



Blockchains and their ecosystem are growing at a high pace. Starting from Bitcoin, there exist by now numerous blockchain approaches and applications, with new ones appearing every month. Although many of these innovations reside in cryptographic research and developments, at first blockchains are distributed systems. The underlying infrastructure is blindly leveraged by blockchains, whereas this arises serious concerns in terms of scalability, quality-of-service, security, and fault tolerance. Indeed, monitoring and configuring such a distributed system without or with a loosely control is naturally difficult. Also, a full understanding and prediction of expected performance before a real deployment at large scale is vital from a technical and business operations perspective.

Furthermore, a blockchain also serves as a potential candidate to ease network and service management. Indeed, many services over the Internet rely on pre-established trust among entities, which is hard to maintain at a large scale and which is, thus, the sources of many malfunctioning or targets of attacks. Among them are naming services, distributed cloud management, resource sharing, PKI management, or distributed policy management and accountability within a softwarized network architecture.

Topics of interest: Man2Block 2019 is a dedicated venue for bringing together students, researchers, and practitioners from academia and industry, who share common interests in the management and the use of blockchains and smart contracts in networks, systems, service operations, and management. Theoretical approaches, practical experimentations, and papers highlighting future trends and challenges are welcomed.

Authors are invited to submit original contributions that fall into the following list of topics of interest (not exhaustive):

- Blockchain infrastructure management
- Security of blockchains
- Monitoring and configuration of blockchains
- Blockchains anomaly detection
- Resource provisioning for blockchains
- Blockchain QoS and QoE
- Blockchain large-scale experimentation
- Smart contracts and their management
- Blockchain auditing
- Blockchain threat assessment
- Privacy and anonymity in blockchains
- PKI for blockchains
- Blockchain simulation and evaluation methodologies
- Blockchain analytics
- Blockchains attack design and mitigation
- Blockchain architectures

Paper submission: December 15, 2018

Notification to authors: January 25, 2019

Camera ready: February 8, 2019

Workshop date: April 12, 2019

Submission Instructions: Authors are invited to submit original, unpublished works for publication in the IEEE IM 2019 proceedings and for presentation in the workshop. Papers under review elsewhere must not be submitted to the workshop. Submissions must be in IEEE 2-column style and have a maximum length of 6 pages (full paper) or 4 pages (short paper). The accepted papers will be submitted for publication in the IEEE Xplore Digital Library. Papers will be withdrawn from IEEE Xplore in case the authors do not present their paper at the workshop.

Submissions must be made in the PDF format via: <https://submissoes.sbc.org.br/home.cgi?c=3193>

Workshop co-chairs:

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