

The 13<sup>th</sup> International Conference on Advanced Materials and Devices

# ICAMD2023

**December 4-8, 2023** Ramada Plaza Jeju Hotel, Jeju, Korea

**Onsite & Online Blended Conference**

## Organized by

**KPS** Applied Physics Division,  
The Korean Physical Society

**ICAMD2023 Secretariat**

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**William Jo, Ph.D.**

Chair, Organizing Committee, ICAMD2023  
Chair, Applied Physics Division of KPS  
Professor, Ewha Womans University

## Welcome Message

It is with great pleasure that I cordially invite you to the 13th International Conference on Advanced Materials and Devices (ICAMD2023).

For more than 27 years, ICAMD has served as an international stage for dissemination of current and emerging materials and devices research. This year ICAMD2023 will be held as an onsite event from December 4 to 8, 2023 at Ramada Plaza Jeju Hotel in Jeju, Korea and simultaneously all the scientific programs of ICAMD2023 will be accessible as either live or on-demand form. This onsite & online blended conference will afford all the attendees even more fruitful and rewarding experience than earlier events.

ICAMD2023 keeps its scientific edges from traditional subjects like 2D materials, nanoscience, oxides, energy, bio, photonics, spintronics, and organic electronics to newly emerging fields this year including quantum computing, artificial Intelligence, applied computation, and surface/interface science. At this event, a number of renowned plenary speakers across the world will provide outstanding insights on materials and devices research, along with tutorial lectures and more than a hundred brilliant invited talks. In addition, we will host several satellite workshops and bilateral symposia organized by leading research groups in Korea and international partners. If you are interested in current and future research and development of materials and devices, please do not miss this event.

The purpose of ICAMD2023 is to provide a forum to share the most important and latest developments in the field of applied physics, to exchange research ideas and future trends, and to explore potential collaboration opportunities in all regions of the world.

I look forward to your contribution and participation.



## Sponsorship & Exhibition

ICAMD2023 will host a scientific and industrial exhibition during the five-day conference at the conference venue. The exhibition is expecting diverse participation from industry, research laboratories, and institutions in the applied physics field. Your participation and interest would be highly appreciated.

### • Official Sponsorship

Section / Amount		Platinum (KRW 5,000,000)	Gold (KRW 3,000,000)	Silver (KRW 2,000,000)	Bronze (KRW 1,000,000)	Paper Ads Only (KRW 500,000)
Pre-publicity	Logo in Conference Website – Main Page	○	X	X	X	X
	Logo in Conference Website – Sponsor Page	○	○	○	○	X
	Logo in Conference Announcement	○	○	X	X	X
On-site Promotion	Video Advertisement on Session Break (15~30s)	○	X	X	X	X
	Logo in Session Break Slide	○	○	○	X	X
	Logo in Conference Room Banner	○	○	○	X	X
	Advertisement in Program Book	○ (1 page, color)	○ (1 page, color)	○ (1 page, b/w)	○ (1/2 page, b/w)	○ (1/2 page, b/w)
	Logo Printing in Program Book	○	○	○	○	X
Registration	Complimentary Registratiton (2 persons/Banquet not Included)	○	○	X	X	X
	Complimentary Banquet Invitation (2 persons)	○	X	X	X	X
Exhibition	Booth (1EA)	○	○	○	○	X
Job Fair		○	○	○	○	X

### • Exhibition
















► On-site Exhibition Booth will be equipped with

- ① 2m × 2m exhibition space
- ② 2 boards (1m × 2.3m per 1 board), one table (1.8m) and two chairs
- ③ A signboard with exhibitor's name

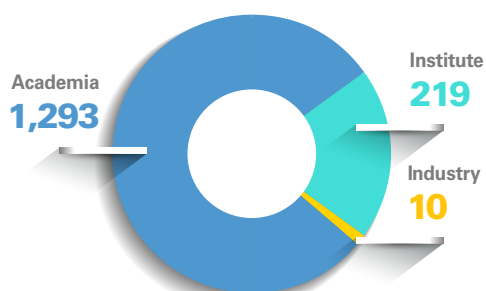


## Previous ICAMDs

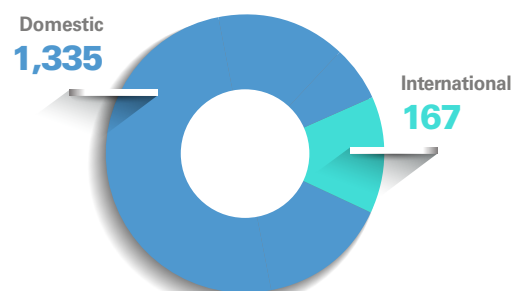
### Results of Previous ICAMDs

Year	2015	2017	2019	2021	2023
Invited Talk	 74	 127	 220	 302	 309
Presentation	 440	 616	 734	 1,046	 1,500
Participants	 549 20 countries	 809 22 countries	 1,001 17 countries	 1,522 22 countries	 2,000 25 countries

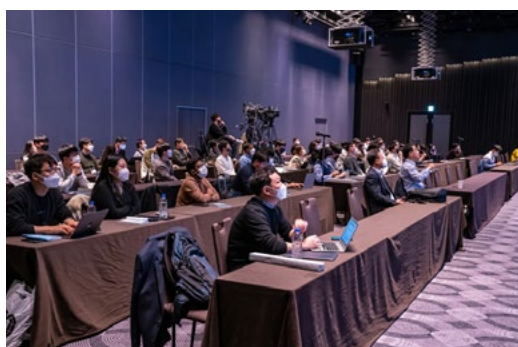
### Distribution of Participants (2021)

