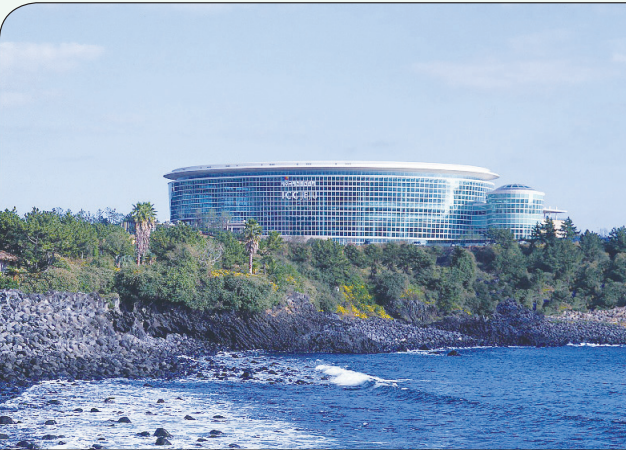


**Venue - Jeju Island**

Jeju is proud of its unique cultural folk heritage as well as its geographical and historical relevance. The island itself is an extinct volcano with its peak jutting skyward at the center and a broad, gentle littoral all the way around, a very unique geographical condition. There are bountiful forests and ravines, fantastic rock formations and volcanic craters, and caves and grasslands that together paint a natural scene of breathtaking beauty. Sparkling seas and tiny islets surround Jeju, with jutting rocks set amidst sandy beaches to create a magnificent view virtually everywhere you look.

**International Convention Center, Jeju**

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 the 5,000 m<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 for hosting events.



**Transportation**



Route 1	Overseas ▶ Incheon Int'l Airport ▶ Gimpo Int'l Airport ▶ Jeju Int'l Airport
Route 2	Overseas ▶ Incheon Int'l Airport ▶ Jeju Int'l Airport
Route 3	Overseas ▶ Gimhae Int'l Airport ▶ Jeju Int'l Airport
Route 4	Overseas ▶ Jeju Int'l Airport

**From Jeju International Airport to Venue (International Convention Center Jeju)**

From Jeju International Airport, you will reach ICC Jeju in approximately 40-50 minutes by car through Pyeonghwa-Ro Road. Limousine buses are also available every 15 minutes at the airport.

**PACRIM11 Secretariat**  
5F, Daehan Bldg., #1018 Dunsan-Dong, Seo-Gu, Daejeon 302-120, Republic of Korea  
Tel: +82-42-472-7464 / Fax: +82-42-472-7459 / E-mail: pacrim11@pacrim11.org / Website: www.pacrim11.org

# The 11th Pacific Rim Conference of Ceramic Societies

August 30~September 4, 2015  
International Convention Center (ICC), Jeju, Korea  
[www.pacrim11.org](http://www.pacrim11.org)



Organized by  
The Korean Ceramic Society

Supported by







## Welcome to PacRim-11 in Jeju Island

Welcome to The 11th International Conference of Pacific Rim Ceramic Societies (PacRim-11) in the beautiful Jeju Island in Korea from Aug. 30th to Sept. 4th, 2015.

This conference is the eleventh in the series of international conferences that provides a global forum for presentations and information exchange on the latest emerging ceramic technologies. This conference series began in 1993, hosted by the American Ceramic Society in Hawaii. Since then, PacRim conferences have been held in various countries including Australia, Korea, Japan, China and Canada. Over the years, PacRim conferences have established a strong reputation for the state-of-the-art presentation and information exchange on the cutting edge ceramic technologies. They have facilitated global dialogue and discussion with leading global experts.

We would like to invite all of you to take advantage of this unique opportunity to visit beautiful Jeju Island and actively participate in this conference. We hope to provide an excellent forum for interaction and developing friendships with participants from various countries from various continents, who are involved in research, development, engineering, manufacturing and application of ceramic materials.

Jeju Island is located off the south coast of Korea, world-class resort area with easy access. It has mild subtropical climate, visa-free entry for 180 countries, and designated as UNESCO World Nature Heritage. The conference place is International Convention Center Jeju (ICC jeju), equipped with modern facilities and commands a gorgeous view of the Pacific Ocean. I am looking forward to seeing all of you in Jeju Island.

**Dr. Hai-Doo Kim**  
Chairman, PacRim-11  
Korea Institute of Materials Science (KIMS)  
Changwon, Gyeongnam, Korea

## The 11th Pacific Rim Conference of Ceramic Societies

### CALL FOR SYMPOSIUM PROPOSALS

The below is the example of subtopical symposiums of 8 topics. Anyone who are interested in organizing the subtopical symposiums listed below are welcome to submit 1-2 page brief proposals. Other proposals which are not listed but may fit to 8 topics will also be welcome. Submission of proposals will be directed to

**Hai-Doo Kim**(khd1555@kims.re.kr),  
**Do Kyung Kim** (dkkim@kaist.ac.kr) or  
**Young-Wook Kim**(ywkim@uos.ac.kr) until March 31st, 2014.

