



PRO-VE 2021

Smart and Sustainable Collaborative Networks 4.0

22nd IFIP Working Conference on Virtual Enterprises

2021, 22 -24th November

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PRO-VE 2021 Special Session

The Role of Blockchain in Smart Collaborative Networks

Scope

The digital age has given rise to disruptions in practically all business models, as well as for collaborative networks perspective, especially by employing blockchain technology, which is considered disruptive and cutting-edge technology. One of the blockchain's key characteristics is related to a decentralized model that a central intermediary is no more needed to validate the transactions. Additionally, the transactions use cryptographic techniques that cannot permit its modification. Consequently, blockchain is known as a tamper-proof technology that is already remodeling the organization's traditional business models and collaborative networks.

In that regard, blockchain technologies promise to disrupt traditional business models, comprising all the operations journey, by enabling and improving traceability, supply chain visibility, transparency, information sharing, accountability, cooperation, trust, transaction costs minimization, etc. The blockchain integration with the smart collaborative networks is still developing, and the extant literature on this interplay is scarce. This Special Session aims to unlock and shed light on the blockchain applications in smart collaborative networks. Thus, we are interested in empirical papers that bring substantial managerial and theoretical contributions, considering performance, the value created, and competitive advantage supported by blockchain. The methodologies comprise mainly empirical approaches (surveys, case studies, and mixed-methods).

Session Organizers

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Topics/ Keywords

- Blockchain adoption enablers and barriers in smart networks
- The role of blockchain as a trigger for smart networks performance
- Benefits and challenges of collaborative networks enabled by blockchain
- Critical success factors of blockchain implementation on smart networks

Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

Short abstracts submission (100-150 words): March 15th, 2021

Full papers submission: April 16th, 2021

Acceptance Notice: May 31st, 2021

Camera Ready Submission: June, 20st, 2021

Acceptance of papers is based on the **full paper** (up to **8** pages). Each article will be evaluated by three members of the International Program Committee.

When submitting on the web site, you have to indicate the name of the special session.

Submission procedure available on www.pro-ve.org, with a copy by email to the special session's chairs.