

# imid 2024

The 24th International Meeting on  
Information Display

**SHARE DISPLAY, SHARE LIFE**

August 20-23, 2024 | ICC Jeju, **Jeju**, Korea



IMID 2024 in Jeju

## Keynote Speakers



**Chung Yi**

Executive Vice President  
and Head of Corporate Business  
(Mobile/IT Display)  
Samsung Display, Korea



**Julie J. Brown**

Executive Vice President and  
Chief Technology Officer  
UDC, USA



**Younghoon Han**

Head of EC Lab and Vice President  
Hyundai Mobis, Korea

## Important Dates

✓ Pre-registration

June 10 (Mon.) - August 2 (Fri.)

## Organized by

The Korean Information Display Society (KIDS)

**KIDS** The Korean Information Display Society  
한국정보디스플레이학회

The Society for Information Display (SID)

**SID**  
SOCIETY FOR INFORMATION DISPLAY

## Sponsors

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## Conference Information

<b>Format</b>	Offline Conference
<b>Date</b>	August 20 - 23, 2024
<b>Location</b>	ICC Jeju, Jeju, Korea
<b>Organized by</b>	- The Korean Information Display Society (KIDS) - The Society for Information Display (SID)
<b>Program</b>	- Opening Ceremony - Keynote Addresses - Tutorials / Workshops - Regular Sessions (Oral & Poster Presentation) - Young Leaders Conference - Joint Sessions - Women in Display - Merck Science Connect - Exhibition

## Program at a Glance

Aug. 20 (Tue.)	Time	Halla A (Room A)	Halla B (Room B)	Event Hall (1F)
	14:00 ~ 18:00	Tutorials	Workshops	

Aug. 21 (Wed.)	Time	Halla A (Room A)	Halla B (Room B)	Samda (Room C)	301 (Room D)	302 (Room E)	303 (Room F)	401 (Room G)	402 (Room H)	Event Hall (1F)
	09:00 ~ 10:30	Oral 01	★Oral 02	Oral 03	Oral 04	Oral 05	★Oral 06	Oral 07	Oral 08	Exhibition
		Metrology and Inspection for Micro Display	Special Session II: High Resolution Frontplane Technologies for XR I	Semiconductor Materials and Processing for High Performance TFTs	Recent Developments in AR/VR/MR Displays	Display Circuits & Driving Technologies	Free Form Factor : Sensors and Application	Metamaterials for Display	Futtrue Micro-LED Pixel Technology	
	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	
		High Resolution Metrology Inspection and AI Technologies	Special Session II: High Resolution Frontplane Technologies for XR II	Understanding and Addressing Instabilities of TFTs	Novel Holographic Displays	Display Systems for High-Performance XR	Free Form Factor : Backplane	Emerging Materials for Display	Micro-LED Manufacturing Technology	
	12:20 ~ 13:20	Lunch (on your own)								
	13:20 ~ 14:50	Poster Session I								
	14:50 ~ 15:10	Break Time								
	15:10 ~ 15:40	Opening Ceremony (5F, Tamna A)								
	15:40 ~ 17:10	Keynote Addresses I ~ III (5F, Tamna A)	<b>[Keynote I] "Everlasting Evolution of Display with AI"</b> by Dr. Chung Yi (Executive Vice President and Head of Corporate Business (Mobile/IT Display), Samsung Display, Korea)							
<b>[Keynote II] "Energizing the Next Wave of OLED Growth"</b> by Dr. Julie J. Brown (Executive Vice President and Chief Technology Officer, UDC, USA)										
<b>[Keynote III] "Innovating Mobility: The Evolution of Vehicle Display Technology"</b> by Mr. Younghoon Han (Head of EC Lab and Vice President, Hyundai Mobis, Korea)										
17:10 ~ 18:30	Opening Party (5F, Ocean View)									

