

## Conference Scope

- Advanced Oxide Materials
- Biophysics and Biotechnology
- Devices & Applications
- Nanomaterials and Nanodevices
- Organic Electronics and Photonics
- Photonics
- Spin and Magnetism

## Abstract Submission

Prospective authors are invited to submit abstracts for poster presentations. Abstracts can be up to 1 page in length. A review process for those who submitted abstracts will be managed by the ICAMD2013 program committee. Abstracts must be submitted electronically via the ICAMD 2013 website from July 17 to Sep. 10, 2013. Notification of abstract acceptance will be sent by e-mail on Sep. 27, 2013.

## Manuscript Preparation and Submission

Regular research papers are solicited for both Invited and poster presentations at ICAMD. All submitted papers will be peer-reviewed according to the editorial policies of the Journal of the Korean Physical Society (JKPS).

Accepted papers will be published in special issues of JKPS, an SCI-listed international journal. Manuscripts should be at least 4 pages in length and should be submitted via the KPS website no later than November 30, 2013. More information will be announced in early October.



## Venue

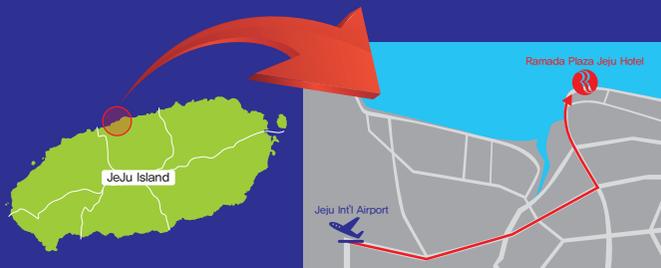
Ramada Plaza Jeju Hotel is close to the sea and is famous for its unique design based on the motif of a luxury cruiser. It will take about 10 minutes by car from Jeju Port or Jeju Airport to come to the hotel. Located on a new downtown area in Jeju, it will be remembered as a tourist attraction.

For detail information, please visit <http://www.ramadajeju.co.kr>



## Transportation

- How to get to the Venue



- Travel Route at a Glance



ICAMD2013 Secretariat For Registration & Inquiries

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The 8<sup>th</sup> International Conference on  
Advanced Materials and Devices

# ICAMD 2013

December 11–13, 2013

Ramada Plaza Jeju Hotel, Jeju, Korea

[www.icamd.or.kr](http://www.icamd.or.kr)

## Important Dates

- |                                       |                                |
|---------------------------------------|--------------------------------|
| • Abstract Submission                 | July 17 – September 10, 2013   |
| • Notification of Abstract Acceptance | September 27, 2013             |
| • Full Program Announcement           | October 11, 2013               |
| • Early Registration                  | October 13 – November 18, 2013 |
| • Accommodation & Flight Reservation  | October 13 – November 18, 2013 |
| • Paper Submission Deadline           | November 30, 2013              |

## Organized by

Applied Physics Division, The Korean Physical Society

## Sponsored by

Center for Functional Interfaces of Correlated Electron Systems, Institute for Basic Science  
Center for Nanoparticle Research, Institute for Basic Science  
Crystal Bank  
KAIST Micro/Nano-Photonics Laboratory  
KAIST SDC Display Research Center  
Quantum Metamaterials Research Center  
Korea Tourism Organization



## Welcome Message

The 8<sup>th</sup> International Conference on Advanced Materials and Devices (ICAMD 2013) will be held from December 11<sup>th</sup> to December 13<sup>th</sup>, 2013 at Ramada Plaza Jeju Hotel, Jeju, Korea. It is organized by the Applied Physics Division of the Korean Physical Society.

ICAMD 2013 is one of the major international conferences hosted by the Korean Physical Society, gathering physicists from around the world in the field of applied physics.

The First ICAMD in 1996 was held at Phoenix park, and the second ICAMD in 1999 at Hanyang University.

Since 2003, ICAMD has been held biennially at Ramada Plaza Jeju Hotel, Jeju, Korea with great success.

The purpose of ICAMD 2013 is to provide a forum to review the most important and latest developments in the field of applied physics, to exchange updated research achievements and future trends in applied physics, to promote application of physics related to the development, and to provide potential collaboration opportunities in all regions of the world.

We are looking forward to your contribution and participation.



