

Call for Papers

www.icpe2015.org

9<sup>th</sup> International Conference on Power Electronics – ECCE Asia

# ICPE 2015-ECCE Asia

June 1 ~ 5, 2015 / 63 Convention Center, Seoul, Korea

*Green World with Power Electronics*



## Welcome Message

On behalf of the Organizing Committee, it is a great pleasure for me to invite you to the 9th International Conference on Power Electronics – ECCE Asia (ICPE 2015-ECCE Asia) to be held from June 1 to 5, 2015 in Seoul, Korea.

ICPE 2015-ECCE Asia is one of the most important events that bring our members together from around the world to share professional experiences, expand our professional networks, and receive updates on the latest advances in science and technology in the field of power electronics.

The scientific program will provide an opportunity for participants to exchange new ideas and information on many important issues in power electronics engineering. High-standard plenary lectures will be provided by outstanding scholars invited both from academia and industry. The conference will be an occasion for the participants to make new acquaintance and strengthen friendship.

I welcome our colleagues from around the world to the conference, and hope that you will also be able to savor some of the fine attractions that our country offers. Korea, with a five-millennia-long history, is an attractive place to visit and has its own unique cultural heritage, distinct from that of other Asian countries. A visit to the country's numerous historical relics, ten of which are designated UNESCO World Cultural Heritage Sites, will make ICPE participants' journey all the more special.

Thank you for your continuous interest and support and, look forward to welcoming you to ICPE 2015-ECCE Asia in Seoul, Korea!

**Heung-Geun Kim**

General Chair of ICPE 2015-ECCE Asia  
Kyungpook National University, Professor

## Important Dates

Abstract and Digest Submission  
Notification of Acceptance  
Final Manuscript Submission

**October 30, 2014**  
**January 30, 2015**  
**March 30, 2015**

## Topics

1. Power Semiconductor Devices and Packaging
2. Modeling, Simulation and EMI
3. Soft Switching Converters
4. Hard Switching Converters
5. Wireless Power Transfer
6. Uncontrolled Rectifiers and AC/DC Converters
7. AC/AC Converters
8. DC/AC Inverters
9. Multilevel Power Converters
10. Electric Machines, Actuators and Sensors
11. Motor Control and Drives
12. Sensorless and Sensor-Reduction Control
13. Renewable Green Energy
14. Micro/Smart Grid
15. Distributed Generation
16. DC Transmission and Distribution
17. Power Quality
18. Energy Storage and Management Systems
19. Electric and Hybrid Vehicles
20. Fault Diagnosis and Fault Tolerant Control
21. Other Selected Topics in Power Electronics

## Abstract and Digest Preparation

Abstract and Digests must be original material and not have been previously presented or published. All materials should be electronically submitted in PDF file through the conference web site no later than **October 30, 2014**. Abstract should be within 500 words and be typed in the on-line system including paper title, list of authors, affiliations, and corresponding e-mail. Digest should be written in 4 pages at maximum, single column, single-space on A4 sized format including figures and tables. Digest should be headed by title of paper and choice of topic category. For the peer review, please do not indicate authors' name and references on the digest. Furthermore, all papers presented will be included in the IEEE Xplore. Sample Template and more detailed information can be found on our web site (<http://www.icpe2015.org>)



## Industrial Field Technology Session

The ICPE 2015-ECCE Asia will include an industrial session on power electronics technologies. The objective of this session is to provide a unique forum for the industry leaders to present their perspective on technical challenges facing future platforms and discuss potential solutions. The discussion in this forum is expected to educate the power electronics community on the challenges facing the industry and to encourage them to investigate solutions. The speakers will be announced soon.

## Tutorials

The tutorials will be featured in the first day of the conference and are aimed to provide introductory courses for the newcomers to the power electronics. The specific information will be posted on the website.

## Technical Tour

The ICPE 2015-ECCE Asia provide all delegates with the opportunity of visiting some major company or institutes of Korea. For three courses' technical visit, it is offered on the basis of first come. Please enter online registration system to get your ticket.



## Publication

Accepted papers through peer review by Technical Program Committee will be included in IEEE Explore and also can be submitted to the IEEE Transactions on Power Electronics, IEEE Transactions on Industry Applications and Journal of Power Electronics (Impact Factor: 1.238) for publication.

## Presentation

The ICPE 2015-ECCE Asia will contain a balance of papers from a range of sources, for example, clinically based, research, academia, students, clients and others. You will be required to indicate your preferred presentation type – oral or poster – when submitting your paper. In principle, your paper will only be considered for acceptance in your nominated preferred presentation type.

## Language

The official language of the conference is English. Papers submitted should be written in English.

## Registration

All conference participants are strongly recommended to register online at the official website. Participants who complete the Pre-registration process will benefit from lower costs and will be assured of being given the entire conference material package upon their arrival. The specific information will be available at the website.

## ICPE 2015-ECCE Asia Secretariat

Genicom Co., Ltd. (PCO)

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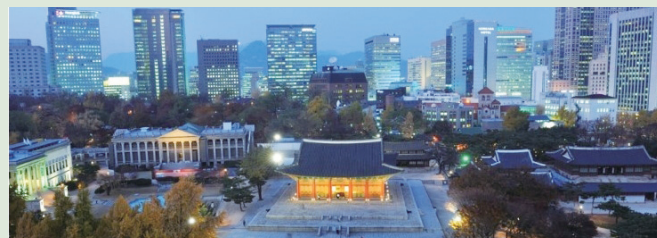
- Website: <http://www.icpe2015.org>

## Committee

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- **General Co-Chair**  
Dong F. Tan (IEEE PELS President)
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  - Co-Chair** Braham Ferreira (IEEE PELS Vice President)
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Rae-Young Kim (Hanyang University)
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  - Toshihisa Shimizu (Tokyo Metropolitan University)
  - Dehong Xu (Zhejiang University)
- **Advisory Committee**
  - Seung-Ki Sul (Seoul National University)
  - Kwang-Hee Nam (Pohang University of Science and Technology)

## Venue

Seoul, Korea



Seoul, the capital of Korea is located in the center of the west part of the country where Han River is flowing. Seoul is the heart of Korea that boasts the outstanding landscape where the mountains have a graceful shape. As a center of the Northeast Asia business, Seoul plays a role as a major hub city because it has a high efficiency in the finance and logistics, and strong competitiveness in the digital industry and knowledge-based industry and great traffic system from the airport, high-speed railroad, expressway to the nearby port facilities.

### 63 Convention Center



The 63 Convention Center is a premiere class venue for special conferences, which is located in Seoul, Korea.