

IUMRS- ICAM 2015

14th International Union of Materials Research Societies-
International Conference on Advanced Materials

October 25(Sun) ▶ 29(Thur), 2015

ICC JEJU, KOREA

www.iumrs-icam2015.org



Organized by



International Union of Materials Research Societies(IUMRS)



Materials Research Society of Korea(MRS-K)

Sponsored by



KOREA TOURISM ORGANIZATION
www.kto.or.kr



IUMRS-ICAM 2015

Welcome Message



Dear Colleagues and Friends,

On behalf of MRS-Korea, it is a great privilege for me to invite you to the 14th International Union of Materials Research Societies-International Conference on Advanced Materials (IUMRS-ICAM 2015) held on October 25(Sunday)~29(Thursday), 2015 at the Jeju International Convention Center in Jeju, Korea.

As you might know, IUMRS-ICAM, the bi-annual conference, is one of the most important conferences of IUMRS. This conference will provide great opportunities for scientists, researchers, engineers and business executives from all parts of the world not only to exchange the latest knowledge but to share the state-of-art techniques in the field of material sciences.

Not to mention scientific sessions, the organizing committee plans for unique and colorful social programs through which all participants may experience fascinating Korean culture and traditions during the most pleasant autumn season in Korea.

Once again, on behalf of the MRS-Korea, I welcome all of you to IUMRS-ICAM 2015 in Jeju (Island), called "Hawaii in Korea", which no doubt will be a memorable event for fruitful outcome and the development of long-lasting personal relationships.

I look forward to your continuous interest and participation. Thank you.

Cordially yours,

A handwritten signature in black ink that reads "Soo Wahn Lee".

Dr. Soo Wahn LEE

Conference Chair
Organizing Committee of IUMRS-ICAM 2015
First Vice President of IUMRS

Program at a Glance

As of February 2

Time	Oct. 25 (Sun)	Oct. 26 (Mon)	Oct. 27 (Tue)	Oct. 28 (Wed)	Oct. 29 (Thu)
08:00-09:00			Plenary Session II (08:00-09:50)		Plenary Session IV (08:30-09:50)
09:00-10:00	GA Meeting (09:00-12:00)	Opening Ceremony & Plenary Session I (08:30-10:10)	Coffee Break (09:50-10:10)	Plenary Session III (08:30-09:50)	Coffee Break (09:50-10:10)
10:00-11:00		Coffee Break (10:10-10:30)		Coffee Break (09:50-10:10)	
11:00-12:00		A.M. Sessions (10:30-12:00)	A.M. Sessions (10:10-12:00)	A.M. Sessions (10:10-12:00)	A.M. Sessions (10:10-12:00)
12:00-13:00	Lunch (12:00-14:00)	Lunch (12:00-13:30)	Lunch (12:00-13:30)	Lunch (12:00-13:30)	Lunch (12:00-13:30)
13:00-14:00	Registration		Registration	Registration	Registration
14:00-15:00		P.M. Sessions (13:30-15:00)	P.M. Sessions (13:30-15:00)	P.M. Sessions (13:30-15:00)	P.M. Sessions (13:30-15:00)
15:00-16:00	GA Meeting (14:00-17:00)	Coffee Break (15:00-15:20)	Coffee Break (15:00-15:20)	Coffee Break (15:00-15:20)	Coffee Break (15:00-15:20)
16:00-17:00		P.M. Sessions (15:20-16:50)	P.M. Sessions (15:20-16:50)	P.M. Sessions (15:20-16:50)	P.M. Sessions (15:20-16:50)
17:00-18:00		Break (16:50-17:00)	Break (16:50-17:00)	Break (16:50-17:00)	Break (16:50-17:00)
18:00-19:00		Poster Session (17:00-18:00)	Poster Session (17:00-18:00)	Poster Session (17:00-18:00)	Poster Session (17:00-18:00)
19:00-20:00		Welcome Reception (18:30-20:30)		Gala Dinner (18:30-21:00)	
20:00-21:00					

※ This program is subject to change.

※ GA Meeting: General Assembly Meeting of IUMRS Adhering Body.

Plenary Speakers



Freddy BOEY

Singapore
Nanyang Technological
University (NTU)



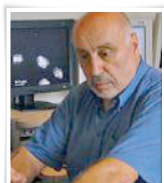
Yanfeng CHEN

China
Nanjing University



Sungjoo HONG

Korea
SK Hynix



Miguel JOSE YACAMAN

USA
University of Texas
at San Antonio



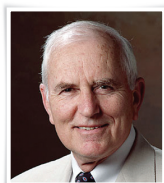
Toshihiko KOSEKI

Japan
The University of Tokyo



Juan R MORANTE

Spain
IREC



William Dale NIX

USA
Stanford University



Tsung-Tsan SU

Taiwan
Material Research
Society-Taiwan



Dongyuan ZHAO

China
Fudan University

Call for Abstracts

IUMRS-ICAM 2015 organizing committee invites all interested individuals to submit abstracts for poster and oral presentation. The topic of IUMRS-ICAM 2015 will include but not limited to the following.

