



2019 IEEE 15th International Conference on Automation Science and Engineering (IEEE CASE 2019)

August 22 – 26, 2019, Vancouver, BC, Canada

<http://case2019.hust.edu.cn/> <http://case2019.org/>

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Scope of Conference

IEEE International Conference on Automation Science and Engineering (CASE) is the flagship automation conference of the IEEE Robotics and Automation Society and constitutes the primary forum for cross-industry and multidisciplinary research in automation. Its goal is to provide a broad coverage and dissemination of foundational research in automation among researchers, academics, and practitioners. IEEE CASE 2019 will be held in Vancouver, BC, Canada, on August 22-26, 2019. The theme of the conference is **Smart Automation**.

Submission of Special Session / Workshop Proposals and Regular Papers

IEEE CASE 2019 invites special session proposals, workshop proposals, regular papers, work-in-progress and industry papers related to the topics of the conference, which include but are not limited to:

- Adaptive automation systems
- Agent-based collaborative automation systems
- Automated fault detection, diagnostics, and prognostics
- Automation in life science
- Autonomous systems
- Big data, data mining, and machine learning
- Cloud-based automation
- Cognitive Automation
- Cyber physical production systems and industry 4.0
- Cybersecurity in automation systems
- Human-in-the-loop, human-machine interactions, human-robot / robot-robot collaboration
- Micro- and nano-scale automation technologies and applications
- Modeling, simulation, and optimization of automation systems
- Networked control systems
- Power and energy system automation
- Sensor-fusion for intelligent automation systems
- Smart factories, smart logistics and supply chains
- Smart products with embedded intelligence
- Smart automation in construction and manufacturing
- Smart home/building automation
- Smart and connected healthcare automation
- Standardization in smart manufacturing/home/building/healthcare etc.
- Sustainability and green automation

Submission Web Site: <http://ras.papercept.net/conferences/scripts/start.pl>

Contact

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Important Dates

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|---------------------|---|
| February 15, 2019: | RA-L paper submission |
| February 15, 2019: | Special session proposal submission |
| March 1, 2019: | Regular & special session paper submission |
| April 1, 2019: | Workshop proposal, industry paper & poster submission |
| May 15, 2019: | Paper acceptance notification |
| June 15, 2019: | Final paper submission |
| June 15, 2019: | Author registration |
| August 22-26, 2019: | Conference |