

**Invited Session on “Blockchain in the Operations and Supply Chain Management”
for IFAC MIM 2022**

Invited session identification code xxxxx
IFAC MIM 2022, June 22-24, 2022, Nantes, France

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

Session Chairs:

- Prof. Dr. Samuel Fosso Wamba, Toulouse Business School, FRANCE
- Prof. Dr. Maciel M. Queiroz, Paulista University and Mackenzie Presbyterian University, BRAZIL
- Dr. Yingli Wang, Cardiff Business School, UK

With the emergence of the digital age, firms and supply chains are experimenting with opportunities and challenges to reshape their business models. With blockchain, a highly disruptive cutting-edge technology based on decentralized models, the efficiency of the operations and the transparency and security of the transactions can be leveraged significantly. Blockchain transactions use cryptographic tools that cannot permit modification. Because of this, blockchain is known as a tamper-proof technology. In addition, the operations and supply chain management (OSCM) fields are facing unprecedented environmental challenges (i.e., COVID-19, Brexit, financial crisis, etc.), which are affecting the flow of production and distribution.

In this regard, blockchain technologies promise to remodel the traditional operations models, bringing more agility, safety, visibility, transparency, traceability, cooperation, trust, among others. Also, with smart contracts, is expected significant reductions on cost transactions of the operations into the OSCM. Although the recent progress made by the literature exploring blockchain and OSCM in an integrated approach, empirical studies are still in their infancy. Besides, the interplay between blockchain, OSCM, and environmental dynamism is scarce and requires substantial attention.

The Invited Session aims to unlock and shed light on the blockchain applications in OSCM and investigates the value generated by the integration between blockchain and OSCM to face environmental challenges. Thus, we are interested in empirical papers that bring strong managerial and theoretical contributions, as also discussions about the blockchain applied in OSCM to create/improve performance and how this integration contributes to the business value of the firms and supply chains in the age of the severe disruptions. The methodologies comprise mainly surveys, case studies, and mixed-method research.

Session topics:

The session chairs invite scholars, researchers, and practitioners from academia, industry, and government to contribute theoretically and applied research papers in areas including but not limited to the following topics: How blockchain can improve efficiency, flexibility, agility, and performance of the OSCM? Which are the blockchain capabilities required to add value to OSCM? How can blockchain contribute to facing the prolonged environmental crisis that disrupts the OSCM? How can blockchain support OSCM resilience? Which are the critical success factors of blockchain in OSCM?

Submission

For author guidelines, please refer to <https://ifac.papercept.net/conferences/scripts/start.pl>. 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 a full-length draft paper and submit it online by December 25, 2021. 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 2022 for the publication of special issues.

Important dates:

First submissions

Deadline December 25, 2021

Final submissions

Deadline March 15, 2022