Call for Papers

Major tracks of interest include, but are not limited to the following:

**Technology Innovation in Information Technology**
- Artificial Intelligence and its Applications
- Genetic Algorithms
- Fuzzy Logic and Control
- Network Privacy
- Smart Video Applications
- Intelligent Multi-Agent Systems
- Virtual Smart Living and Intelligent Processing
- Computer Vision Applications
- Smart Cloud Technology

**Internet of Things (IoT)**
- ICT Architecture for IoT
- Real-Time Systems for IoT
- Embedded Internet
- Mobile Computing & Applications
- Smart Applications for Smart Living Spaces
- IoT and Internet of Things
- Information Infrastructure for Smart Living Spaces

**Technology Innovation in Electrical and Electronics**
- Mechanical and Robotics
- Power System
- Control Theory
- Electrical Machines, Power Electronics and Drives
- Control and Automation
- Embedded Systems, Sensors, Actuators
- Communication, Networks, and Information Theory
- Computer Engineering
- Signal Image, Speech and Information Processing
- Intelligent Systems
- Power Electronics
- Energy Planning and Policy
- Energy Science and Technology
- Renewable Energy
- Green Energy
- Energy Efficiency
- Climate Change Mitigation

**Publication**

After a careful refereeing process, selected papers will be submitted and published in the IEEE Xplore Conference Proceedings and Journal indexed Scopus and Scielo.

**Best Paper Award**

The Award is given to the best two papers presented at the Icesti 2019. One award is for a paper emphasizing contributions to theory and the other emphasizing significant or innovative applications. The papers must have been presented by the author or a co-author at the conference. The quality of the written paper, oral presentation, the technical contributions, originality, and practicality will be considered.

**Important Dates**

- Extended abstracts submission: 30 May 2019
- Notification of acceptance: 30 June 2019
- Full paper submission: 30 June 2019
- Notification of acceptance: 30 June 2019
- Final paper submission and registration: 15 July 2019

**Conference Fee**

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**Note**

- At least one author for each accepted paper must preregister.
- Additional papers must contain the same list of authors with prior paper and are valid only if submitted by the same authors who have filled in the prior paper.
- Only one person can be the corresponding author on all papers, including the one presented at the conference.
- Each paper must be submitted as a single file in Word or PDF format.
- All accepted papers will be published in IEEE Xplore conference proceedings.
- Authors are required to submit their papers electronically through the conference's official submission system.

**Registration**

For more information, visit the conference website at http://www.icesti.org

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**Keynote Speakers**

- **Prof. Yosuke Nakano**, Ph.D.
  - Graduate School of Information Science, Tohoku University, Japan

- **Prof. Dr. Ir. Mauridi Hery Purnomo**, M.Eng.
  - Director General, Indonesia National Institute of Technology, Yogyakarta

- **Prof. Giovanni Bernardi**, Ph.D.
  - Department of Mechanical Engineering, University of Rome, Italy

- **Prof. Dong-Seong Kim**
  - RINH National Institute of Technology, Korea

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**Call for Papers**

4th Annual International Conference on Electrical, Electronic, and Information Technology

**ICESTI 2019** will provide a forum for accessing to the most up-to-date and authoritative knowledge from both industrial and academic worlds, sharing best practices in the field of electrical systems, technology and information towards sustainable development. The conference will provide an opportunity to highlight recent developments and to identify emerging and future areas of growth in these emerging fields.

**24-27 October 2019**

Bintang Bali Resort Hotel
Jl. Kuta Beach, South Kuta Beach, Kuta Bali 80361, Indonesia

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**Contact Person**

For paper submission and conference-related inquiries, please contact the following:

**Aswin Agri Kurniawan, Ph.D.**
- Email: awsofi2017@gmail.com
- Phone: +62 8123 2386 500

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Preface 4th ICESTI 2019

This proceeding includes the original, peer-reviewed research papers from the 4th International Conference on Electrical Systems, Technology and Information (ICESTI 2019), held during 24-27 October 2019, at Bintang Bali Resort Hotel, Kuta, Bali, Indonesia.

