	Oral 44	Oral 45	Oral 46	Oral 47	Oral 48	Exhibition
	10:30 ~ 11:00	Coffee Break								
	11:00 ~ 12:30	Oral 49	Oral 50	Oral 51	Oral 52	Oral 53	Oral 54	Oral 55	Oral 56	
	12:30 ~ 14:00	Lunch								
	14:00 ~ 15:30	Poster Session III								
	15:30 ~ 15:50	Coffee Break								
	15:50 ~ 17:20	Oral 57	Oral 58	Oral 59	Oral 60	Oral 61	Oral 62	Oral 63	Oral 64	

Tutorials

The tutorials are aimed to provide introductory courses for newcomers about the information display technologies. The tutorials provide audience with basic topics: OLED, Active-Matrix Devices, AI, Micro-LED.

Workshops

The Workshops is aimed to provide fundamental principles and up-to-date progresses of cutting-edge information display technologies. At IMID 2025, a series of pre-conference workshop programs focus on LED, OLED, Perovskite, Backplane.

Young Leaders Conference

Young Leaders Conference is open to young scientists who would like to share and discuss their research achievement. Young Scientists are carefully chosen through our technical program committee and recommended for this session. All participants will take this unique opportunity to hear their recent research result. Please join our Young Leaders Conference.

Outstanding Students Conference

Outstanding Students Conference is open to students who would like to share and discuss their research results. After oral presentations, outstanding presenters among the award applicants will be selected by committees based upon their research originality and technical significance.

Paper Submission: ~~March 31 (Mon.)~~ April 14 (Mon.)

All authors are required to upload their paper (Only 1 Page) through the online paper submission system (https://imid2025.genimice.com/index.do). Please prepare your paper in PDF format for the submission. The paper template can be downloaded from our website (https://www.imid.or.kr/2025/online_paper_submission.asp).

Acceptance Notification: May 30 (Fri.)

Notification of Acceptance will be sent via e-mail to the corresponding authors and speakers. The submitted paper will 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 by our technical program committee.

Pre-Registration: June 9 (Mon.) - August 1 (Fri.)

At least, one author of each accepted papers must complete his/her registration and pay the registration fee by August 1 (Fri.), 2025; otherwise the papers will be withdrawn from the proceedings publication.

CONFERENCE SCOPE

01. Special Session I: Display Technologies for Extreme Environmental Challenges

High-durability materials and designs for displays in extreme temperatures and high-intensity sunlight; LCD readability enhancement for outdoor and high-brightness environments; OLED-based displays for diverse applications, including automotive dashboards, HUDs, AR navigation systems, and architectural integration; environmental testing and evaluation of display reliability, including thermal cycling and UV resistance; sustainability and lifespan optimization for extreme environment applications; case studies and innovations in materials, processes, and system designs for extreme environmental adaptability.

02. Special Session II: Static-to-Dynamic Form Factor Displays

Flexible, foldable, rollable, and stretchable display technologies, including deformable display materials (substrates, conductors, semiconductors, barrier layers); novel processes and manufacturing methods (printing, novel deposition/patterning techniques, transfer, laminating/delaminating); electro-optical effects; driving techniques and designs for deformable electronic devices including light-emitting devices and TFTs; and device performance and reliability for all deformable display technologies.

03. Special Session III: Ultra High Resolution Micro Displays

Materials, optical components, and devices (LCD, OLED, Micro-LED, Quantum dot, other emerging display type) for ultra-high-resolution micro displays; Pixel structures and manufacturing processes suited to micro displays; Low-power and high-dynamic range driving techniques for ultra-high-resolution micro displays; Image quality and content generation/processing for ultra-high-resolution displays; Human factors and visual experiences for ultra-high resolution micro displays.

