

ICAE 2013

The 2nd International Conference on Advanced Electromaterials

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

Symposium 4: **Advanced LED and Lighting Technology**

Organizer

Prof. Ja-Soon Jang (LIFTRC & Yeungnam University, Korea)

Co-Organizer

Prof. Jong-Kyu Kim (Pohang University of Science and Technology, Korea), **Dr. Jong-Hyeob Baek** (Korea Photonics Technology Institute, Korea), **Prof. Tohru Honda** (Kogakuin University, Japan), **Prof. Chih-Chung Yang** (National Taiwan University, Taiwan), **Dr. Jaehee Cho** (Rensselaer Polytechnic Institute, USA)

Description

The symposium, "Advanced LED and Lighting Technology" covers all the fields of light-emitting diodes and the solid-state lightings, which are regarded as an emerging technology. The representative topics are listed below:

- I. Growth of III-Nitrides and the characterizations
- II. Novel ways to enhance the internal quantum and light-extraction efficiency
- III. Flexible LEDs
- IV. Ohmic&Schottky contacts for high-performance LEDs
- V. Device reliability and ESD/EOS
- VI. Red and Green LEDs and the related materials
- VII. Phosphors and the white LED technologies
- VIII. Advanced packaging materials and the processing technologies
- IX. General solid-state lighting technologies
- X. Visible light-communication technologies
- XI. Advanced lighting control and the power saving technologies Eco-friendly and human attractive lighting technologies

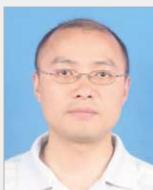
Invited Speakers



Prof. E. Schubert
Rensselaer Polytechnic
Inst., USA



Prof. Max Migliorato
Univ. of Manchester,
UK



Prof. Xiaobing Luo
Huazhong Univ. of Sci. &
Tec., China



Prof. Anthoni H.W. Choi
Univ. of Hong Kong,
Hong Kong



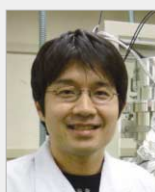
Dr. Meeryoung Cho
KILT,
Korea



Dr. Masatomo Sumiya
NIMS,
Japan



Prof. Shigefusa F. Chichibu
Tohoku Univ.,
Japan



Prof. Tomohiro Yamaguchi
Kogakuin Univ.,
Japan

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)