

Special session proposal for 2021 IEEE 17th International Conference on Automation Science and Engineering

“Smart automation in manufacturing, logistics, or supply chains”

CASE2021, August 23-27, 2021, Lyon, France

<https://case2021.sciencesconf.org/>

Chairs:

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Motivations:

New material development and increasing product customization greatly influence the processes in manufacturing, logistics, or supply chains. Traditional production, transportation, and distribution systems are no longer appropriate nowadays. On the one hand, the modern industry must consider economic, social, and environmental issues together in production, transportation, and distribution for sustainable development in the next decades. On the other hand, efficiently predicting and handling uncertainty is also an important issue. Therefore, designing smart automated production lines and intelligent supply chains are essential. Especially, developing innovative techniques and approaches that may involve Industrial Engineering, Operations Research, Management Science, Computer Science, and Data Science for managing these systems are new challenges. This session invites researchers and practitioners to share their new research results and experiences on smart automation.

Topics:

Any expert, scholar or engineer who is interested in this session can contribute related research papers, including but not limited to the following topics:

- *New concepts of smart automation*
- *Automated production lines*
- *Automated transportation systems*
- *Automated distribution systems*
- *Energy-oriented or green-oriented automation systems*
- *Mixed human-machine systems / Semi-automation systems*
- *Automation systems under uncertainties*
- *Automation systems with multi-objectives*
- *Etc.*

Submission:

- *March 15, 2021: Regular & special session paper submission due*
- *April 15, 2021: Workshop proposal, industry paper submission due*
- *May 29, 2021: Paper acceptance notification*
- *June 29, 2021: Final paper submission due*
- *Please see for information on <https://case2021.sciencesconf.org/resource/page/id/11>*