

**Invited Session on “Blockchain in the Operations and Supply Chain Management”
for IFAC MIM 2019**

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

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

Session Chairs:

- *Prof. Dr. Samuel Fosso Wamba, Toulouse Business School, FRANCE*
- *Prof. Dr. Maciel M. Queiroz, University of São Paulo, BRAZIL*

The digital age has given rise to disruptions in practically all business models, especially with blockchain, a highly disruptive cutting-edge technology. One of the key characteristics of the blockchain is that it is underpinned by a decentralized model, with no need for a central intermediary to validate transactions. Additionally, the transactions use cryptographic techniques that cannot impede them from being modified latter on. As a result, blockchain is known as a tamper-proof technology that has been remodeling traditional business models. The operations and supply chain management (OSCM) field is among the area that are experimenting unprecedented changes with the integration of blockchain.

The blockchain technologies promise to disrupt the traditional models, mainly improving the operations and enhancing product safety, supply chain visibility, transparency, traceability of operations, cooperation, and trust, among others. Moreover, with smart contracts, blockchain is expected to significantly reduce OSCM cost transactions. The blockchain integration with OSCM is still nascent, and the extant literature on this technology is scarce. Currently, the literature on the integration of blockchain into operations and supply chains, including empirical studies, is still in its infancy.

The Invited Session aims to unlock and shed light on blockchain applications in OSCM, while investigating and reporting the value generated by blockchain in this area. Therefore, we are interested in empirical papers that bring strong managerial and theoretical contributions, discuss OSCM performance, relationships, and the competitive advantage supported by blockchain. Research methodology should comprise mainly surveys, case studies, and mixed-method research.

Session topics:

The session’s chairs invite scholars, researchers, and practitioners from academia, industries, and governments to contribute by sending theoretically and practically sound research papers in areas including but not limited to the following topics:

- Blockchain adoption barriers and challenges in OSCM in developed and emerging economies;
- Effects and benefits of blockchain continuance in OSCM;
- Blockchain and diffusion of innovation: barriers and best practices;
- Blockchain and the integration with IoT, BDA, etc.;
- Blockchain and OSCM capabilities;
- Blockchain and SCM traceability/transparency from the improved B2B and B2C perspectives;
- Blockchain and the effect of smart contracts on OSCM costs transactions;
- Blockchain and counterfeiting in OSCM.

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 xxxxx**. 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