04. Active-Matrix Devices

Micro & nano-crystal silicon, amorphous and crystalline oxide, oxynitride, metal halide, organic, and carbon nanomaterials based TFTs; quantum dot, perovskite, chalcogenides, 2D layered materials, and other emerging semiconducting materials and gate dielectric materials for TFTs; novel low temperature fabrication and annealing technology for TFTs; solution processed & printed TFTs; new structures/processes and novel application of TFTs; active-matrix devices for LCD, OLED, LED, QLED, and micro displays; novel and high performance active-matrix devices and system-on-panel (SOP); backplane technologies for emerging displays; emerging application of TFTs.

05. AI & Computational Technologies for Display

All aspects of AI & computational technology for display design/process/manufacturing/ measurement; visual inspection; scheduling, predictive maintenance, anomaly detection, classification, human vision perception; numerical algorithm; OLED device simulation; quantum computing algorithm; Prediction of material/electrical/optical/mechanical properties of display; Enhancement of image quality; quality prediction of XR and computational displays.

06. Applied Vision/Human Factors

Investigating display technologies that integrate human visual perception with physical properties, encompassing general displays, stereoscopic, autostereoscopic, AR/VR form factors, automotive, and transparent display devices. This includes optimizing display capabilities to create immersive experiences, leveraging the limitations of the visual system for efficient data processing and transmission, and developing innovative user interaction methods. Furthermore, we also develop and apply display metrology techniques to characterize and evaluate display performance, measuring optical, electrical, and perceptual parameters such as brightness, color accuracy, contrast ratio, and viewing angle, ensuring optimal display performance.

07. AR/VR/MR and 3D Display Optics

Advanced technologies for AR/VR/MR and 3D display; near-to-eye display and head-up display; stereoscopic, light-field, volumetric, and holographic displays; optics for AR/VR/MR and 3D display; image/scene capture, conversion, and machine learning for content generation; spatial computing; image formats, compressions, and standards; user interaction and low-latency techniques for immersive experience; measurement and performance evaluation; novel applications.

08. Bio-integrated Optoelectronics and Interactive Displays

Skin-attachable, implantable, or wearable soft materials, devices, and displays for advanced biomedical applications; Bio-integrated/bio-medical optoelectronics for diagnosis, therapy, and real-time health monitoring; Implantable and wearable medical technologies enabling personalized healthcare; Biocompatible sensors for integration into healthcare systems; User-interactive devices and emerging materials for human–machine interfaces; Bio-mimetic materials and 3D optoelectronics for next-generation deformable displays; Manufacturing and process innovations for reliable bio-medical devices and displays.

09. Display Electronics and Systems

Advanced algorithms for display driving technology such as AI; display system and peripheral designs; circuits and algorithms for microdisplays; touch interface electronics; TFT circuits (driving methods and circuits for display devices and systems); driver ICs; image signal processors; display interface technologies; driving electronics of touch panels; image quality enhancement methodologies and systems; neuromorphic systems; all novel integrations of displays into specialized devices as well as system-level aspects of electronic displays.

10. Display Manufacturing, Metrology, and Inspection

Thin and thick film deposition, lithography, etching, cleaning, printing, coating, measurement/inspection and various plasma technologies; process & equipment technologies for new and emerging displays including flexible & wearable applications; display manufacturing issues of breakthroughs such as performance, cost reduction, high throughput and flexibility; material issues in display process, including synthesis or deposition of emerging materials; process & equipment technology for display circuits and interfaces; process & equipment for printed electronics including display and sensors fabrication; measurement/inspection technics/application for display manufacturing process.

11. Emerging Materials and Devices

Emerging display materials and device architectures such as metamaterials, metasurfaces, 2-dimensional (2D) materials, perovskite materials, quantum dot and other related materials; Emerging display materials for XR display and devices (virtual reality, augmented reality, extended reality, hologram, 3D display, etc). High index low loss materials and active materials for display; Structural color filter for display; Transparent conducting electrode materials for display; Emerging display materials for automotive or aviation display applications, interactive display applications.

