

Proposal for an invited session on “Management 4.0 in Logistics and Supply Chain Management” for IFAC MIM 2019

Session Chair

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Industry 4.0 as a production strategy for a high-wage country with cyberphysical systems as a technical basis has the potential to change the way production and logistics is organized and planned. As a result, two important key aspects of Industry 4.0 are the transformation of business process and the development of new business models according to company strategy. However, the management as an integrated cross-sectional function is not operationalized in all its tasks to support the digital transformation process. Consequently, a new Management 4.0 is required, anticipating new ways of thinking and supporting a decentralized management for self-control and self-organization of logistics.

The session will explore new methods, tools and models to support the digital transformation of Logistics and Supply Chain Management in all management tasks – in a holistic view in terms of socio-technical system understanding. Interdisciplinary approaches are especially encouraged.

The session chair invites researchers, scholars and decision makers from academia, industry, and government to contribute theoretical and applied research papers in areas including but not limited to the following topics:

1. Understanding digital Transformation: Theory and Practice
2. Platform economy and new business models
3. Digitalized hybrid value-added processes
4. Concepts for taking people along in the process of digital Transformation
5. Holistic transformation models concerning technology, man, organisation and information
6. Analysis of innovative approaches for monitoring business processes and identifying the need for change
7. Industry 4.0 Business-Case Analysis

Submission

Authors interested in submitting their research, refer to www.ifac.control.org. All papers should be two column format as per IFAC manuscript style. The full length draft paper must be submitted by December 15, 2018. All submitted papers will be peer reviewed by IPC members. The corresponding author submits the paper online as an invited paper session with code kbdiA5m1vG.

Important dates:

Deadline for submission December 15, 2018

Notification of acceptance/rejection February 20, 2019

Deadline for final submission March 15, 2019