



1st call for paper

ECTI-CON 2015

Hua Hin, Thailand, June 24 – 27, 2015

ECTI-CON 2015 is the twelfth annual international conference organized by Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Association, Thailand. The conference aims to provide an international platform to present technological advances, launch new ideas and showcase research work in the field of electrical engineering, electronics, computer, telecommunications and information technology. Accepted papers will be published in the Proceedings of ECTI-CON 2015 and will be submitted for inclusion into IEEE Xplore. Acceptance will be based on quality, relevance and originality.



Advisory Committee
Monai Krairiksh(KMITL)
Prabhas Chongsatitwattana (CU)
Arthit Ourairat (RSU)

Steering Committee
Tomoaki Sato (Hiroaki U, Japan)
Yoshihiro Matsui (TNCT, Japan)
Kou Yamada (Gunma U, Japan)
Prayoot Akkaraekthalin (KMUTNB)
Naruemon Wattanapongsakorn (KMUTT)
Tuptim Angkaew (CU)
Kosin Chamnongthai (KMUTT)

General Chair
Prayoot Akkaraekthalin (KMUTNB)

General Co-Chairs
Thammasak Rujirayanyong (RSU)
M.L.Kulthorn Kasemsan (RSU)

Vice General Chairs
Duangarhit Srimoon (RSU)
Somchai Lekcharoen (RSU)

Technical Program Chair
Chuwong Phongcharoenpanich (KMITL)

Publication Chairs
Siriwan Wasukree (RSU)
Kowit Rapeepisarn (RSU)
Kiattisak Maichalernnukul (RSU)
Suttisak Jantavongso (RSU)

Sponsor & Exhibition Chairs
Somboon Sooksatra (RSU)
Chetneti Srisa-an (RSU)

Local Arrangement Chairs
Supattana Nirukkanaporn (RSU)
Monruthai Radeerom (RSU)

Information System Chair
Todsana Chumwatana (RSU)
Suttisak Jantavongso (RSU)

Finance Chairs
Yannavut Supichayangoon (RSU)
Sarawuth Chaimool (ECTI)
Phairin Kaewkrui (ECTI)

General Secretary
Phaisan Ngamjanyaporn (RSU)

Area 1) Device, Circuits and Systems:

Semiconductor Devices, Analog Circuits, Digital Circuits, Mixed Signal Circuits, Nonlinear Circuits and Systems, Sensing and Sensor Networks, Filters and Data Conversion Circuits, RF and Wireless Circuits, Photonic and Optoelectronic Circuits, Low Power Design and VLSI Physical Design, Biomedical Circuits, Assembly and Packaging Technologies, Test and Reliability, Advanced Technologies (i.e. MEMS and Nano-electronic Devices, Metamaterials), Agritronics, Embedded Systems;

Area 2) Computers:

Computer Architecture, Computational Biology and Bioinformatics, Knowledge and Data Engineering, Learning Technologies, Multimedia Services and Technologies, Mobile Computing, Parallel/Distributed Computing and Grid Computing, Pattern Analysis and Machine Intelligence, Software Engineering, Visualization and Computer Graphics;

Area 3) Information Technology:

IT Bio/Medical Engineering, Bioinformatics and Applications, Ontology, Business and Information Systems, Information Security and Forensics, Information Retrieval, Data Mining, Knowledge Management, Electronic Commerce, Health and Medical Informatics, Hybrid Information Technology;

Area 4) Communication Systems:

Communication Theory and Information Theory, Antenna and Propagation, Microwave Theory and Techniques, Modulation, Coding, and Channel Analysis, Networks Design, Network Protocols, Network Management, Optical Communications, Wireless/Mobile Communications & Technologies, Green Wireless Networks, Green Radio;

Area 5) Controls:

Control Theory and Applications, Adaptive and Learning Control System, Fuzzy and Neural Control, Mechatronics, Manufacturing Control Systems and Applications, Process Control Systems, Robotics and Automation;

Area 6) Electrical Power Systems:

Power Engineering and Power Systems, Electromagnetic Compatibility, Energy Conversion, High Voltage Engineering and Insulation, Power Delivery, Power Electronics, Illumination, Renewable/Alternative Energy, Energy Policy and Planning;

Area 7) Power Electronics:

Power Devices and Components, Power Quality Control, Harmonic Analysis and Compensations, Switching Circuits and Power Converters, Motor and Drives, Smart Grid, Distribution Generation and Electrical Vehicles, Photovoltaic Materials and Solar Cells;

Area 8) Signal Processing:

Signal Processing Theory, Digital Signal Processing Algorithms, Digital Filter Design & Implementation, Array Processing, Adaptive Signal Processing, Audio, Speech, and Language Processing, Image and Video Processing, Medical Signal Processing & Medical Imaging;

Special sessions:

The aim of special sessions is to provide researchers with an opportunity to present their latest, cutting-edge research within specific fields relevant to the theme of the conference. Prospective organizers should submit proposals to the General Secretary via email ecticon2015@rsu.ac.th by October 30, 2014.

Paper submission:

- Prospective authors are invited to submit original full papers **without author's names and affiliations, in English**, of 4-6 pages in standard IEEE two-column format only, reporting their original work and results, applications, and/or implementation in one or more of the listed topics.
- Papers must be submitted only by internet through the submission system of the conference website.
- At least one author of each accepted paper **MUST** register and present paper at the conference in order for the paper to be included in the program. The program will be submitted for inclusion into IEEE Xplore.

Important dates:

- Full paper submission: Jan 31, 2015
- Notification of acceptance: Apr 30, 2015
- Camera-ready paper submission: May 15, 2015
- Authors and Early-bird registration: May 15, 2015

Contact Address:

College of Engineering, Rangsit University
Muang-Ake, Phaholyothin Rd., Lak-Hok, Muang, Pathumthani, 12000 Thailand
e-mail: ecticon2015@rsu.ac.th **website:** www.ecticon2015.org

