

# ICAE 2013

## The 2<sup>nd</sup> International Conference on Advanced Electromaterials

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

### Symposium 11: Energy Storage Materials and Devices

#### Organizer

**Prof. Do Kyung Kim** (Korea Advanced Institute of Science and Technology, Korea)

#### Co-Organizer

**Prof. Hyunjung Shin** (Sungkyunkwan University, Korea)

#### Description

The significant demand of world energy consumption with clean and efficient energy resources has promoted the searches of new materials and technologies. This symposium will focus on the advanced materials and technologies that could help the community to achieve the clean energy storage. Materials design, electrodes architecture, and cell chemistry are key factors to extend the life, enhance the safety, and lower the cost of rechargeable batteries, which are the most efficient energy storage systems for portable electronics, renewable energy storage, smart grid, and transportation applications. A deeper understanding of the battery materials/property relationship and electrode/electrolyte interface phenomena is critical issue for the highly efficient batteries. The search for advanced high capacity electrode materials and the implementation of the challenging metal-air batteries and non-lithium batteries will be necessary for the next generation energy storage system.

#### Invited Speakers



**Prof. Riccardo Ruffo**  
Univ. of Milano Bicocca,  
Italy



**Prof. Ki-Suk Kang**  
Seoul 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)