

# IEEE ISIE 2025

<https://iee-isie-2025.org/>

June 20-23, 2025 | Toronto, Canada

Call For Tutorials

Tutorial Proposals Submission Due: March 15<sup>th</sup> 2025

## About ISIE

The IEEE ISIE 2025 is the 34<sup>th</sup> International Symposium on Industrial Electronics (ISIE), focusing on frontier technologies for industries, applications of electronics, controls, communications, instrumentation and computational intelligence. ISIE is the flagship annual conference Symposium of the Industrial Electronics Society (IES). The objectives of the conference are to provide high quality research and professional interactions for the advancement of science and technology. The symposium will feature expert speakers and researchers sharing breakthrough research and insights in industrial electronics.

## Tutorials

The organizing committee of IEEE-ISIE 2025, to be held in Toronto, Canada, in June 2025, invites proposals for tutorials on technical areas of interest to the Industrial Electronics Society (IES). These tutorials offered by field experts, should cover cutting-edge technical topics of significant value to academia, practicing engineers, and researchers, with direct relevance to industry needs. Tutorials supported by practical implementations are particularly encouraged. Proposers should be leading experts in their respective fields of research and aim to provide an engaging, interactive platform that fosters active audience participation. Suitable tutorial topics may range from emerging research areas to well-established cutting-edge techniques with practical and industrial significance. While the IEEE-ISIE 2025 organizing committee particularly encourages tutorial proposals aligned with IES tracks and conference themes, proposals on other emerging topics relevant to industrial electronics are also welcome. One complimentary registration per accepted tutorial and the tutorial duration is 90 minutes.

## General Chairs

**Sheldon Williamson**

*Ontario Tech University, Canada*

**Milos Manic**

*Virginia Commonwealth University, USA*

**Kamal Al-Haddad**

*École de technologie supérieure, Canada*

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*Nagoya Institute of Technology, Japan*

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*Harbin Institute of Technology, China*

## Tutorial Chairs

**Yousef Ibrahim**

*Federation University of Australia,  
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**Afshin Izadian**

*Purdue University, USA*

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*Eastern Mediterranean University,  
Turkey*

**Huazhen Fang**

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**Deepak Ronanki**

*Indian Institute of Technology Madras,  
India*

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**ISIE tutorial proposals:** should include the below information.

1. Title and subject of the tutorial
2. Presenter(s) (Title, name, affiliation)
3. Outline (The outline shall provide a concise description of the covered topics and subtopics, 600 words in max)
4. Motivation and Focus (Briefly explain why this topic is important for the industrial IES community and outline the learning outcomes; not more than 600 words)
5. Brief Bio of the Tutorial Organizers (Photo, name, email, and short bio)
6. Presentation duration- not more than 90 minutes

**Potential topics include but not limited to the following:**

Energy: Power Systems and the Smart Grid, Renewable Energy Systems, Power Electronics & Energy Conversion, Grid Resiliency, Electrical Machines and Drives, Electric Energy Storage Systems, Resilient Control for Energy Systems, and Transportation Electrification.

Control and Robotics: Control Systems, Motion Control, Robotics and Mechatronics, Instrumentation, Sensors, Actuators, Systems Integration and Nanotechnologies, Signal and Image Processing and Computational Intelligence.

Information and Communication Technologies (ICT) and interdisciplinary areas: Electronics Systems on Chip and Embedded Systems, Intelligent factory automation, ICT and AI enabling smart cities, buildings, Energy efficiency and sustainability, ICT enablers of autonomy and smart transport: Transport electrification, Smart Grids, Renewable, Human-centric ICT: Medicine, Assistive Robotics, Industrial Cyber-physical Systems, Deep Learning & Machine learning applications, Microgrid Cybersecurity.

**Proposal Submission:**

Please submit the proposals to the e-mail address [tutorials.isie2025@gmail.com](mailto:tutorials.isie2025@gmail.com). Proposals will be accepted until March 15, 2025. We encourage early proposal submissions.