Aug. 22 (Thu.)	Time	Halla A (Room A)	Halla B (Room B)	Samda (Room C)	301 (Room D)	302 (Room E)	303 (Room F)	401 (Room G)	402 (Room H)	Event Hall (1F)	
	09:00 ~ 10:30	Oral 17	Oral 18	Oral 19	Oral 20	Oral 21	★Oral 22	Oral 23	Oral 24	Exhibition	
		Emerging QD Technologies	OLED Devices I: Future Perspectives (Advancements and Challenges)	TFT Based Functional Devices	Novel 3D Displays	Applied Vision/ Human Factors I	Free Form Factor : Frontplane	Display Component/ Systems for Next Generation Display	Innovative Color Conversion Applications		
	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		
		QLED Applications	Young Leaders Conference I	Scaling of TFTs for High Resolution Integration	Joint Session I	Applied Vision/ Human Factors II	Joint Session II	Optoelectronic Devices for Display	Microscale Lighting Materials for Display Applications		
	12:30 ~ 14:00	Lunch (on your own)				Women in Display (Room F (301))	Lunch (on your own)				
	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		
		Fundamentals of QLEDs	OLED Materials I: Advances in Emitting Materials	Merck Science Connect	Holography	Soft Sensors and Actuators for Interactive Display I	LC XR Devices	AI & Computational Technologies I	High Efficiency Light-Emitting Materials and Devices		
	17:30 ~ 18:30	Break Time									
18:30 ~ 20:30	Banquet (2F, Halla Hall, Grand Josun Jeju)										

	Time	Halla A (Room A)	Halla B (Room B)	Samda (Room C)	301 (Room D)	302 (Room E)	303 (Room F)	401 (Room G)	402 (Room H)	Event Hall (1F)		
Aug. 23 (Fri.)	09:00 ~ 10:30	Oral 41	Oral 42	Oral 43	Oral 44	Oral 45	Oral 46	Oral 47	Oral 48	Exhibitor Luncheon		
		Enhanced Optical Properties of QLEDs	OLED Materials II: Advances in Blue Emitting Materials	Emerging TFT Devices	Immersive Media Processing	Soft Sensors and Actuators for Interactive Display II	LC Applications	AI & Computational Technologies II	Printing Technology			
	10:30 ~ 10:40	Coffee Break										
	10:40 ~ 12:10	Oral 49	Oral 50	Oral 51	Oral 52	Oral 53	Oral 54	Oral 55	Oral 56			
		Young Leaders Conference II	OLED Devices II: Future Perspectives (Innovations in OLED Technology)	Flexible and Stretchable TFT Devices and Circuits	3D & Spatial Dipsplay	Bio-Integrated Optoelectronic Sensors	LC Smart Films & Materials	AI & Computational Technologies III	TFT Manufacturing			
	12:10 ~ 13:10	Lunch (on your own)										
	13:10 ~ 14:40	Oral 57	Oral 58	Oral 59	Oral 60	Oral 61	Oral 62	Oral 63	Oral 64			
		QLED Devices	OLED Materials III: Emitting Materials and New Emission Mechanisms in OLEDs	Circuit Design and Implementations ofTFT	Novel AR/VR/ MR Displays	Biomedical/ Neural Applications	LC Phenomena	AI & Computational Technologies IV	Advanced Manufacturing and Processes I			
	14:40 ~ 14:50	Break Time										
	14:50 ~ 16:20	Oral 65	Oral 66	Oral 67	Oral 68	Oral 69	Oral 70	Oral 71	Oral 72			
Material Science in QDs		OLED Devices III: Comprehensive Analysis on Devices	Fundamental Studies on FTF Devices	Computational Issues in AR/ VR/MR and 3D Displays	Flexible Biomedical Devices	LC Elastomers	AI & Computational Technologies V	Advanced Manufacturing and Processes II				



Topics	Oral Session Code
01. Special Session I: Display with Free Form Factors	06, 14, 22
02. Special Session II: High Resolution Frontplane Technologies for XR	02, 10
03. Active-Matrix Devices	03, 11, 19, 27, 43, 51, 59, 67
04. AI & Computational Technologies for Display	39, 47, 55, 63, 71
05. Applied Vision/Human Factors	21, 29
06. AR/VR/MR and 3D Display Optics	04, 12, 20, 60, 68
07. Display Electronics and Systems	05, 13
08. Display Manufacturing and Processes	48, 56, 64, 72
09. Emerging Materials and Devices for Display Technology	07, 15, 23, 31
10. LC Technologies and Electronic/Optical Materials	38, 46, 54, 62, 70
11. Light-Emitting Materials and Applications	32, 40
12. Medical/Bio-integrated Optoelectronic Materials and Devices	53, 61, 69
13. Metrology & Inspection Technologies for Display	01, 09
14. Micro-LEDs	08, 16, 24
15. OLED Frontplanes	18, 34, 42, 50, 58, 66
16. Soft Sensors and Actuators for Interactive Display	37, 45
17. Quantum Dots	17, 25, 33, 41, 57, 65
18. 3DSA	36, 44, 52
Young Leaders Conference I	26
Young Leaders Conference II	49
Merck Science Connect	35
Joint Session I	28
Joint Session II	30

## Tutorials

The tutorials are aimed to provide introductory courses for newcomers about the information display technologies. The tutorials provide audience with basic topics: QD Material and Patterning, Motion Sickness in the AR/VR, Emerging Devices and Sensors etc.

