

CWIEME BERLIN

CELEBRATING
30
YEARS

Transformers | Motors | Generators

19-21 May 2026

● A Hyve Event



IES Industry



The IEEE Industrial Electronics Society (IES)

Juan José Rodríguez-Andina, IES President

IEEE:

The world's largest technical professional organization (ca. 500,000 members)

Mission:

To foster technological innovation and excellence for the benefit of humanity

Vision:

Be universally recognized for the contributions of technology and of technical professionals in improving global conditions

Our Vision

IES enables members' careers by building communities worldwide and advances global prosperity through technological innovation and dissemination of knowledge.

IES FOIs:

- Electrical Machines and Drives
- Power Electronics
- Renewable Energy
- Energy Storage
- Smart Grid
- Cybersecurity
- Robotics and Mechatronics
- Healthcare
- Digital Twins
- AI in Industrial Processes
- Industry 5.0

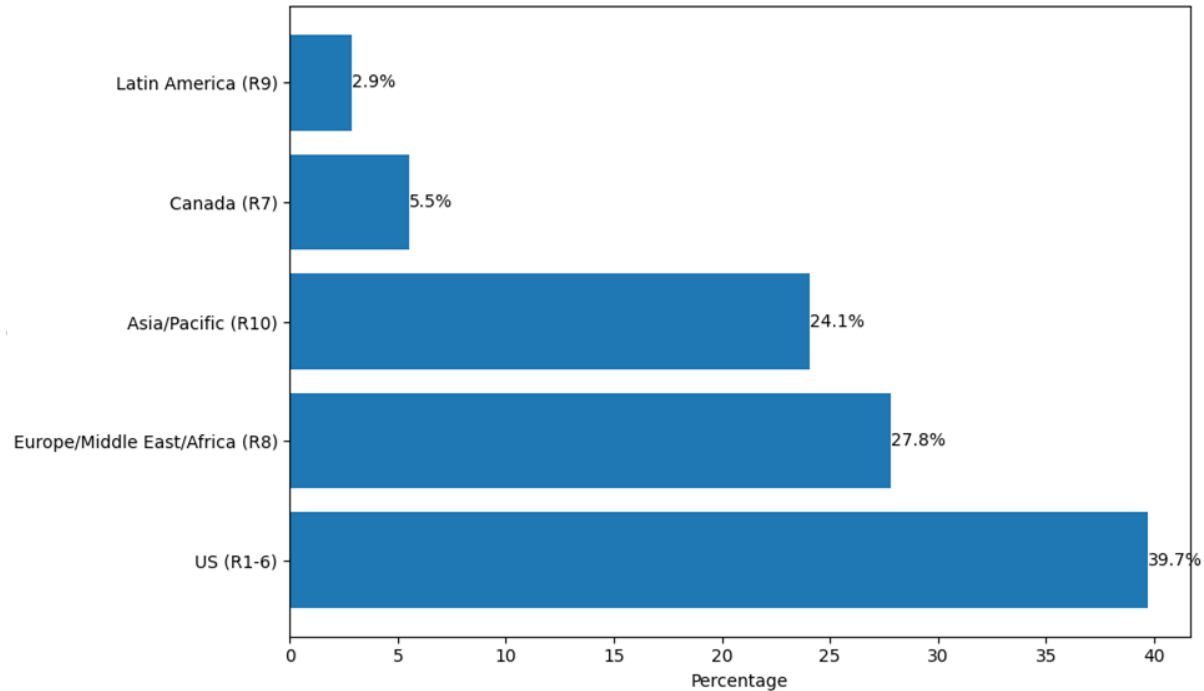
 One of the oldest, most international, and most successful Societies in IEEE

 Top-ranked journals and conferences

 Wide variety in technical topics

 ca. 15k members

IES Industry Membership (Feb 2026)



Category Percentage

Academia 62.08 %

Industry **20.08 %**

Unknown **10.56 %**

Government **3.92 %**

Other 2.19 %

Retired 1.17 %



IES Industry Members

- ABB
- AMD
- Arm
- Analog Devices
- Ansys
- BAE Systems
- BMW Group
- Boeing
- Caterpillar Inc.
- Collins Aerospace
- Cummins Inc
- Daikin Applied Americas
- Danfoss
- Dell Technologies
- Delta Electronics
- Eaton
- Emerson
- FANUC
- Fisher
- Ford Motor Company
- GE Aerospace
- General Electric
- General Motors
- Grundfos
- Hitachi
- Honeywell
- Huawei
- Hyundai
- Infineon
- Intel
- Lockheed Martin
- Microsoft
- Milwaukee Electric Tool
- Mitsubishi Electric
- Myway Plus
- Nokia
- NTT
- Nvidia
- NXP
- Opal-RT
- Oracle
- Panasonic
- Plexim
- Rockwell Automation
- Samsung Electronics
- SAP
- Schneider Electric
- Siemens
- Stellantis
- Toshiba
- Toyota
- Typhoon HIL
- Volvo
- Xiaomi
- ...