## Listed of Plenary Speakers

- **Paul Alivisatos** (Lawrence Berkeley National Lab. / U.S.A.)  
- Design and Synthesis of Multi-Component Colloidal Nanocrystals for Catalysis and Sensing
- **Burkard Hillebrands** (Technische Universität Kaiserslautern / Germany)  
- Smart Magnon Spintronics
- **Bernard Kippelen** (Georgia Institute of Technology / U.S.A.)  
- Advances in Organic Semiconductors for Flexible Printed Electronics
- **Tae Won Noh** (Seoul National Univ. / Korea)  
- Understandings of Resistance Switching Phenomena from Fundamental Physics Point of View
- **Darrell Schlom** (Cornell Univ. / U.S.A.)  
- Tunable Microwave Dielectrics with Record Performance
- **Xiang Zhang** (Univ. of California, Berkeley / U.S.A.)  
- Photonics Beyond Diffraction Limit: Plasmon Waveguide, Cavities and Integrated Laser Circuits

## List of Confirmed Invited Speakers

### Advanced Oxide Materials

Cheol Seong Hwang (Seoul National Univ., Korea)	Ho Nyung Lee (Oak Ridge National Lab., U.S.A.)
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Kyle Shen (Cornell Univ., U.S.A.)	
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### Biophysics and Biotechnology

Gwangro Lee (GIST, Korea)	Jong Bum Lee (Univ. of Seoul, Korea)
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Won Hee Lee (KAIST, Korea)	Hirofumi Noji (The Univ. of Tokyo, Japan)
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Sung Ha Park (Sungkyunkwan Univ., Korea)	
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### Devices & Applications

Byung Jin Cho (KAIST, Korea)	Jeong Ho Cho (Sungkyunkwan Univ., Korea)
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Jinseong Heo (Samsung Advanced Institute of Technology, Korea)	Karsten Horn (Fritz-Haber-Institut, Germany)
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Moongyu Jang (ETRI, Korea)	John B. Ketterson (Northwestern Univ., U.S.A.)
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Yutaka Ohno (Nagoya Univ., Japan)	Hyung Gyu Park (ETH Zurich, Switzerland)
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### Nanomaterials & Nanodevices

Jong-Hyun Ahn (Yonsei Univ., Korea)	Hee Cheul Choi (POSTECH, Korea)
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Shadi A. Dayeh (Univ. of California, San Diego, U.S.A.)	Alberto Morpurgo (Univ. of Geneva, Switzerland)
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Jeong Young Park (KAIST, Korea)	Hongqi Xu (Peking Univ./Lund Univ., China/Sweden)
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### Organic Electronics & Photonics

Kyung Cheol Choi (KAIST, Korea)	Seongil Im (Yonsei Univ., Korea)
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Yoshihiro Iwasa (The Univ. of Tokyo, Japan)	Jun Takeya (Osaka Univ., Japan)
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Martin Taylor (Bangor Univ., U.K.)	
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### Photonics

Javier García de Abajo (CSIC, Spain)	Wonshik Choi (Korea Univ., Korea)
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Zuyuan Joey He (Shanghai Jiao Tong Univ., China)	Jeongyong Kim (Sungkyunkwan Univ., Korea)
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Marko Loncar (Harvard Univ., U.S.A.)	Fabian Rotermund (Ajou Univ., Korea)
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### Spin & Magnetism

Robert A. Buhrman (Cornell Univ., U.S.A.)	Jinki Hong (Korea Univ., Korea)
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Jong Ill Hong (Yonsei Univ., Korea)	Kyung-Jin Lee (Korea Univ., Korea)
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Teruo Ono (Kyoto Univ., Japan)	Henk Swagten (Technische Universiteit Eindhoven, The Netherlands)
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Maxim Tsoi (The Univ. of Texas at Austin, U.S.A.)	
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## Committees

Organizing Committee	Young Dong Kim	Chair / Kyung Hee Univ.
	Hyeonsik Cheong	Secretary General / Sogang Univ.
	Chinkyoo Kim	Treasurer / Kyung Hee Univ.
Program Committee	Se Young Jeong	Chair / Pusan National Univ.
	Bae Ho Park	Secretary / Konkuk Univ.
Local Committee	Kwang-Man Lee	Co-chair / Jeju National Univ.
	Seung-Hyun Chun	Co-chair / Sejong Univ.
	Dong-Wook Kim	Secretary / Ewha Womans Univ.
Publication Committee	Maeng-Je Seong	Chair / Chung-Ang Univ.
	Yong-Joo Doh	Secretary / Korea Univ.
	Chun-Yeol You	Secretary / Inha Univ.

\* A complete list of the program committee members is on the website.

## Registration

Category	Pre-Registration (Oct.13 ~ Nov.8, 2013)	On-Site Registration
Regular	480,000 KRW	600,000 KRW
Student	180,000 KRW	250,000 KRW

### Registration fee includes

#### - For Regular Registrants

Admission to all Technical Sessions, Abstract Booklet, Conference Kit, Epitome, Lunch, Coffee, and Banquet.

#### - For Student Registrants

Admission to all Technical Sessions, Abstract Booklet, Conference Kit, Epitome, Lunch and Coffee.