No.	Topic	Title	Speaker
1	QD Material and Patterning	Patterning Quantum Dots through Photolithography	Prof. Moon Sung Kang (Sogang Univ., Korea)
2	Emerging Devices and Sensors	Multimodal Contact-Controlled Transistors for Emerging Applications in Display and Beyond	Prof. Radu A. Sporea (Univ. of Surrey, UK)
3	Free-Form Factor	Flexible/Stretchable Display & Electronics Technology	Prof. Yongtaek Hong (Seoul Nat'l Univ., Korea)
4	Motion Sickness in the AR/VR	Towards Human-like Machine Perception	Prof. Hak Gu Kim (Chung-Ang Univ., Korea)

## Workshops

The workshop is aimed to provide fundamental principles and up-to-date progresses of cutting-edge information display technologies. At IMID 2024, a series of pre-conference workshop programs focus on Optics in the AR/VR, Microdisplay System etc.

No.	Topic	Title	Speaker
1	Outlook and Trends for AR/VR Displays	Outlook and Trends for AR/VR Displays	Dr. Leo Liu (DSCC, Taiwan)
2	Optics in the AR/VR	Waveguides and Couplers for AR and VR Displays	Prof. Jae-Hyeung Park (Seoul Nat'l Univ., Korea)
3	AR/VR Related Digital Optics	Material Innovations Enabling Current and Future AR/VR Devices	Dr. Richard Harding (Merck Performance Materials, Ltd., UK)
4	Microdisplay System	Challenges on Micro Display Driver ICs	Prof. Jaemyung Lim (Hanyang Univ., Korea)

## Young Leaders Conference

Young Leaders Conference will be arranged for 2 Sessions.

**-YLC I :** YLC Session I 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.

No.	Title	Speaker
1	Ultrahigh Resolution, Polychromatic Quantum Dot Patterning for Advanced Applications	Prof. Tae Won Nam (Pusan Nat'l Univ., Korea)
2	Epitaxial Piezoelectric Membranes for Flexible/Stretchable Electronics	Prof. Yeongin Kim (Univ. of Cincinnati, Korea)
3	Frame Interpolation for High-Frame-Rate Holographic Video Using Stochastic Gradient Descent	Dr. Dae-youll Park (ETRI, Korea)
4	Creative Use of Multi-Gate Architectures and Contact Effects for Circuit Reduction: Applications of Multimodal Transistors to Display and Beyond	Dr. Eva Bestelink (Univ. of Surrey, UK)
5	Intelligent Medical Solution Using Multimodal Electronics and Control Networks	Prof. Jae-Young Yoo (Sungkyunkwan Univ., Korea)
6	Kim Yong-Bae Award-Grand Prize	TBA

**-YLC II :** YLC Session II 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 based upon their research originality and technical significance.



## Pre-Registration: June 10 (Mon.) - August 2 (Fri.)

- ※ All conference participants at IMID 2024 should register to attend the conference and are strongly recommended to register through the online registration system.
- ※ IMID 2024 provides an Pre-registration Fee until **August 2 (Fri.), 2024** in order to generate discounted rates of the registration fee to those who are highly interested in the conference. Pre-registration by online is highly recommended to all participants for the conference at the official website.
- ※ At least, **one author of each accepted papers must complete his/her registration and pay the registration fee by August 2 (Fri.), 2024**; otherwise the papers will be withdrawn from the proceedings publication.