12. LC Technologies and Electronic/Optical Materials

High image quality/resolution/dynamic range LCDs; QD-enhanced LCDs; automotive LCD applications; LC for AR/VR and 3D displays; molecular design/synthesis/new LC materials; LC Chemistry; LC alignment and characterization; LC elastomers and stimuli-responsive materials; LC for EL/PL components; LC for conformable displays; smart window applications; LC Physics; optical design and simulations; optical films for displays; foldable/stretchable films; LC photonic crystals and lasers; LC semiconductors; LC-based sensor; LC lens; up/down conversion LC materials; LC materials for GHz/THz wave modulation; nano-patterning LC template; LC materials for biomedical application.

13. Micro-LEDs

Advances in LED-based displays; epitaxial and chip processes for micro-LED pixels; the materials and manufacturing process technologies for transfer printing, bonding, repair and inspection; phosphor, quantum dot and perovskite materials for micro-LED color conversion; micro-LED display panel; active and passive driving methods for micro-LED displays; miniaturization technology for flexible and stretchable applications; and active device integrated micro-LED module for bio-healthcare and automotive applications.

14. OLEDs

OLED materials; device physics and characterization for high-performance OLEDs; enhancement of out-coupling efficiency; improvement of optical properties of OLEDs; device stability and degradation analysis; organic and inorganic interfaces in OLEDs; OLED electrodes; OLED manufacturing; OLED patterning process; solution-processed OLEDs; white OLEDs for displays; encapsulation materials and processes; environmental reliability; novel applications.

15. Quantum Dots

QD fundamentals, including synthesis and characterization of Semiconductor nanocrystal QDs and perovskite, optical and electrical properties of QDs; QD display technologies, including perovskite and QD-based color conversion for LCDs, micro-LEDs, QLEDs; QD-based energy conversion devices and systems; QD photodetectors; high-resolution and fine patterning of QDs; emerging QDs, including perovskite QDs, graphene QDs and more.

Awards

The Award Committee will select award winners from the presenting authors of oral presentations and posters based on the quality of the presentation at the conference. Please submit your paper for a chance to win an award!

Name of Awards	Grade	Numbers	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 4,000,000
	Silver	2 Papers	KRW 2,000,000
	Bronze	2 Papers	KRW 1,000,000
UDC Innovative Research Award		1 Paper	KRW 15,000,000
UDC Pioneering Technology Award		1 Paper	KRW 15,000,000

※ The number of awards is subject to change depending on result of the review.
※ Best Poster Awards will be selected by an on-site review.

Important Notes

• KIDS Awards and UDC Awards are applicable to the papers submitted during the regular submission period (Deadline: ~~March 31 (Mon.)~~ April 14 (Mon.), 2025).
• To be included in the candidates of KIDS Awards and UDC Awards, each author should upload a full paper (at least 4 pages or more) through the online paper submission system within the deadline.
• The final winner of UDC Awards will be selected by the KIDS Award Committee through final presentation review.
• If you would like to be Merck awardee, it is mandatory to submit your paper to JID (Journal of Information Display). JID is now indexed in the Science Citation Index Expanded (SCIE).

※ Papers previously published in another conference proceedings or journal (or scheduled for publication prior to IMID) will not be accepted.

IMID 2025 Special Exhibition

The IMID 2025 Special Exhibition will run in conjunction with the conference program and offer the exhibition opportunity to interested companies and organization as shown below. The exhibition creates an unparalleled opportunity to promote your products and service face-to-face to attending delegates from all around world.

If you want more information about exhibition, please visit https://www.imid.or.kr/2025/exhibition_guideline.asp

Information for Special Exhibition

Exhibition Title	IMID 2025 Display Future Technology Road Show
Exhibition Schedule	August 20 (Wed.) ~ 22 (Fri.), 2025 / 3 days
Venue	2A Hall, Exhibition Center Ⅰ, BEXCO, Busan, Korea
Program	Special Exhibition (Exhibitor's Booth), Exhibitor's Technology Seminar Booth, Recruiting Booth
Exhibition Items	1) Materials and components related to electronic display (Glass, Color Filter, BLU, Polarizer Film, Drive IC, OLED Material, LCD Materials, Touch Panel Materials, etc.)
	2) Instrument for electronic display (Measuring Instrument, Test System, Equipment for Manufacturing Electronic Parts and Components, Simulator, etc.)

