



IEEE ISIE

Pierre et Marie Curie Campus
Sorbonne University, Paris

June 30 – July 03, 2027

Industrial Electronics at the Crossroads
of Energy and Digital Transitions



<https://isie2027.ieee-ies.org/>

36th IEEE International Symposium on Industrial Electronics (ISIE 2027)



Call for Papers

Industrial electronics is driving two major transformations of our time: the energy transition and the intelligent digital transformation. These evolutions are reshaping industrial systems through smarter, more sustainable, and interconnected technologies. ISIE 2027, the 36th edition of the IEEE Industrial Electronics Society's flagship symposium, will take place in **Paris** from **June 30 to July 03, 2027**, under the theme: *"Industrial Electronics at the Crossroads of Energy and Digital Transitions."* Researchers, engineers, and industry leaders from around the world are invited to contribute to and participate in this international event.



Scientific Scope & Main Thematic Areas

✓ Electrification of Mobility and Transportation

Electric vehicles, aerospace and marine electrification, traction drives, charging infrastructure, e-mobility ecosystems

✓ Power Electronics and Electrical Machines

Converters, wide-bandgap devices, advanced machines, drives, electromagnetic design, thermal and reliability aspects

✓ Renewable Energy, Smart Grids and Energy Storage

Grid integration, microgrids, energy management, batteries and supercapacitors, hydrogen, power quality

✓ Control, Robotics and Motion Systems

Advanced control, robust and adaptive control, robotics, motion control, networked and distributed control

✓ Instrumentation, Sensors, Actuators, and Microsystems

Smart sensing, actuators, MEMS/NEMS, embedded measurement systems, instrumentation and monitoring for industry

✓ Artificial Intelligence and Data-Driven Industry

AI for industrial systems, data-driven control, digital twins, predictive maintenance, responsible and explainable AI

✓ Cyber-Physical Systems, Industrial Communications and Factory Automation

Industry 4.0/5.0, industrial IoT, cloud and edge, wireless industrial networks, industrial agents, building automation

✓ Human-Centered, Resilient and Sustainable Industrial Systems

Human factors, education and skills, resilience and cybersecurity, standards, sustainability and life-cycle assessment



Important dates

- Regular Paper Submission Deadline
December 15, 2026
- Work-in-Progress Submission Deadline
April 1, 2027
- Special Sessions Proposal deadline
November 1, 2026
- Panel Sessions Proposal deadline
February 1, 2027
- Tutorial Sessions Proposal deadline
November 1, 2026
- Early Paper Acceptance Notification
March 15, 2027



Paper Submissions

Paper Submissions are invited across all main topics of ISIE 2027. Authors may submit regular papers presenting original and complete research. Authors may also submit work-in-progress (WIP) papers reporting preliminary results and ongoing work. All submissions will be peer-reviewed, and accepted papers will be published in **IEEE Xplore**, ensuring broad visibility within the international scientific community.



Special Sessions & WIP

In addition to the regular tracks, ISIE 2027 offers several additional submission opportunities. These opportunities are designed to enrich the technical program and encourage interaction within the community.

They include:

- Special sessions that focus on emerging topics and rapidly evolving research areas.
- WIP (Work-In-Progress) papers provide a forum for presenting ongoing research and preliminary results.



Tutorials and Panel sessions

These sessions provide participants with an opportunity to expand their knowledge and engage in lively discussions beyond the standard technical sessions.

- Tutorials provide in-depth introductions to emerging methods, tools, and technologies and are led by recognized experts.
- Panels bring together industrial leaders and academics to discuss current challenges, future trends, and strategic directions in industrial electronics.



Website : <https://isie2027.ieee-ies.org/>

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