

The 4th International Workshop on Blockchain and Smart Contracts

In conjunction with [QRS 2020](#) - The 20th IEEE International Conference on Software Quality, Reliability, and Security in Macau, China, December 11-14, 2020

Introduction

A Blockchain is a distributed ledger for recording transactions, maintained by many nodes without central authority through a distributed cryptographic protocol. Smart contracts on top of a blockchain render transactions traceable, transparent, and irreversible. It is expected that Blockchain and smart contracts will play an important role in emerging fields such as Internet of Things, Cyber Physical Systems, social networking, crowdsourcing and next generation wireless communications. On the other hand, their advances should be further evolved in terms of scalability, privacy, efficiency, flexibility and high dependability.

The International Workshop on Blockchain and Smart Contracts (IWBS) at QRS intends to provide a high-profile, leading-edge forum for researchers, engineers, and practitioners to present latest advances and innovations in key theories, infrastructure, schemes, and significant applications for the Blockchain software, as well as to identify emerging research topics and define the future.

Topic of Interest

The Workshop welcomes technical papers technical papers which are related to (but not limited to) the following topics:

- Theoretical Study on Blockchain and Smart contacts
- Blockchain consensus protocols
- Executable law, context-awareness, consistency, monitoring
- Solution to Scalability of Blockchain
- Benchmarking and performance study
- Algorithm design, complexity analysis, implementation for blockchain
- Security, Privacy, and Reliability of Blockchain and Smart Contracts
- Novel applications based on Blockchain and Smart Contracts

Important Dates

- Paper submission due: **June 15, 2020**
- Notification of acceptance: **July 10, 2020**

Submit Your Contributions

At the time of submission, all papers must conform to the Format and Submission Guideline set in advance by QRS 2020. All submissions must be in English and in PDF format. Submissions that do not comply with the above instructions will be rejected without review. Papers must be submitted electronically through the BSC 2020 submission site. Each submission will be reviewed by members of the Program Committee and evaluated on originality, contribution, soundness, and presentation. The program committee as a whole will make final decisions about which submissions to accept for presentation at the conference. The length of a camera ready paper will be limited to eight pages,

including the title of the paper, the name and affiliation of each author, a 150-word abstract, and up to 6 keywords. Authors must follow the [IEEE Computer Society Press Proceedings Author Guidelines](#) to prepare papers. At least one of the authors of each accepted paper is required to pay full registration fee and present the paper at the workshop. Arrangements are being made to publish selected accepted papers in reputable journals. The submissions must be in PDF and uploaded to the conference submission site:

<http://banana.utdallas.edu/grs2020/start/www/BSC/>

Organizing Committee

- Zijiang Yang, Institute for Interdisciplinary Information Core Technology, China (zijiang.yang@wmich.edu)
- Haiping Xu, University of Massachusetts Dartmouth, USA (hxu@umassd.edu)

Program Committee

- Sang-Yoon Chang, University of Colorado Colorado Springs, USA
- Ting Chen, University of Electronic Science and Technology of China, China
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- Cliff C. Zou, University of Central Florida, USA