## Registration Period

- Pre-registration : June 10 (Mon.) - August 2 (Fri.), 2024 (**\*All presenters should register for the conference.**)
- On-site Registration : August 20 (Tue.) ~ August 23 (Fri.), 2024

## Registration Fee

Category			Offline		Remark
			Pre (Jun. 10 - Aug. 2)	On-site (Aug. 20 - Aug. 23)	
Conference Only	Regular	KIDS / SID Member	USD 590	USD 690	<ul style="list-style-type: none"> <li>• Admission to All sessions (Excluding Tutorials, Workshops)</li> <li>• Conference Kit (Including Program Book, E-program Book, E-proceedings)</li> <li>• Exhibition</li> </ul>
		Non Member	USD 690	USD 790	
	Student	KIDS / SID Member	USD 170	USD 220	<ul style="list-style-type: none"> <li>• Admission to All sessions (Including Tutorials, Workshops)</li> <li>• Conference Kit (Including Program Book, E-program Book, E-proceedings)</li> <li>• Exhibition</li> </ul> <p><i>* Students who register for conference only can attend TW without additional charge.</i></p>
		Non Member	USD 200	USD 250	
Tutorials + Workshops Only	Regular		USD 200	USD 250	<ul style="list-style-type: none"> <li>• Tutorial / Workshop Book</li> </ul>
	Student		USD 50	USD 70	
Conference + Tutorials + Workshops	Regular	KIDS / SID Member	USD 690	USD 790	<ul style="list-style-type: none"> <li>• Admission to All sessions</li> <li>• Conference Kit (Including Program Book, E-program Book, E-proceedings)</li> <li>• Exhibition</li> <li>• Tutorial / Workshop Book</li> </ul>
		Non Member	USD 790	USD 890	
Additional Purchase	Banquet		-	USD 60	<ul style="list-style-type: none"> <li>• Foreigner Only</li> <li>• On-site Registration Only</li> <li>• First-come, first-served basis</li> </ul>
	Special Tour (Excursion)		USD 10	-	<ul style="list-style-type: none"> <li>• Foreigner Only</li> <li>• Pre-registration Only</li> <li>• All tour programs require a minimum number of participants, and if this minimum is not reached, the program may be canceled.</li> </ul>

## Invited Speakers

### 01. Special Session I: Display with Free Form Factors

**Featured Invited** Dr. Nakata Mitsuru (NHK, Japan)  
 Mr. Jinwoo Choi (Samsung Display Co., Ltd., Korea)  
 Prof. Naoji Matsuhisa (Univ. of Tokyo, Japan)  
 Prof. Hiroyuki Matsui (Yamagata Univ., Japan)  
 Prof. Bowen Zhu (Westlake Univ., China)

### 02. Special Session II: High Resolution Frontplane Technologies for XR

Dr. Chiwoo Kim (APS Research, Korea)  
 Dr. Changhun Hwang (OLEDON, Korea)  
 Dr. Jonathon Schrecengost (OLEDWorks, USA)  
 Dr. Philipp Wartenberg (Fraunhofer, Germany)  
 Prof. Gaoling Yang (Beijing Inst. of Tech., China)

### 03. Active-Matrix Devices

Prof. Huipeng Chen (Fuzhou Univ., China)  
 Dr. Sung Haeng Cho (ETRI, Korea)  
 Prof. Mamoru Furuta (Kochi Univ. of Tech., Japan)  
 Prof. Keisuke Ide (Tokyo Inst. of Tech., Japan)  
 Dr. Emmanuel Jacques (Univ. de Rennes, France)  
 Prof. Toshio Kamiya (Tokyo Inst. of Tech., Japan)  
 Prof. Sunkook Kim (Sungkyunkwan Univ., Korea)  
 Prof. Chul-Ho Lee (Seoul Nat'l Univ., Korea)  
 Prof. Wei Lei (Southeast Univ., China)  
 Prof. Kenji Nomura (Univ. of California, San Diego, USA)  
 Prof. Yukiharu Uraoka (Nara Inst. of Science and Tech., Japan)

### 04. AI & Computational Technologies for Display

Dr. Balthasar Blülle (Fluxim AG, Switzerland)  
 Dr. Youngsang Choi (SAIT, Korea)  
 Dr. Scott Genin (OTI Lumionics, Canada)  
 Prof. Joonku Hahn (Kyungpook Nat'l Univ., Korea)  
 Dr. Jaebeom Han (Dassault System, Japan)  
 Prof. Sungjun Jeong (POSTECH, Korea)  
 Prof. Jungho Kim (Kyung Hee Univ., Korea)  
 Dr. Shaun Kwak (Schrodinger Inc., USA)  
 Dr. Jake Lee (Samsung Display Co., Ltd., America Lab., USA)  
 Dr. Hiroya Nitta (J-SOL, Japan)  
 Prof. Hongyun So (Hanyang Univ., Korea)

