

ICAE 2013

The 2nd International Conference on Advanced Electromaterials

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

Symposium 8: Power Electronic Materials and Devices

Organizer

Prof. Kyu-Hwan Shim (Chonbuk National University, Korea)

Co-Organizer

Dr. Jin Ho Lee (Electronics and Telecommunications Research Institute, Korea), **Dr. Nam-Kyun Kim** (Korea Electrotechnology Research Institute, Korea), **Prof. Kevin J. Chen** (Hong Kong University, Hong Kong)

Description

High-Voltage Materials and Devices, Power-MOS(LDMOS, TDMOS, SJ-MOS), Power-BJT(IGBT, HBT), Power-HFET(MODFET, HEMT), Power Diode(TVS, SCR, Thyristor, FRD, SBD), Materials(Si/SiGe, GaN, SiC), Advanced Process Technology (Epitaxy, Thin Film Growth), Advanced Applications(Automotive, LED, Solar Plant, Wind Plant, IT)

Invited Speakers



Dr. Jae Kyoung Mun
Electronics and
Telecommunications
Research Inst., Korea



Prof. Kevin J. Chen
The Hong Kong Univ.
of Science and Tech.,
China



Prof. Jung-Hee Lee
Kyungpook Nat'l Univ.,
Korea



Dr. Cheol-Koo Hahn
KETI, 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)

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