The primary objective of this proceeding is to provide references for dissemination and discussion of the topics that have been presented in the conference. This volume is unique in that it includes work related to Electrical Engineering, Technology and Information towards their sustainable development. Engineers, researchers as well as lecturers from universities and professionals from industry and government will gain valuable insights into interdisciplinary solutions in the field of Electrical Systems, Technology and Information, and its applications.

It explores emerging technologies and their application in a broad range of engineering disciplines, including communication technologies, smart grids, and renewable energy. It examines hybrid intelligent and knowledge-based control, embedded systems, and machine learning. It also presents emerging research and recent application in green energy system and storage. It discusses the role of electrical engineering in biomedical, industrial and mechanical systems, as well as multimedia systems and applications, computer vision and image and signal processing.

In the conference there were three invited papers, entitled: “Power System Planning for Energy Transition”, “CAE Based Method for Designing Compliant Mechanism”, “The Role of Deep Learning in Computational of Power System Operation”, and “Reliability and Real Time in Industrial IoT”, and one invited speaker with the topic of “Grid Integration of Renewable Energy Technical Challenge to Technological Solution”.

This conference was also attending by special guests from e-Asia Joint Research Project, a research collaboration among four countries, Institut Teknologi Nasional Malang supported by RISTEKDIKTI, Waseda University supported by Japan Science and Technology Agency, Mindanau State University-Iligan Institute of Technology supported by DOST, The Philippines, and NECTEC research center supported by Nasdac Thailand. This collaborative research focus on Energy Infrastructure in e-Asia Countries.

The Proceedings of the 4th ICESTI 2019 consists of 27 selected articles, amount 24 of them were the results of joint research by Indonesian and overseas scholars. In the collaboration research, 32 institutions were involved 18 of which were from abroad Indonesia. The overseas institutions are from Australia, Estonia, Germany, India, Japan, Latvia, Lithuania, Malaysia, the Netherlands, Palestine, Philippines, Republic of China, Singapore, Sweden, & United Kingdom. Editing procedures were held by scholars from four countries (Estonia, Georgia, India, Indonesia)

In addition, we are really thankful for the contributions and for the valuable time spent in the review process by our Advisory Boards, Committee Members and Reviewers. Also, we appreciate our collaboration partners (Petra Christian University, Surabaya; University of Ciputra, Surabaya), and also to our keynote and invited speakers from Graduate School
of Environment and Energy Engineering, Waseda University, Japan; Department of Mechanical Engineering, Energy, Management, and Transport University of Genoa, Italy, Department of Electrical Engineering, Kumoh National Institute of Technology, South Korea, Department of Electrical Engineering, Sepuluh Nopember Institute of Technology, Surabaya, and School of Information Technology and Electrical Engineering, The University of Queensland, respectively. And also thanked to Department of Electrical Engineering, National Institute of Technology, Malang, Indonesia, Bintang Bali Resort Hotel, Kuta, Bali, E3S Web of Conferences, and “Rumah Paper Kita” as editing and proofreading services.

On behalf of the Organizing Committee

Abraham Lomi
General Chairman

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4th ICESTI 2019 is the flagship conference and is organized by:

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The Venue of the 4th ICESTI 2019, Bintang Bali Resort Hotel, Bali, Indonesia

Photo Session
Delivered Gift to Keynote Speaker
Left: Prof. Abraham Lomi, General Chairman ICESTI 2019
Right: Prof. Giovanni Berselli, Ph.D.

Delivered Gift to Keynote Speaker
Left: Prof. Abraham Lomi, Right: Prof. Dong-Seong Kim

Delivered Gift to Keynote Speaker
Left: Prof. Abraham Lomi
Right: Assc. Prof. Mithulananthan

Photo Session: General Chair and Keynote Speakers
Participants and Presentation Session

Presenters Photo
Question and Answer Session Conferences
Please email to the Contac Person below.
If you need a proceeding cover the 4th ICESTI 2019 above

Roy Hendroko Setyobudi
Email: roy_hendroko@hotmail.com
Phone/ WA: +62 815 9555 028