



Invited Session:

Resilience of Cyber-Physical Production Systems in industry 4.0: Issues, modelling, implementation, and evaluation

Organized by:

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Cyber-Physical Production Systems (CPPS) are now the trend towards which production is moving and especially under industry 4.0 context. Considering the complexity and the uncertainty characterizing their operational environments, resilience becomes a key requirement that should be considered in addition to the traditional performance and quality of service criteria (such as flexibility, responsiveness, reliability, etc.) used in the design, management, and operation of these systems. Therefore, this session aims to highlight the research on CPPS resilience. Its goal is to carry out a mapping of the works related to resilience and its application in different domains and scientific disciplines. The fourth industrial revolution promises enhanced connection between smart systems and people and becomes thus the appropriate context to make systems more resilient. The challenges of resilience in CPPs have also captured the interest of the scientific community. Similarly, this session will serve as a forum emerging interdisciplinary research relevant to resilience and performance improvement of CPPs within the Industry 4.0 context.

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 **6ub2g**. Several international journals are associated with the MIM 2022 for the publication of special issues.