IEEE Advancing Technology for Humanity

IEEE Robotics & Automation Society CASE 2025

August 18 – 21, 2025
Los Angeles
California, USA

21st IEEE International Conference on Automation Science and Engineering

Call for Papers

The 2025 IEEE 20th International Conference on Automation Science and Engineering (CASE 2025) is one of the three flagship conferences of the IEEE Robotics & Automation Society and provides a primary forum for cross-industry multidisciplinary research in automation.

CASE 2025 will be held on August 18 – August 21, 2025, in Los Angelos, California, USA. The conference will focus on **Secured and Trustworthy Automation**: Automation systems such as collaborative robotics, self-operating systems and vehicles, smart manufacturing, healthcare, farming, transportation & logistics, and smart cities, increasingly rely on secured and trustworthy automation. Research is needed to overcome vulnerability and bias due to imperfect system design, data collection, machine learning, or control.

The conference will cover a wide range of topics on Systems, Automation, Autonomous Systems, Discrete Event Systems, Smart Cities, Robotics, Building Automation, Automation in Meso, Micro and Nano-scale, Big Data, Machine Learning, Information and Communication Technologies, etc.

CONFERENCE WEBSITE: https://2025.ieeecase.org/

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Key dates and deadlines

February 8, 2025
- Special session proposal submission

March 1, 2025
- Regular and special session full paper submission

April 1, 2025
- Workshop/tutorial proposal submission Industry paper and work-in-progress paper submission

April 30, 2025
- RA-L, T-RO, RAM, T-ASE presentation-only submission

May 17, 2025
- Paper acceptance notification

June 14, 2025
- Final paper submission Early registration

July 15, 2025
- Final program

August 18, 2025
- Conference starts

Contributing

IEEE CASE 2025 invites special session and workshop/tutorial proposals, regular papers, industry papers and presentation-only papers related to the conference topics, which include but are not limited to:
- Foundation of Automation
- Human-centered automation
- Automation in life science and healthcare
- Sustainability and green automation
- Automation in agriculture and horticulture
- Automation in meso, micro and nano-scale
- Smart building and construction
- Knowledge-based automation
- Manufacturing automation
- Cloud-based automation
- Big data, data mining and machine learning
- Privacy and security in automation