

Message from the Chairs

Welcome to the 1st **International Workshop on Blockchain Oriented Software Engineering (IWBOSE2018)**. The workshop is co-located with SANER 2018 and will be held on the 20th of March in Campobasso, Italy.

The workshop aims at gathering together researchers from the academia and from the industry to focus on the new challenges posed by the new software technology supporting the various Blockchains infrastructure. The Workshop's goal is to gather together practitioners and researchers to discuss on progresses on the research and on the practical usage of Blockchain technologies and smart contracts, focusing on the application and definition of software engineering principles and practices specific for such software technology, and for the technologies relying on it. Motivations for this workshop are the ever-increasing interest both in the research community and in the industry on Blockchain and smart contracts principles and applications, being the management of cryptocurrencies the most popular topic. These novelties call for specific tools, paradigms, principles, approaches and research to deal with it and for a specific Blockchain Oriented Software Engineering (BOSE) [1].

The Workshop features six accepted papers, three focusing on Smart Contracts and three focusing on Blockchain and ICO (Initial Coin Offers), where security patterns in Solidity, the inspection of Smart Contracts, their vulnerabilities are analyzed altogether with Property-Based Testing for Blockchain and extended analysis of the success factors of ICOs.

Workshop Keynote invited speaker is Prof. Michele Marchesi, from Cagliari University, Italy, with a talk titled: Why Blockchain Is Important for Software Developers, and Why Software Engineering Is Important for Blockchain Software.

We would like to thank all participants and submitters for contributing to the workshop's success.

[1] S. Porru, A. Pinna, M. Marchesi, R. Tonelli, "Blockchain-oriented software engineering: challenges and new directions" Proceedings of the 39th International Conference on Software Engineering Companion, p. 169- 171, May 2017, Buenos Aires, Argentina.

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IWBOSE 2018 Chairs

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