

ICAE 2013

The 2nd International Conference on Advanced Electromaterials

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

Symposium 7: Oxide Semiconductors: Fundamentals and Advanced Applications

Organizer

Prof. Sang Yeol Lee (Cheongju University, Korea)

Co-Organizer

Prof. George Kiriakidis (Univ. of Crete and FORTH, Greece), **Prof. Jun Seop Kwak** (Suncheon National University, Korea)

Description

There has been an explosive growth of interest in both fundamental research and device applications based on Transparent Oxide Semiconductors (TOSs) over the past few years. This fascinating class of wide band-gap materials has been attracted a variety of advanced applications in the fields of, among others, liquid crystal and high definition displays, transparent conducting oxides for solar cells, gas sensors, nanoelectronics, oxides and other materials convergence devices, electrochromic, thermochromic and smart windows, in architectural coatings as well as in organic light-emitting diodes, in which they are regarded as the main candidates for the forthcoming "post-Si" electronics era. Driven by the worldwide research activities that range from fundamental physics to materials fabrication and TOS-based device development, the "Oxide Semiconductors" have been decided on the organization of the follow-up ICAE 2013.

Invited Speakers



Prof. John F. Wager
Oregon State Univ.,
USA



Prof. Toshio Kamiya
Tokyo Inst. of Tech.,
Japan



Prof. George Kiriakidis
Univ. of Crete and FORTH,
Greece



Prof. Sang Yeol Lee
Cheongju Univ.,
Korea



Prof. Sang-Woo Kim
Sungkyunkwan Univ.,
Korea



Prof. Sungkyu Park
Chung-Ang Univ.,
Korea



Prof. Jaekyoung Jeong
Inha Univ., Korea



Prof. Chulhong Park
Pusan Nat'l Univ., Korea



Prof. Kee Joo Chang
KAIST, Korea



Dr. Myungkwan Ryu
SAIT, 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)