

IECON 2023

49th Annual Conference of the IEEE Industrial Electronics Society
Marina Bay Sands Expo and Convention Centre, Singapore

October 16-19, 2023



Industrial Electronics Chapter
IEEE Singapore Section



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IECON 2023 is the 49th Annual Conference of the IEEE Industrial Electronics Society (IES), focusing on contemporary industry topics ranging from electronics, controls, manufacturing, to communications and computational intelligence.

IECON is the flagship annual conference of IES and returns to Singapore for the first time after 1988. It aims to create a forum for scientists and practising engineers throughout the world to present the latest research findings and ideas in the areas of Industrial Electronics, and possible contributions toward sustainable development and environment preservation.

Regular sessions within the scope of the following topics, but not limited to:

I. ENERGY

Power Systems and Smart Grids; Electrical Machines and Industrial Drives; Power Electronic Converters; Smart Building Technologies; Renewable Energy and Energy Storage Systems; Transportation Electrification and Automotive Technologies

II. CONTROL, INTELLIGENT SYSTEMS, AND ROBOTICS

Control Systems and Applications; Machine Learning & Signal and Image Processing; Mechatronics and Robotics; Sensors, Actuators and Micro-Nanotechnology; Resilience and Security for Industrial Applications; Smart Manufacturing Technologies; Unmanned Systems.

III. INFORMATION AND COMMUNICATION TECHNOLOGIES

Electronic Systems on Chip and Embedded Systems; Cyber Physical Systems and Internet of Things in Industry; Communications for Industrial and Factory Automation; Industrial Electronics and Education; Cloud Computing, Big Data, Industrial Informatics

Special sessions: Special sessions covers subjects or cross-subjects belonging to the topics of interest, or novel topics related with the ones identified within the topics of interest.

Submission of Papers

The working language of the conference is English. Prospective participants are requested to electronically submit full papers of their work to <https://confcomm.ieee-ies.org/>. Accepted, registered, and presented papers will be IEEE copyrighted and published in the conference proceedings. The proceedings is planned to be submitted for inclusion in IEEE Xplore® Digital Library and therefore indexed by EI Compindex. In order for the accepted paper to be submitted for inclusion into the IEEE Xplore® Digital Library, all of the following requirements must be satisfied: 1. Appropriate publication materials: final paper and transfer of copyright to IEEE must be submitted. 2. At least one full registration has to be paid. 3. The paper must be presented at the conference.

Important Dates:

Deadline for submission of regular papers	April 30, 2023
Deadline for submission of special session papers	May 31, 2023
Notification of acceptance	July 01, 2023
Deadline for submission of camera-ready manuscripts	July 31, 2023
Deadline for author registration	July 31, 2023



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