#### I. MULTI-SCALE MODELING AND SIMULATION

Symposium 1 - Design, Modeling, and Simulation of Ceramic Interfaces  
Symposium 2 - Computational Approaches in Materials Research and Design

#### II. INNOVATIVE PROCESSING AND MANUFACTURING

Symposium 3 - Novel, Green, and Strategic Processing and Manufacturing Technologies  
Symposium 4 - Polymer Derived Ceramics and Composites  
Symposium 5 - Advanced Powder Processing and Manufacturing Technologies  
Symposium 6 - Synthesis and Processing of Materials using SPS  
Symposium 7 - Aerosol Deposition: Development and Applications

#### III. NANOTECHNOLOGY AND STRUCTURAL CERAMICS

Symposium 8 - Nanostructured Materials and Systems  
Symposium 9 - Engineering Ceramics: Carbides and Nitrides Ceramics  
Symposium 10 - Ceramic Matrix Composites: Design, Development, and Applications  
Symposium 11 - Advanced Ceramic Coatings: Processing, Properties, and Applications  
Symposium 12 - Materials for Extreme Environments: UHTC and MAX Phases  
Symposium 13 - Geopolymers; Low Energy and Environmentally Friendly Ceramics  
Symposium 14 - Transparent Ceramics

#### IV. MULTIFUNCTIONAL MATERIALS AND SYSTEMS

Symposium 15 - Advances in Electroceramics  
Symposium 16 - Microwave Materials and Their Applications  
Symposium 17 - Advanced Thermal Management Materials and Technologies  
Symposium 18 - Ceramic Sensors and Actuators  
Symposium 19 - Magnetic Materials: Memory Technology and Applications  
Symposium 20 - Oxide Thin Films: Processing, Characterization and Applications  
Symposium 21 - Silicon Carbide Semiconductors  
Symposium 22 - Oxide Superconductors  
Symposium 23 - Ceramic Catalysts and Photoelectrodes

#### V. CERAMICS FOR ENERGY AND THE ENVIRONMENT

Symposium 24 - Solid Oxide Fuel Cells and Hydrogen Technology  
Symposium 25 - Direct Thermal to Electrical Energy Conversion Materials and Applications  
Symposium 26 - Ceramics for Electric Energy Generation, Storage, and Distribution  
Symposium 27 - Ceramics for Next Generation Nuclear Energy  
Symposium 28 - Thermoelectric Materials and Systems  
Symposium 29 - Photocatalytic Materials: Reaction, Processing, and Applications  
Symposium 30 - Ceramics Enabling Environmental Protection: Clean Air and Water  
Symposium 31 - Glasses and Ceramics for Nuclear and Hazardous Waste Treatment

#### VI. CERAMICS IN BIOLOGY, MEDICINE AND HUMAN HEALTH

Symposium 32 - Advances in Biomineralized Ceramics, Bioceramics, and Bioinspired Designs  
Symposium 33 - Nano-Biotechnology and Ceramics in Biomedical Applications  
Symposium 34 - Environmental, Health, Safety of Nanomaterials: Assessment and Measurement Needs

#### VII. INNOVATIONS IN GLASS SCIENCE AND TECHNOLOGY

Symposium 35 - Glass Science  
Symposium 36 - Glass Technology, Energy, and Environment  
Symposium 37 - Glasses for Optoelectronics and Optical Applications

#### VIII. SPECIAL SYMPOSIUM

Symposium 38 - Arts and Traditional Ceramics: Pottery, Refractory, Insulators, Jewelry Ceramics

2nd Announcement

**[www.pacrim11.org](http://www.pacrim11.org)**

#### Key Dates

3rd Announcement: **August, 2014**

Submission of Abstract: **December 31, 2014**

Notification of Acceptance: **March 31, 2015**

Submission of Paper: **May 31, 2015**

Pre-Registration: **May 31, 2015**

## Symposium 6 - Synthesis and Processing of Materials using SPS

Synthesis and processing of materials using electric fields/currents Electric fields and currents have been demonstrated to be effective in processing materials with unique properties and/or increasing processing efficiency. Of particular note is the wide spread application of currents for the consolidation of powders (often referred to as Spark Plasma Sintering (SPS), Field Assisted Sintering Technique (FAST), Current Activated Pressure Assisted Densification (CAPAD) among others). This symposium is in the spirit of previous symposia on SPS that were held in conjunction with past Pacrim meetings beginning in Pacrim7, Hawaii. The success of these symposia provided evidence of the continued worldwide growth of research and development activities in this field. The symposium is aimed at providing a forum for scientists and engineers to present and discuss results of various observations on a wide variety of topics related to current assisted processing and synthesis of materials. Experimental and modeling papers covering both fundamental as well as application-oriented studies are solicited.

### Proposed Session Topics

- Fundamental investigations on current activated densification of materials
- Modeling and simulation studies of current activated densification
- Consolidation of nanocrystalline materials
- Property evaluation of materials processed using electric currents
- Field activated synthesis

### ▪ Invited Speakers (Tentative)

**E. Olevsky** (San Diego State University, USA)

**Y. Sakka** (National Institute for Materials Science, Japan)

**M. Ohyanagi** (Ryukoku University, Japan)

**M. Tokita** (NJS Co., Ltd., Japan)

### ▪ Symposium Organizers

**Takashi Goto** (Institute for Materials Research, Tohoku University, Japan)

**Javier E. Garay** (University of California, Riverside, USA)

**Manshi Ohyanagi** (Ryukoku University, Japan)

**Sungjin Kim** (Kumoh National Institute of Technology, Korea)

**Yasuhiro Kodaera** (University of California, Riverside, USA)

**Byung-nam Kim** (National Institute for Materials Science, Japan)