### 05. Applied Vision/Human Factors

**Featured Invited** Prof. Blankenbach Karlheinz (Pforzheim Univ., Germany)  
 Dr. Johan Bergquist (Consultant, Finland)  
 Dr. Kenichiro Masaoka (NHK, Japan)  
 Dr. John Penczek (Nat'l Inst. of Standards & Tech., USA)  
 Dr. Dale Stoltzka (Samsung Display Co., Ltd., America Lab., USA)

### 06. AR/VR/MR and 3D Display Optics

Prof. Dewen Cheng (Beijing Inst. of Tech., China)  
 Dr. Jacob Choi (Meta, USA)  
 Dr. Dieter Cuypers (imec, Belgium)  
 Prof. Yoshio Hayasaki (Utsunomiya Univ., Japan)  
 Dr. Won-Ok Kwon (ETRI, Korea)  
 Prof. Hong-Seok Lee (Pukyong Nat'l Univ., Korea)  
 Dr. Lu Lu (Meta, USA)  
 Prof. Leo Miyashita (Tokyo Univ. of Science, Japan)  
 Prof. Tomoya Nakamura (Osaka Univ., Japan)  
 Prof. Jae-Hyeung Park (Seoul Nat'l Univ., Korea)  
 Prof. Qiong-Hua Wang (Beihang Univ., China)  
 Prof. Sumio Yano (Shimane Univ., Japan)

### 07. Display Electronics and Systems

**Featured Invited** Prof. Oh-Kyong Kwon (Hanyang Univ., Korea)  
 Dr. Junhan Han (Meta, USA)  
 Dr. Masayuki Kozuka (Panasonic Corp., Japan)  
 Prof. Zong Qin (Sun Yat-sen Univ., China)  
 Prof. Shengdong Zhang (Peking Univ., China)

### 08. Display Manufacturing and Processes

**Featured Invited** Dr. Yun-Li Li (PlayNitride Inc., Taiwan)  
 Mr. Ramon Borrell (Quantica GmbH, Germany)  
 Dr. Yongseop Choi (KFE, Korea)  
 Mr. Yoshinori Domae (iPrint, Switzerland)  
 Dr. Myung Soo Huh (Samsung Display Co., Ltd., Korea)  
 Dr. Ioannis Kymissis (Columbia Univ., USA)  
 Dr. Shinri Sakai (Yamagata Univ., Japan)  
 Dr. Tri Tuladhar (Trijet Limited, UK)

### 09. Emerging Materials and Devices for Display Technology

Prof. Chih-Yu Chang (Nat'l Taiwan Univ. of Sci. & Tech., Taiwan)  
 Prof. Kentaro Iwami (Tokyo Univ., Japan)  
 Prof. Hyeon-Ho Jeong (GIST, Korea)  
 Dr. Maria Vasilopoulou (Inst. of Nanoscience and NanoTech., Greece)  
 Prof. Hongseok Yun (Hanyang Univ., Korea)  
 Prof. Wen Zhou (Xian Jiaotong Univ., China)





## 10. LC Technologies and Electronic/Optical Materials

Dr. Fumito Araoka (RIKEN, Japan)  
 Prof. Ko-Ting Cheng (Nat'l Central Univ., Taiwan)  
 Dr. Yujin Choi (KRICT, Korea)  
 Prof. Changyeon Lee (Chung-Ang Univ., Korea)  
 Prof. Yan Li (Shanghai JiaoTong Univ., China)  
 Prof. Danqing Liu (Eindhoven Univ. of Tech., The Netherlands)  
 Prof. Jiangang Lu (Shanghai JiaoTong Univ., China)  
 Prof. Yosei Shibata (Nagaoka Univ. of Tech., Japan)  
 Prof. Abhishek Kumar Srivastava (The Hong Kong Univ. of Science and Tech., Hong Kong)  
 Prof. Chien-Lung Wang (Nat'l Taiwan Univ., Taiwan)  
 Prof. QiHuo Wei (Southern Univ. of Science and Tech., China)  
 Prof. Zhongqiang Yang (Tsinghua Univ., China)  
 Prof. Dong Ki Yoon (KAIST, Korea)

## 11. Light-Emitting Materials and Applications

Prof. Kunook Chung (UNIST, Korea)  
 Prof. Robert Hoyer (Oxford Univ., UK)  
 Prof. Yong-Ho Ra (Jeonbuk Nat'l Univ., Korea)  
 Prof. Xing Sheng (Tsinghua Univ., China)

