

ICAE 2013

The 2nd International Conference on Advanced Electromaterials

November 12(Tue.)-15(Fri.), 2013 / ICC Jeju, Jeju, Korea

Symposium 12: Application Technology for Advanced Electromaterials and Devices

Organizer

Prof. Hoon-Kyu Shin (Pohang University of Science and Technology, Korea)

Co-Organizer

Prof. Takaaki Manaka (Tokyo Institute of Technology, Japan), **Prof. Sang Jeon Hong** (Myongji University, Korea), **Prof. Sang Heon Lee** (Sunmoon University, Korea)

Description

The primary objective of the "Application Technology for Advanced Electromaterials and Devices" is to provide a symposium for discussion on all the aspects of application technology for advanced electromaterials and devices and related areas. This symposium wants to promote interdisciplinary collaborations among the fields of chemistry, physics, materials science, polymer science, semiconductor technology, optics and photonics, NEMS technology, life science, measurement and analysis, superconducting and magnetic materials and composite devices, application technology for materials and devices and others, thereby creating more effective networking among the scientists working in these fields. In particular, this year's symposium focuses on Application Technology, and its themes are the following (but are not limited to):

- 1) Application Technology for Advanced Materials
- 2) Application Technology for Electro-physical, Electro-chemical and Electro-optical
- 3) Advanced Materials for Organic Devices, Photonic Devices, Nano-Bio Devices and Soft Devices
- 4) Advanced Materials for NEMS, Sensors, Advanced Display
- 5) Graphene, CNT, Carbon Materials
- 6) Nano-scale Devices and Advanced Materials
- 7) Measurement and Analysis for Advanced Materials
- 8) Application Technology and Advanced Materials for Semiconductor
- 9) Superconducting and Magnetic Materials and Composite Devices

Invited Speakers



Prof. Takaaki Manaka
Tokyo Institute of Tech.,
Japan



Prof. Sang Jeon Hong
Myongji Univ.,
Korea



Prof. Goo-Hwan Jeong
Kangwon Nat'l Univ.,
Korea

Important Dates

- Abstract Submission **June 30, 2013**
- Acceptance Notice **July 15, 2013**
- Early Registration **July 31, 2013**
- Hotel Reservation **August 15, 2013**
- Manuscript Submission **November 12, 2013**

Symposium List

1. Ferroelectrics and Piezoelectrics: Fundamentals and New Materials
2. Ferroelectrics, Piezoelectrics, and Dielectrics: Processing and Applications
3. Nanostructured Materials for Energy Devices
4. Advanced LED and Lighting Technology
5. Thin Film Processing and Devices
6. Flexible and Printable Electronic Materials and Devices
7. Oxide Semiconductors: Fundamentals and Advanced Applications
8. Power Electronic Materials and Devices
9. Advanced Photovoltaic Materials and Devices
10. Advanced Materials for Fuel Cell Technology
11. Energy Storage Materials and Devices
12. Application Technology for Advanced Electromaterials and Devices
13. Korea-China Joint Symposium on Ferroelectricity and

Abstract Submission Guidelines

1. Abstract MUST be submitted online through the ICAE 2013 website by **June 30, 2013**.
2. **The total length of the abstract must not exceed 500 words.**
3. **Please input your abstract into online submission system.**
4. Acknowledgement of your abstract submission will be sent to the presenting/corresponding authors' email addresses.
5. Acceptance notification will be informed by **July 15, 2013**.

Paper Publication

1. Authors whose abstracts are accepted will be requested to submit manuscript by November 12, 2013. (Manuscript submission is not mandatory.)
2. After peer review, all accepted papers will be published in the following leading Journals.
 - **Physica Status Solidi** (SCI / max. 100 papers confirmed)
 - **Japanese Journal of Applied Physics** (SCI / 70 papers confirmed)
 - **Journal of Electroceramics** (SCI / 30 papers confirmed)
 - **Journal of the Korean Physical Society** (SCI / 100 papers confirmed)
 - **International Journal of Hydrogen Energy** (SCI / 40 papers confirmed)
 - **Transactions on Electrical and Electronic Materials** (Scopus, EI Compendex, DOAJ / confirmed)