

ICITEE 2017

The 9th International Conference on
Information Technology and Electrical Engineering,
October 12-13, 2017
Centara Grand Beach Resort Phuket, Thailand



Organizer

Faculty of Information Technology, King Mongkut's
Institute of Technology Ladkrabang (KMITL), Thailand

Department of Electrical Engineering and Information
Technology, Universitas Gadjah Mada (UGM),
Indonesia

Technical Sponsor

IEEE Thailand Section
IEEE Control Systems Society Thailand Chapter
IEEE Computational Intelligence Society Thailand Chapter
ECTI Association

International Advisory Committee

Suchatvee Suwansawat (KMITL, Thailand)
Chanboon Sathitwiriawong (KMITL, Thailand)
Lukito Edi Nugroho (UGM, Indonesia)
Masanori Sugimoto (Hokkaido U, Japan)
Richard Vidgen (UNSW, Australia)
Glen Tian (QUT, Australia)

Organizing Committee

General Chair

Nopporn Chotikakamthorn (KMITL, Thailand)

General Co-Chair

Suharyanto (UGM, Indonesia)

Technical Program Chair

Worapoj Kreesuradej (KMITL, Thailand)

Technical Program Co-Chair

I Wayan Mustika (UGM, Indonesia)

Keynote and Invited Session Chair

Kitsuchart Pasupa (KMITL, Thailand)

Publication Co-Chairs

Arit Thammano (KMITL, Thailand)
Samart Moodleah (KMITL, Thailand)

Regional Co-Chairs

Hanung Adi Nugroho (UGM, Indonesia)
Loo Chu Kiong (UM, Malaysia)
Kazuhiko Hamamoto (Tokai U, Japan)
Le Thi Lan (HUST, Vietnam)

Local Arrangement Co-Chairs

Natapon Pantuwong (KMITL, Thailand)
Bundit Thanasopon (KMITL, Thailand)
Lapas Pradittasnee (KMITL, Thailand)

Publicity Chair

Boonprasert Surakratanasakul (KMITL, Thailand)

Secretariat

Olarn Wongwirat (KMITL, Thailand)

For further information, please refer to

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

Email - icitee2017@it.kmitl.ac.th

FINAL CALL FOR PAPERS

"Synergistic Technologies for the Future"

The 9th International Conference on Information Technology and Electrical Engineering, ICITEE 2017, is an annual international conference organized by King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand, and co-organized by Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia. Its theme is "Synergistic Technologies for the Future" and it will be held at Centara Grand Beach Resort Phuket, Thailand, during October 12-13, 2017.

ICITEE 2017 aims to strengthen the collaboration and to provide a forum for academicians, professionals and researchers to discuss and exchange their research results, innovative ideas, and experiences in all aspects of advanced and synergistic technologies. The conference will feature regular paper presentations, invited sessions, and keynote addresses.

The accepted and presented papers will be submitted to IEEE Xplore® and indexed by SCOPUS, EI Compendex, ISI Conference Proceedings Citation Index, and major databases. The topics of interest include but are not limited to the following areas:

- **INFORMATION TECHNOLOGY:** Distributed Systems, Knowledge Discovery, Big Data and Data Mining, Visualization and Computer Graphics, Multimedia Technology, Human Computer Interaction, Social Media, Mobile Computing, Internet of Things, Software Engineering, Information Systems, Decision Support System, Digital Marketing
- **SIGNAL PROCESSING & MACHINE INTELLIGENCE:** Artificial Intelligence, Machine Learning, Applications of GPU for Machine Learning, Signal and Image Analysis, Image Understanding, Computer Vision, Natural Language Processing, Bioinformatics
- **COMMUNICATION & NETWORK TECHNOLOGIES:** Networking and Telecommunication Systems, Wireless Ad-hoc and Sensor Networks, Cognitive Radio, Cooperative Communications, Radio Resource Management and Optimization, Vehicular Communications, Information Theory, Software Defined Networking
- **ELECTRONICS, CIRCUITS, AND SYSTEMS:** Green Design for VLSI and Micro Electronic Circuits, Embedded Systems and SoC design, Power Electronics, RF Devices and Circuits, Computer-Aided-Electronics Design and Technology, Device Material and Manufacturing Technology, Photonic and Optoelectronic Circuits
- **POWER SYSTEM:** Power Generation, Protection, and Conversion, Power Engineering and Systems, High-Voltage Engineering, Power Transmission and Distributions, Electric Motors, Power Electronics, Smart Grid, Renewable Energy, Microgrid and Distributed Generations
- **CONTROL SYSTEMS:** Control Theory and Applications, Robotics and Autonomous Systems, Intelligent Control, Robust and Nonlinear Control, Adaptive Control, Industrial Automation and Control Systems Technology, Control of Infinite Dimensional Systems, Geometric Control Theory and Applications