## 12. Medical/Bio-integrated Optoelectronic Materials and Devices

Prof. Sung-Liang Chen (Univ. of Michigan-Shanghai Jiao Tong Univ. Joint Inst., Taiwan)  
 Prof. L. Jay Guo (Univ. of Michigan, USA)  
 Prof. Kyungwon Han (Seoul Nat'l Univ., Korea)  
 Prof. Jong-Mo Seo (Seoul Nat'l Univ., Korea)

## 13. Metrology & Inspection Technologies for Display

CTO Ruud Bouten (Admesy B.V., The Netherlands)  
 Mr. Eric Eisenberg (Radiant, USA)  
 Dr. Yeryoung Lee (Konkuk Univ., Korea)  
 Mr. David Lewis (InZiv, Israel)  
 Mr. Shirin Saleem (COGNEX, USA)  
 Dr. Dzsaber Sami (Semilab, Hungary)

## 14. Micro-LEDs

Prof. Jong-Hyun Ahn (Yonsei Univ., Korea)  
 CEO Byoung Gu Cho (Lightizer, Korea)  
 Dr. Kyoseop Choo (Chengdu Vistar Display, China)  
 Prof. Ray-Hua Horng (Nat'l Yang Ming Chiao Tung Univ., Taiwan)  
 Dr. Byeongmoon Lee (Stanford Univ., USA)  
 Prof. Tae-Woo Lee (Seoul Nat'l Univ., Korea)

## 15. OLED Frontplanes

Prof. Malte C. Gather (Univ. of St Andrews, UK)  
 Dr. Fukagawa Hirohiko (Chiba Univ., Japan)  
 Prof. Yun-Hi Kim (Gyeongsang Nat'l Univ, Korea)  
 Prof. Ping Lu (Jilin Univ., China)  
 Prof. Andrew Monkman (Durham Univ., UK)  
 Mr. Su-Hwan Na (Merck Performance Materials, Ltd., Korea)  
 Dr. Sungho Nam (SAIT, Korea)  
 Dr. Huiqing Pang (Beijing Summer Sprout Co. Ltd., China)  
 Dr. Yong-Jin Pu (RIKEN, Japan)  
 Dr. Lara-isabel Rodriguez (Merck KGaA, Germany)  
 Dr. Hyun Shin (Samsung Display Co., Ltd., Korea)  
 Prof. Jianxin Tang (Soochow Univ., China)  
 Prof. Yafei Wang (Changzhou Univ., China)  
 Dr. Mike Weaver (UDC, USA)  
 Prof. Hui Xu (Heilungjang Univ., Japan)  
 Prof. Yeonjin Yi (Yonsei Univ., Korea)  
 Prof. Zhuji Zhao (South China Univ. of Tech., China)

## 16. Soft Sensors and Actuators for Interactive Display

**Featured Invited** Prof. Zhiyong Fan (The Hong Kong Univ. of Science and Tech., Hong Kong)  
 Prof. Wei Huang (Univ. of Electronic Science and Tech. of China, China)  
 Prof. Hae-Jin Kim (Yonsei Univ., Korea)  
 Prof. Cheolmin Park (Yonsei Univ., Korea)

## 17. Quantum Dots

**Featured Invited** Dr. Wedel Armin (Fraunhofer Inst. for Applied Polymer Research, Germany)  
 Prof. Namyoung Ahn (Yonsei Univ., Korea)  
 Prof. Hany Aziz (Univ. of Waterloo, Canada)  
 Prof. Satria Zulkarnaen Bisri (Tokyo Univ. of Agriculture & Tech., Japan)  
 Prof. Rong Chen (Huazhong Univ. of Science and Tech., China)  
 Prof. Fengjia Fan (Univ. of Science and Tech. of China, China)  
 Prof. Yizheng Jin (Zhejiang Univ., China)  
 Dr. Donghoon Kwak (Samsung Display Co., Ltd., Korea)  
 Dr. Hunter McDaniel (UbiQD, USA)  
 Prof. Nuri Oh (Hanyang Univ., Korea)  
 Dr. Maksym Prodanov (The Hong Kong Univ. of Science and Tech., Hong Kong)  
 Prof. Kai Wang (Southern Univ. of Science and Tech., China)  
 Prof. Haizheng Zhong (Beijing Inst. of Tech., China)

