



Invited Session:

Artificial Intelligence and Data Science for Smart decision making in Manufacturing

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The last decades have witnessed the rapid growth of advanced technologies such as the Industrial Internet of Things (IIoT), Artificial Intelligence (AI), Data Science (DS), and their application that adds intelligence into the manufacturing process to drive continuous improvement, knowledge transfer, and data-based decision making, leading to smart manufacturing (SM). A huge volume of data collected from the manufacturing process can feed real-time analytic solutions provided by AI, DS, and Decision Support Systems(DSS), which can lead to optimal industrial operations. The special session aims at collecting papers on DSS based on new AI and DS techniques for SM with applications including predicting, maintaining, monitoring, and optimizing the production process, cybersecurity, etc. This special section will bring together researchers and practitioners to discuss and explore the most promising AI and DS applications for DSS in SM.

Submission

For author guidelines, please refer to www.ifac-control.org. All papers must be submitted electronically using Symposium Manuscript Management System (CMMS). All papers must be prepared in a two-column format in accordance with the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it online by **January 25, 2022**. Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as an invited session paper. Submission as an invited paper requires the invited session code **6pk45**. Several international journals are associated with the MIM 2022 for the publication of special issues.