- **Abstract Submission Deadline** : May 31, 2015
- **Notification of Acceptance**: July 20, 2015
- **How to submit** : On-line submission at www.iumrs-icam2015.org
- **Abstract Topics**

I. Nano and Bio Materials	II. Electronic Materials	III. Energy and Environmental Materials
<ul style="list-style-type: none"> • Low Dimensional Materials • Nano-Materials for New Energy • Multi-functional Nano-Materials • Implantable Biomaterials • Theragnosis/Biomaterials for Tissue Engineering 	<ul style="list-style-type: none"> • Flexible and Printed Thin Film Electronics • Wide Bandgap Materials • OLED • OTFT (Organic Thin-Film Transistors) • Spintronics • Advanced Oxide Materials and Thin Films: Electrical, Optical and Magnetic Devices 	<ul style="list-style-type: none"> • Photovoltaic Solar Cells • Energy Storage • Fuel Cells • Eco-materials • Recycling • Superconducting and Thermoelectric Materials for Sustainable Development
IV. Functional Materials	V. Structural Materials	VI. Ceramics and Related Materials
<ul style="list-style-type: none"> • Magnetic and Ferroelectric Materials • Multiscale Hybrids and Composites • Optical Metamaterials & Novel Optical Materials • Synthesis & Characterization • Computational Materials • Materials Chemistry and Catalysis 	<ul style="list-style-type: none"> • State-of-the-art of Steel Research • Recent Advances in Chemical Metallurgy • Bulk Metallic Glasses and High Entropy Alloys • Mechanical Behavior of Nanoscale Materials • Superalloys and High Temperature Materials 	<ul style="list-style-type: none"> • Novel Ceramic Processing • Porous Ceramics • Advanced Functional Ceramics • Nano and Hybrid Composite Ceramics • Multifunctional Ceramics

Special issues of journals for IUMRS-ICAM2015(Tentative)

- Science of Advanced Materials
- Journal of Nanoscience and Nanotechnology
- Journal of Nanoelectronics and Optoelectronics
- Nanoscience and Nanotechnology Letters
- Progress in Natural Science
- Materials Research Innovation
- Surface and Coating Technology
- Thin Solid Films
- Microelectronic Engineering

Registration

All participants are requested to register via on-line system. Please visit our website in order to proceed your registration. (www.iumrs-icam2015.org)

Classification	Pre-Registration (By Sep 30, 2015)	On-Site Registration (From Oct 1, 2015)	Benefits
Regular	USD \$650	USD \$750	<ul style="list-style-type: none"> • Admission to all sessions • Coffee break • Welcome reception • Abstract & Program book
Students	USD \$350	USD \$450	
Banquet	USD \$50	USD \$50	

Organizing Committee



Conference Chair		Prof. Soo Wahn LEE (Sun Moon University)
	Co-chair	Prof. Yafang HAN (Beijing Institute of Aeronautical Materials, AVIC)
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Information Committee	Chair	Prof. Beyong-Hwan RYU (Korea Research Institute of Chemical Technology)
Treasurer		Prof. Sang Sub KIM (Inha University)
General Secretaries		Prof. Geun Young YEOM (Sungkyunkwan University)
		Prof. Do-Kyun KWON (Korea Aerospace University)

Welcome to Jeju, Korea with World Heritages by UNESCO

Jeju, just 64 kilometers south of the Korean Peninsula, is the Korea's largest volcanic island. Jeju, called "Hawaii in Korea", is an island full of wonder. Jeju is filled with natural wild life and an ecosystem that will surely amaze all.

In this reason, Jeju is a focal point of international affairs and is able to offer people many kinds of recreational activities with breathtaking vistas, a temperate climate and a unique traditional culture.

For more information on Jeju and Korea, please visit the Korea National Tourism Organization's website (www.knto.or.kr)



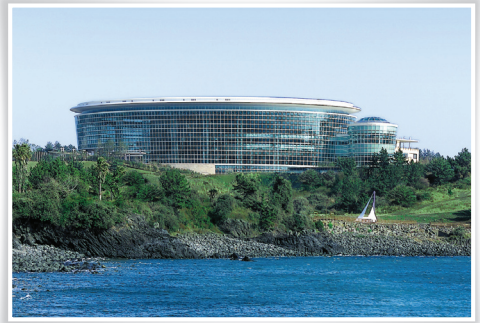
Best Place for the Rest & Convention

Jeju International Convention Center

ICC Jeju, located in the southern part of Jeju, is the world-class convention center equipped for international meetings of any scale and provides professional logistic support for hosting events.

Especially, ICC Jeju, located in the famous Jungmun Tourist Complex with the cobalt-blue Northern Pacific stretching on the south and towering Mt. Hallasan in the north, is the perfect place for your rest and convention.

For more information on ICC Jeju, please visit at www.iccjeju.co.kr.



IUMRS-ICAM2015 Secretariat

Euihak Build. 2nd floor, Seogyo-dong, Mapo-gu, Seoul, Korea [121-841]

Tel. +82-2-6925-0510 | Fax. +82-2-6925-0520 | Email. info@iumrs-icam2015.org