## 18. 3DSA

Prof. Haechul Choi (Hanbat Nat'l Univ., Korea)  
 Dr. Junsik Kim (ETRI, Korea)  
 Prof. Hoang Yan Lin (Nat'l Taiwan Univ., Taiwan)  
 Prof. Kyoji Matsushima (Kansai Univ., Japan)  
 Dr. Kwan-Jung Oh (ETRI, Korea)  
 Dr. Hisayuki Sasaki (NHK, Japan)  
 Prof. Jeongil Seo (Dong-A Univ., Korea)



## IMID 2024 Special Exhibition

The IMID 2024 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 [http://www.imid.or.kr/2024/exhibition\\_guideline.asp](http://www.imid.or.kr/2024/exhibition_guideline.asp)

### Information for Special Exhibition

<b>Exhibition Title</b>	IMID 2024 Display Future Technology Road Show
<b>Exhibition Schedule</b>	August 21 (Wed.), 09:00-17:00 August 22 (Thu.), 09:00-17:00 August 23 (Fri.), 09:00-12:00 ** Exhibitor Luncheon will be held on August 23 (Fri.).
<b>Venue</b>	Event Hall (1F), ICC Jeju, Jeju, Korea
<b>Program</b>	Special Exhibition (Exhibitor's Booth), Exhibitor's Technology Seminar Booth, Recruiting Booth
<b>Exhibition Items</b>	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 (No 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)
<b>Early-Bird</b> (By April 30, 2024)	KRW 3,500,000-	KRW 1,500,000-	KRW 5,500,000-	KRW 2,000,000-
<b>Advance</b> Advance (By June 30, 2024)	KRW 4,500,000-	KRW 1,700,000-	KRW 6,700,000-	KRW 2,300,000-
<b>Regular</b> Regular (From July 1, 2024)	KRW 5,100,000	KRW 1,900,000	KRW 7,500,000	KRW 2,500,000

<b>Benefit for Exhibitor</b>	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 2024. 4) Exhibition Entry Fee 10% Discount for the company participated in IMID 2023.
<b>How to Apply</b>	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 2024 secretariat office. 4) Pay the deposit (It must be paid by May 31, 2024 / 50% of total amount). 5) Pay the balance (It must be paid by August 1, 2024).
<b>Application Deadline</b>	1) Early-bird Application: April 30 (Tue.), 2024 2) Advance Application: June 30 (Sun.), 2024 3) Regular Application: After July 1 (Mon.), 2024 ※ Applicants can be rejected if all spaces have been reserved out.



## About Jeju Island, Korea



Located southwest of the Korean Peninsula, Jeju Island is a popular tourist destination among domestic and international travelers alike for its beautiful and pristine natural scenery.

Jeju Island is a unique place worldwide, holding the honors of the natural science area such as UNESCO World Biosphere Reserve [2002], UNESCO World Natural Heritage Site [2007] and UNESCO World Geoparks Network [2010]. Jeju Island also consists of all elements for global natural sight theme, including island, volcano, waterfall, beaches, national park, cave and forest.

Also, The reason why Jeju was able to be settled as the best place for the conference is its geographical position. Being located at the center of Northeast Asia, there are direct flights to Jeju from hub airports of the major cities in Northeast Asia. For domestic flight, more than 200 flights are available each day (round-trip).

## Venue : ICC JEJU



IMID 2024 will be held at the International Convention Center Jeju (ICC JEJU) in Jeju, an island designated as a UNESCO World Natural Heritage site. ICC JEJU is located in the Jungmun Tourist Complex with the cobalt-blue Northern Pacific stretching on the south and towering Mt. Hallasan in the north. Spreading over an area of more than

5,000m<sup>2</sup>, the world-class convention center is a 7-story building. Artfully blending tourist resources and convention facility, this resort-style convention center is fully equipped for international meetings of any scale and provides professional logistic support in events hosting. We are looking forward to seeing you in ICC JEJU, Jeju, Korea.

## Transportation

If you want more information about transportation, please visit <http://www.imid.or.kr/2024/transportation.asp>

**[Route 1]** Overseas → Direct Int'l Flight to Jeju Int'l Airport

**[Route 2]** Overseas → Incheon Int'l Airport → Gimpo Domestic Airport → Jeju Domestic Airport

**[Route 3]** Overseas → Gimpo Int'l Airport → Jeju Domestic Airport

**[Jeju Airport → ICC]** Option 1. Limousine bus

**[Jeju Airport → ICC]** Option 2. Taxi