Engage with IES



Industry Cutting-Edge Research



Workforce Upskilling



Recruiting (SYP 1/3 of IES Members)



Sponsorship, Exhibitions, Competitions



Networking Locally & Globally



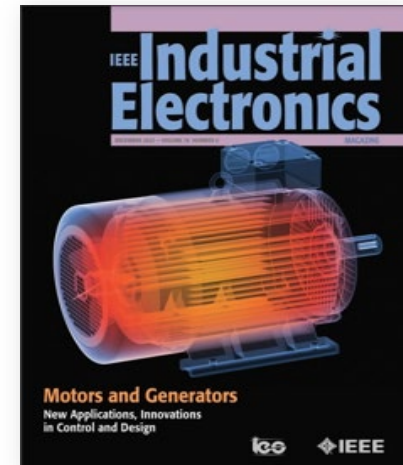
Speakers at IES Events, IEM, brand identity



Standardization



Humanitarian Technology, CSR





Example: Industry Events

- Industry Forum
 - ICIT 2026 (Monterrey, Mexico, 4-6 March 2026)
 - ICPS 2026 (Perth, Australia, 11-14 May 2026)
 - ISIE 2026 (Nagoya, Japan, 23-26 June 2026)
 - INDIN 2026 (Melbourne, Australia, 27-29 July 2026)
 - IRAI 2026 (Melbourne, Australia, 3-5 September 2026)
 - ETFA 2026 (Vasteras, Sweden, 8-11 September 2026)
 - IECON 2026 (Doha, Qatar, 18-21 October 2026)
- IEEE IES East Africa Industrial Innovation Summit 2026, Nairobi, Kenya, 28–30 May 2026
- IEEE International Conference on AI and Security for Industrial IoT Systems (AI-SIIS 2026), Hyderabad, India, 24-26 Sep 2026

Example: Industry Forum Formats

	Presentations with Q&A	Industry Panel	Presentations & Panel	Fireside Chat
Format	Structured presentations delivered by invited experts	Moderated discussion among multiple panelists, with emphasis on dialogue	Concise presentations followed by integrative panel discussion	Informal, conversational exchange between a moderator and guest speaker
Structure and Flow	Fixed agenda with predefined speaking slots and limited interaction	Guided by moderator with flexible, adaptive discussion	Semi-structured: short position statement presentations (2-3 slides) followed by discussion	Unstructured and fluid; led by moderator prompts
Objective	Dissemination of research or technical knowledge	Exchange of viewpoints, industry trends, and real-world insights	Combination of expert input and interactive reflection	Exploration of personal perspectives, experiences, and strategic viewpoints
Audience Engagement	Limited to post-presentation Q&A	High engagement encouraged throughout discussion	Audience interaction post-talk or during panel	Optional Q&A; primarily observer-driven engagement
Style	Formal, rehearsed, and content-focused	Spontaneous, conversational, and dynamic	Balance of structured delivery and open discussion	Candid / informal
Duration	60–90 minutes	45–60 minutes	Approximately 60 minutes	30–45 minutes
Composition	2–4 speakers delivering 15–20 minute talks, followed by brief Q&A	3–6 panelists giving 2–3 minute introductions (optional); main focus on moderated dialogue	3–5 brief talks (e.g. 5–10 minutes), then moderated discussion or Q&A	1 guest and 1 moderator; open conversation

IES Technical Committees

- Engage on Technical Level
- Discuss and Stay Informed
- Co-organize Technical Events
- Standards: Develop new IEEE Standards for your Industry

info at <https://www.ieee-ies.org/techcoms>

1. Building Automation, Control, and Management
2. Cloud and Wireless Systems for Industrial Applications
3. Control, Robotics, and Mechatronics
4. Data-Driven Control and Monitoring
5. Education in Engineering and Industrial Technologies
6. Electrical Machines
7. Electronic Systems on Chip
8. Energy Storage
9. Factory Automation
10. Human Factors
11. Industrial Agents
12. Industrial Cyber-Physical Systems
13. Industrial Informatics
14. MEMS and Nanotechnologies
15. Motion Control
16. Network-based Control Systems and Applications
17. Power Electronics (PETC)
18. Renewable Energy Systems
19. Resilience and Security for Industrial Applications
20. Sensors and Actuators
21. Smart Grids
- 22. Standards**
23. Transportation Electrification
24. Responsible Artificial Intelligence



Standards

1. IEEE P21451-002 PAR. Recommended Practice for Low Power Smart Transducers Applications
2. IEEE P2668 PAR. Standard for Maturity Index of Internet-of-things: Evaluation, Grading and Ranking
3. IEEE P1451.1.6 PAR. Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Message Queue Telemetry Transport (MQTT) for Networked Device Communication
4. IEEE P2805.1 PAR. Self-Management Protocols for Edge Computing Node
5. IEEE P2805.2 PAR. Data acquisition, Filtering and buffering Protocols for Edge Computing Node
6. IEEE P2805.3 PAR. Cloud-Edge Collaboration Protocols for Machine Learning
7. IEEE P2023 PAR. Standard for Digital Transformation Architecture and Framework
8. IEEE P1451-5-5 PAR. Standard for a Smart Transducer Interface for Sensors and Actuator—Wireless Communication Protocols and Transducer Electronic Data Sheet Formats – LoRa
9. IEEE P1451-5-6 PAR. Standard for a Smart Transducer Interface for Sensors and Actuator—Wireless Communication Protocols and Transducer Electronic Data Sheet Formats – SigFox)
10. IEEE P1451-5-10 PAR. Standard for a Smart Transducer Interface for Sensors and Actuator—Wireless Communication Protocols and Transducer Electronic Data Sheet Formats – NB IoT)
11. IEEE P2992 PAR. Standard for -Data Expression, Exchange, and Processing in Smart Agriculture
12. IEEE P3137 PAR. Standard for Automotive Electronics Product Inspection Equipment
13. IEEE P3138 PAR. Standard for General Requirements of Chips Visual Inspection in Surface Mount Industry

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see details <https://standards-tc.ieee-ies.org>

Thank you!

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www.ieee-ies.org/industry

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www.ieee-ies.org/membership



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