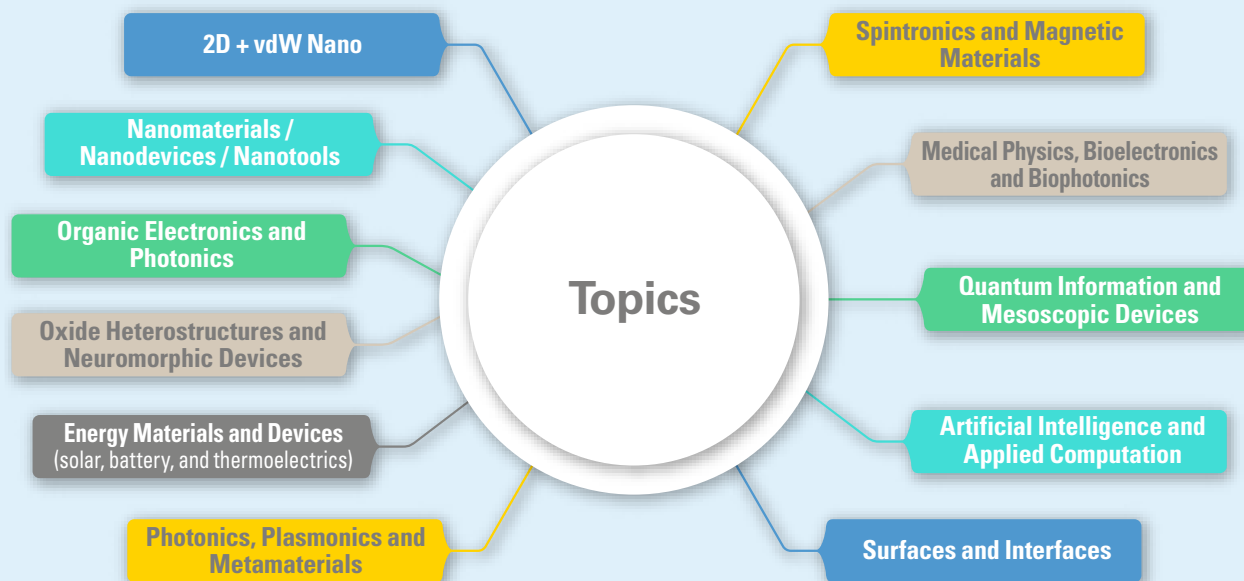


Academia / Institute / Industry



Domestic / International





## Committees

### ▪ Organizing Committee

Chair: William Jo (Ewha Womans Univ.)  
 Secretary General: Sang Hoon Kim (KIST)  
 Vice Secretary General: Sung Ho Jhang (Konkuk Univ.)  
 Treasurer: Haeyong Kang (Pusan Nat'l Univ.)

### ▪ Program Committee

Chair: Ji-Yong Park (Ajou Univ.)  
 Secretary: Young Joon Hong (Sejong Univ.), Jongseok Lee (GIST)  
 Vice Secretary: Jae-Ung Lee (Ajou Univ.), Kyoung-Whan Kim (KIST),  
 Gee Yeong Kim (KIST)

### ▪ Publication Committee

Chair: Joon Ik Jang (Sogang Univ.)  
 Secretary: Eunmi Chae (Korea Univ.), Jiwan Kim (Kunsan Nat'l Univ.)

### ▪ International Outreach Committee

Chair: Kijoon Lee (DGIST)  
 Secretary: Dong-Hyun Kim (Chungbuk Nat'l Univ.)  
 Vice Secretary: Chunli Liu (Hankuk Univ. of Foreign Studies)

### ▪ Local Committee

Chair: Hye-Won Seo (Jeju Nat'l Univ.)  
 Secretary: Young-Jun Yu (Chungnam Nat'l Univ.)  
 Vice Secretary: Yunae Cho (KIER), Kwang-Yong Jeong (Chungnam Nat'l Univ.)



## Speakers

### ▪ Keynote Speaker

Soonchil Lee (KAIST, Korea)

### ▪ Plenary Speakers

Toshihiko Baba (Yokohama Nat'l Univ., Japan), Hyeonsik Cheong (Sogang Univ., Korea), Judith Driscoll (Univ. of Cambridge, UK), Julia Greer (CALTECH, USA), Karl Leo (TU Dresden, Germany), Steven G. Louie (UC Berkeley, USA), Joachim Maier (MPI-FKF, Germany), Teruo Ono (Kyoto Univ., Japan), Jiwoong Park (Univ. of Chicago, USA), Zhi-Xun Shen (Stanford Univ., USA), Seigo Tarucha (RIKEN, Japan), Chris Xu (Cornell Univ., USA)

### ▪ Tutorial Speakers

Sangmin An (Jeonbuk Nat'l Univ., Korea), Hyunju Chang (KRICT, Korea), Woo Seok Choi (Sungkyunkwan Univ., Korea), Dohun Kim (Seoul Nat'l Univ., Korea), Hyungjun Kim (KAIST, Korea), Kyung-Jin Lee (KAIST, Korea), Sang Hak Lee (Pusan Nat'l Univ., Korea), Tae-Woo Lee (Seoul Nat'l Univ., Korea), Hyesung Park (UNIST, Korea), Heedeuk Shin (POSTECH, Korea), Hyobin Yoo (Sogang Univ., Korea)

### ▪ Lectureship Speaker

Se-Young Jeong (Pusan Nat'l Univ., Korea)