Exhibition Fee (Excluded VAT)

Application Deadline	KIDS / KDIA Membership		KIDS / KDIA Non-Membership	
	Independent Booth (Space Only / 6M*6M)	Prefabricated Booth (Standard / 3M*3M)	Independent Booth (Space Only / 6M*6M)	Prefabricated Booth (Standard / 3M*3M)
Early-Bird (By April 30, 2025)	KRW 3,500,000	KRW 1,500,000	KRW 5,500,000	KRW 2,000,000
Advance (By June 30, 2025)	KRW 4,500,000	KRW 1,700,000	KRW 6,700,000	KRW 2,300,000
Regular (From July 1, 2025)	KRW 5,100,000	KRW 1,900,000	KRW 7,500,000	KRW 2,500.000

Benefit for Exhibitor	1) Conference Free Regular Registration per 1 booth (For the University participating as Exhibitor, Choose between 1 Conference Free Regular Registration or 2 Conference Free Student Registration) 2) Exhibitors Introduction in the special exhibition directory book. 3) Web banner linked with the official website of IMID 2025. 4) Exhibition Entry Fee 10% Discount for the company participated in IMID 2024.
How to Apply	1) Fill in the application form. 2) Send the application with business license by E-mail or FAX. 3) Receive the invoice form by the IMID 2023 secretariat office. 4) Pay the deposit (It must be paid by May 31, 2025 / 50% of total amount). 5) Pay the balance (It must be paid by August 1, 2025).
Application Deadline	1) Early-bird Application: April 30 (Wed.), 2025 2) Advance Application: June 30 (Mon.), 2025 3) Regular Application: After July 1 (Tue.), 2025 ※ Applicants can be rejected if all spaces have been reserved out.

About Busan, Korea

Located at the southern tip of the Korean peninsula, Busan is the second largest metropolis in Korea. It is home to the country's longest river, longest beach, and most significant port. Its geography includes a coastline featuring superb beaches and scenic cliffs, mountains that provide excellent hiking and extraordinary views with hot springs scattered throughout the city. Busan enjoys four distinct seasons and a temperate climate that never gets too hot or cold. For these reasons, Busan is becoming a world-class city for tourism and culture and a hot spot destination for international conventions.

Venue : BEXCO, Busan

BEXCO, a landmark in the global maritime city of Busan, is a facilitator of a successful business that has a vast wealth of knowledge and expertise. The center implements a differentiated operation strategy based on its many years of successfully attracting and hosting highly acclaimed, large scale international events. BEXCO prides itself on being a world-leading exhibition and convention center that offers incomparable value to its clients. We are looking forward to seeing you in BEXCO, Busan.

Transportation

If you want more information about transportation, please visit https://www.imid.or.kr/2025/transportation.asp
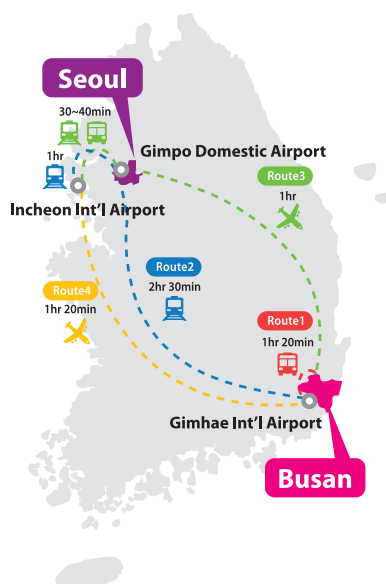
[Route 1]   Gimhae (Busan) Int'l Airport → BEXCO
[Route 2]   Incheon Int'l Airport → Busan Station (KTX) → BEXCO
[Route 3]   Incheon Int'l Airport → Gimpo Domestic Airport →
　　　　　　　Gimhae (Busan) Domestic Airport → BEXCO
[Route 4]   Incheon Int'l Airport → Gimhae (Busan) Int'l Airport → BEXCO