2021 2ⁿᵈ International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics

http://sites.ieee.org/thailand-css/ica-symp-2021

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Call for Papers

ICA-SYMP 2021 (IEEE Conference Record Number 50206) is the second annual international symposium organized by Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Association, and technically co-sponsored by IEEE Thailand Section, Artificial Intelligence Association of Thailand (AIAT) and Thailand Robotics Society (TRS). The conference aims to provide an international platform to present technological advances, launch new ideas and showcase research work in the field of instrumentation, robotics, automation, control, and artificial intelligence.

Area 1: Instrumentation and Measurement
Chair: Charusluk Viphavakit, CU
- Hydraulic and pneumatic systems, MEMS and nano technologies, sensors and measurements

Area 2: Artificial Intelligence
Chair: Kitsuchart Pasupa, KMITL
- Intelligent systems, expert systems, neural networks, machine learning, deep learning

Area 3: Image Processing and Computer Vision
Chair: Somying Thainimit, KU
- Feature extraction, segmentation, pattern recognition, object recognition and tracking, applications

Area 4: Robotics
Chair: Kanjanapan Sukvichai, KU
- Mobile robotics, unmanned vehicles, visual servoing, robotics manipulation, medical and bio-robotics

Area 5: Automation and System Integration
Chair: Amphawan Julsereewong, KMITL
- Intelligent manufacturing systems, system integration, functional safety, networked control systems

Area 6: Control Theory
Chair: Benjamas Panomruttanarug, KMUTT
- Linear control theory, nonlinear control theory, optimal control, robust control, model predictive control, hybrid control

Area 7: Power Control and Energy Systems
Chair: Sanchai Dechanupaprittha, KU
- Control of PWM converters, modeling of power semiconductors, smart grids, micro grids, energy management systems, power systems stability, renewable energy control

Area 8: Cyber-Physical Systems and IoT
Chair: Rardchawadee Silapunt, KMUTT
- Data analytics for IoT, embedded systems, industrial IoT (IIOT), CPS applications, energy management and harvesting for IoT platforms

Area 9: Control Applications
Chair: Witthawas Pongyart, KMUTNB
- Systems biology, traffic control, spacecraft and aircraft control, health and care, others

Important Dates

Deadline for submission of full papers	September 4, 2020
Notification of acceptance	October 16, 2020
Deadline for Submission of final manuscript	November 13, 2020
Deadline for early-bird registration	November 13, 2020
Symposium schedule	January 20-22, 2021

Paper submission

1) Authors are invited to submit original full papers **in English.** We accept two types of paper.

Regular papers: Papers 4 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 areas. Accepted regular papers will be published in the proceedings and will be submitted for inclusion in the IEEE Xplore Digital Library. Acceptance will be based on quality, relevance and originality.

Position papers: Extended abstracts 2-4 pages in conference format. It is provided for authors wishing to present a timely review of research such as case study. Accepted position paper will be published in the proceedings but will NOT be included in the IEEE Xplore Digital Library

2) Papers must be submitted only through the submission system of the conference website.

3) At least one author of each accepted paper **MUST** register and present the paper at the conference in order that the paper is to be included in the program.

For more information about the conference, please contact us by email at **ica.symp2021@gmail.com**

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