Important Dates:

Extended deadline:

Paper-submission-deadline: **1 July 2017**

Notification of acceptance: **1 September 2017**

Early bird registration by: **10 September 2017**

Camera ready submission by: **15 September 2017**

Regular registration by: **15 September 2017**

Late registration from: **16 September 2017**

11 August 2017 (Final)

21 July 2017

Paper Submission:

Authors are cordially invited to submit full papers (4 to 6 pages) in PDF format. Please download the template from the conference website and submit the full papers online at <http://www.icitee.org>. Upon acceptance, authors are required to register and present their papers at the conference. The paper that is not presented by the author at the conference will be excluded from distribution in IEEE Xplore® Digital Library. Papers which make outstanding contributions to the relevant topics will be considered for best paper awards. Selected papers will be revised and extended to be published in an ISI indexed journal. (To be confirmed)

Technical Co-Sponsors:



Organized by:



Faculty of Information Technology,
King Mongkut's Institute of Technology
Ladkrabang, Thailand

Co-organized by:



Department of Electrical Engineering
and Information Technology
Universitas Gadjah Mada
Yogyakarta, Indonesia

Keynote Speaker



Prof. Dr. Irwin King

The Chinese University of Hong Kong, Hong Kong

Title: Big Education in the Era of Big Data



Prof. Dr. Varakorn Kasemsuwan

King Mongkut's Institute of Technology Ladkrabang, Thailand

Title: Design Considerations of Low-Voltage Low-Power Analog Integrated Circuit



Assoc. Prof. Dr. Lukito Edi Nugroho

Universitas Gadjah Mada, Indonesia

Title: ICT and the Construction of Meaningful Two-Way Relationships between Government and Citizens in Developing Countries



Prof. Dr. Yasushi Yagi

Osaka University, Japan

Title: Gait Analysis for Person Authentication



Assoc. Prof. Dr. Sooksan Panichpapiboon

King Mongkut's Institute of Technology Ladkrabang, Thailand

Title: Infrastructure-less Mobile Traffic Sensing

Phuket

Phuket is one of the most popular tourist destinations in Thailand. According to the Department of Tourism of Thailand, there were almost 12 million tourists visited Phuket in 2015. The island's long history has shaped the Phuket of the present with its diverse ethnic groups, culture, architectural influence, and fine cuisine. These attributes have made Phuket a complete tourist destination that offers a lot more beyond its natural heritage of sea, sand, forest, and world-renowned diving sites. Sino-Portuguese architecture casts its spell delighting travellers to the city, while Phuket style of hospitality has never failed to impress visitors from all walks of life.



History

In the early days of regional maritime trade, the cape of Phuket was locally referred to as Jung Ceylon, while locals called it Thalang, which evolved to be the name of the main town to the north of the island. As the perfect stopover sheltering traders from monsoons, Jung Ceylon welcomed merchants from India, Persia, Arabia, Burma, China, and also Siam. During the 16th century, the island was a popular trading port for tin. The development of mining was so unprecedented. Chinese businessmen and miners later migrated to Phuket and soon enjoy thriving wealth.

Getting to Know

1. Phuket is located approximately 862 kilometres south of Bangkok.
2. There are only two seasons in a year the green season (May to October) and the hot season (November to April).
3. Phuket is divided into 3 administrative districts: namely, Amphoe Muang, Amphoe Thalang and Amphoe Kathu.

Source: <http://www.tourismthailand.org>
Photo by: Phuket Tourism Authority of Thailand