# IES

## INTERNATIONAL ELECTRONICS SYMPOSIUM
### SURABAYA · 2020

## The Role of Autonomous and Intelligent Systems for Human Life and Comfort

### September 29-30, 2020

International Electronics Symposium (IES) 2020 is one of the best international conferences organized by Politeknik Elektronika Negeri Surabaya (PENS), Surabaya, Indonesia, and a technical co-sponsored IEEE conference. The 22nd IES 2020 provides a good platform for researchers, scientists and the entire engineering community to meet each other and exchange ideas on electronic and computer-related fields, and their applications including research stimulation, the applications of electronic and information technologies, and the discussion to advance for region-wide cooperation in related disciplines.

## KEYNOTE SPEAKER

**Prof. Jun Miura**
Toyohashi University of Technology – Japan

**Prof. Ali Kara**
(ATILIM University – Turkey)

**Dadet Pramadihanto, Ph.D.**
(Politeknik Elektronika Negeri Surabaya – Indonesia)

### IES-KCIC (International Electronics Symposium on Knowledge Creation and Intelligent Computing)

#### Knowledge Base and Engineering
Information modelling / Knowledge acquisition and accumulation / Knowledge discovery Knowledge management / Information systems and applications / Human-computer interaction and Modelling / Intelligent optimization

#### Computational Intelligence
Learning and adaptation / Perception and learning / Emotion modellin / Cognitive sciences / Probabilistic and reasoning computation / Reinforcement learning / Statistical methods and data mining / Pattern recognition / Artificial intelligence and soft-computing

#### Intelligent Multimedia Systems
Multimedia modelling / Multimedia computing systems and applications / Intelligent multimedia analysis and processing / Web intelligence / Web-based support system / Multimedia information retrievals

#### Applied-Computing Sciences
ICT-based environmental studies and computations / Social-based computing model and analysis / Social media engineering / E-Learning and educational computation / Cross-cultural computation and modelling / Disaster management computing and support systems / Medical computing analysis and applications / Robotics computing model and applications / Intelligent text processing and Computational linguistics / Linguistic knowledge modelling and representation

### IES-ETA (International Electronics Symposium on Engineering Technology and Applications)

#### Power Engineering and Energy Technology
Power Quality and Electromagnetic Compatibility / High Voltage Engineering and Insulations Technology / Power Generation Technology / Power System Dynamic, Stability and Contro / Power System Protection, Reliability and Security / Electric Power Transmissions and Distributions / Power Electronic Converter Topologies, Design and Control / Switch-Mode Power Supplies and UPS / Electric Drives and Electrical Machines / Renewable Energy and Smart Grid Technology / Energy Storage System and Technology

#### Electronics Systems and Electrics Technology
Biomedical Engineering / Microelectronic Circuits and Systems / Measurement and Instrumentations / Nano Technology / Micro-Electro-Mechanical System / Sensor, RFID, and Electronic Design / Material and Device / Vehicular technology

#### Telecommunication Engineering Technology
Electromagnetic Compatibility / Electromagnetic and Radio Propagation / Wireless and Mobile Communications / Telecommunication, Propagation and Networking / Computational Electromagnetics and Electromagnetics Simulation Technology / DSP real-time encoding technology and signal Embedded Systems

#### Robotics Technology and Control Systems
Robotic Vision / Intelligent Robotics / New Mechanism and Mobility / Networked/Ubiquitous Robotics / Disaster Robotics / Humanoid Robot / Service Robotics / Nano/Micro Robotics / Surgery Robot

### ANNOUNCEMENT FROM THE HOST WITH RESPECT TO COVID-19 PANDEMI

Due to Covid-19 has been declared by the World Health Organization (WHO) as a global pandemic situation, it will highly impact to the implementation of annual scientific activities such as international conferences supported by IEEE. Governments around the world have issued restrictions on travel, gatherings, and meetings in an effort to limit and slow the spread of the virus. The health and safety are our first priority and IEEE is supporting these efforts. We request that all potential participants avoid conducting in-person activities in areas impacted by the coronavirus threat and instead maximize the use of our online and virtual alternatives.
Following the advice of local authorities, most IEEE conferences and meetings have already been postponed or replaced with virtual meetings. Therefore, we have decided that the International Electronics Symposium (IES) 2020 will also be held using hybrid mode, namely virtual conference (main) and a pre-recorded video (spare) on the day of implementation. The pre-recorded video will be played when the author fails to join the virtual conference due to lack of the internet connection. It must be submitted to the committee a month before the conference date. For further information, please visit our website https://ies.pens.ac.id/2020/

### IMPORTANT DATE

| | |
|---|---|
| Extended Deadline of Paper Submission | June 19, 2020 |
| Notification of Paper Acceptance | August 5, 2020 |
| Final Manuscript (Camera Ready) | August 24, 2020 |
| Deadline Registration & Payment | August 31, 2020 |
| Main Conference | September 29-30, 2020 |

*All accepted papers will be included in IES 2020 Book Program. All presented papers will be published in IEEE Xplore Digital Library and indexed by Scopus. High-quality papers will be nominated for Best Paper Award.

### REGISTRATION FEE

Domestik author:
- IEEE member: Rp. 1..750.000,-
- non IEEE member: Rp. 2.000.000,-
- IEEE student member: Rp. 1.500.000,-
- non IEEE student member: Rp. 1.750.000,-

International author:
- IEEE member: 175 USD
- non IEEE member: 200 USD
- IEEE student member: 150 USD
- non IEEE student member: 175 USD

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