

**Invited Session on “Digital Technology, Supply Chain Risks and Uncertainty”
for IFAC MIM 2019**

Invited session identification code 723x7
IFAC MIM 2019, August 28-30, 2019, Berlin, Germany

<https://ifac.papercept.net/>

Session Chairs:

- Prof. Dr. Aseem Kinra, Copenhagen Business School, DENMARK
- Prof. Dr. Dmitry Ivanov, Berlin School of Economics and Law, GERMANY
- Prof. Dr. Ajay Das, Baruch College – CUNY, USA

The purpose of this Invited Session is to investigate the interplay between digitalization, supply chain uncertainty and supply chain resilience. The IS will focus on the impact of new digital technologies such as Industry 4.0 on supply chain and logistics process control, and the associated effects on supply chain complexity and risks. The IS scope synthesizes research from two distinct areas, i.e., the impact of digitalization on logistics, and the impact of supply chain management on risk control. As such, the topics of this session connect business, information, engineering and quantitative analysis perspectives on digitalization to control and the supply chain risks issues. This session aims to attract quantitative and qualitative studies seeking to research the relationships between digitalization and the design of robust and resilient supply chains. This session will also be of interest to research that brings understanding to the development of supply chain analytics through combined applications of different digital technologies and quantitative methods.

Session topics:

The session chairs invite researchers 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:

Planning performance under uncertainty, Supply chain disruptions, Ripple Effect in Supply Chains, Systems Dynamics and Control, Supply chain risk analytics; Industry 4.0; Creating flexibility and adaptability in the supply chain, logistics visibility and monitoring process execution in the supply chain, Quantitative analysis techniques for logistics control, robustness and resilience; RFID and event management systems, Big Data analytics (including text analytics), Blockchain applications to logistics systems, Track & Trace systems applications to supply chain risk management.

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 December 15, 2018. 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 723x7**. Several international journals are associated with the MIM 2019 for publication of special issues.

Important dates:

December 15, 2018	Deadline for the submission
February 20, 2019	Notification of acceptance/rejection
March 15, 2019	Deadline for the final submission