2021 IEEE 17th International Conference on Automation Science and Engineering (IEEE CASE 2021)

August 23 – 27, 2021, Lyon, France

https://case2021.sciencesconf.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 2021 will be held in Lyon, France, on August 23-27, 2021. The theme of the conference is **Data-Driven Automation.**

Submission of Special Session / Workshop Proposals and Regular Papers
IEEE CASE 2021 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
- Cloud-based automation
- Cognitive Automation
- Cyber physical production systems and industry 4.0
- Cybersecurity in automation systems
- Data science and data-driven automation
- Human-in-the-loop, human-machine interactions, human-robot / robot-robot collaboration
- Machine learning and artificial intelligence
- 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

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Important Dates
February 15, 2021: RA-L paper submission due
February 15, 2021: Special session proposal submission due
March 1, 2021: Regular & special session full paper submission due
April 1, 2021: Workshop proposal, work in progress / industry paper / presentation only submission due
May 15, 2021: Paper acceptance notification
June 15, 2021: Final paper submission due
June 15, 2021: Author registration due
August 23-27, 2021: Conference