IECON 2027

Shanghai China 14-17 October

The 53rd Annual Conference of the IEEE Industrial Electronics Society

IEEE | IEEE Industrial Electronics Society | 哈爾濱工業大學 HARBIN INSTITUTE OF TECHNOLOGY | 上海交通大學 SHANGHAI JIAO TONG UNIVERSITY | 自主智能无人系统全国重点实验室 State Key Laboratory of Autonomous Intelligent Unmanned Systems

Call for Papers

Important Dates

Regular Paper Submission Due Date	30 April, 2027
Regular Acceptance Notification for Submissions by Due Date	15 June, 2027
Final Submission and Registration Due Date	15 July, 2027



IECON is the flagship annual conference of the IEEE Industrial Electronics Society (IES). It serves as a premier global forum for scientists, researchers and practicing engineers worldwide to disseminate novel ideas, original research outcomes and works-in-progress across industrial electronics. The conference welcomes contributions advancing sustainable industrial development, carbon-neutral technologies and environment-friendly innovation. IECON 2027 will be held on October 14-17, 2027 in Shanghai, China. All accepted papers will be fully integrated into the technical program regardless of presentation format. The conference objectives are to foster high-level research exchange, accelerate technology transfer, and promote global fellowship among the industrial electronics community. Original research contributions are highly encouraged for submission.

IECON 2027 program comprises workshops, tutorials, special sessions, panel discussions, inspiring keynote addresses, as well as presentations of cutting-edge academic research and real-world industrial applications.

Regular Sessions: The regular sessions are covered but not limited to the following:

Energy

- Power System and Smart Grid
- Power Electronics and Converters
- Renewable Energy and Energy Storage Systems
- Resilient Energy Systems

Sensors & Control

- Autonomous Control Systems
- Control Theory and Applications
- Sensors, Actuators and Micro-Nanotechnology
- Signal and Image Processing

Embodied Intelligence and Robotics

- Manipulation, Locomotion & Autonomy
- Sensing, Planning & Learning
- Robot Mechanisms and Control
- Humanoid, Micro/Nano and Bio-Inspired Robotics in Industry

Industrial Informatics and AI

- Industrial Cyber-Physical Systems and Internet of Things
- Industrial Communication and Factory Automation
- Industrial Informatics, Cloud Computing, Big Data
- Industrial AI Applications and Responsible AI

Cross-disciplinary

- Smart Argriculture, Cities, Building Technologies
- Human Factors in Industry
- Industrial Electronics in Medical and Health applications
- Education, Standards and Other disciplinary Area

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Submission Guidelines

Prospective authors are invited to electronically submit regular papers of their work in English language via the IES ConfComm portal: https://confcomm.ieee-ies.org

The full paper should meet the following requirements: Limitation to 6 full pages, including paper title, authors and affiliations, figures and references (maximum file size 2 MB). Up to 2 additional pages are allowed; each additional page incurs a fee of $150 per page, maximum total length of 8 pages including extra pages. Authors are requested to prepare the manuscripts in the IEEE two-column format template and export to PDF. No other format in the submission and in the final version can be accepted.

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For the accepted paper to be included in IEEE Xplore® Digital Library, all of the following requirements must be satisfied by the final submission deadline: 1) Appropriate publication materials: final paper and transfer of copyright to IEEE must be submitted. 2) At least one full registration should be paid. 3) Papers must be presented at the conference. Accepted, registered, and presented papers will be IEEE copyrighted and published in the conference proceedings.

IECON 2027 Website

Paper Submission Portal











