

Call for Papers

International Workshop on Cryptocurrencies and Blockchain Technology ([CBT'17](#))

Co-located with the ESORICS

<https://www.ntnu.edu/esorics2017>

September 14-15, 2017, Oslo, Norway

Sponsored by:  **BLOCKCHAIN**

Aims and Scope of the Workshop:

Since the appearance of Bitcoin in 2009, a plethora of new cryptocurrencies and other blockchain based systems have been deployed with different success. While some of them are slightly different copies of Bitcoin, other ones propose interesting improvements or new usages of the underlying blockchain technology. However, the novelty of such technologies is often tied with rapid developments and proof-of-concept software, and rigorous scientific analyses of the proposed systems are often skipped. This workshop aims to provide a forum for researchers in this area to carefully analyze current systems and propose new ones in order to create a scientific background for a solid development of new cryptocurrencies and blockchain technology systems.

Program Chairs:

Hannes Hartenstein – KIT (Germany)

Jordi Herrera-Joancomartí – UAB (Catalonia)

PC members:

Rainer Böhme – Universität Innsbruck (Austria)

Jeremy Clark – Concordia University (Canada)

Christian Decker – Blockstream (Switzerland)

Joaquín García-Alfaro – IMT (France)

Arthur Gervais – ETH (Switzerland)

Man Ho Au – The Hong Kong Polytechnic Uni.
(Honk Kong)

Ghassan Karame – NEC Research (Germany)

Stefan Katzenbeisser – Technische Universität
Darmstadt (Germany)

Patrick McCorry – UCL (UK)

Shin'ichiro Matsuo – MIT MediaLab (USA)

Guillermo Navarro – UAB (Catalonia)

Mariusz Nowostawski – NTNU (Norway)

Cristina Pérez-Solà – UAB (Catalonia)

Jaume Pernas – Blockchain (UK)

Roger Wattenhofer – ETH (Switzerland)

Topics:

The main topics include (but are not limited to):

- Anonymity and privacy in cryptocurrencies
- Cryptocurrency based trust systems
- Security analysis of existing cryptocurrencies
- Formal threat models in cryptocurrency systems
- Improvement proposals for existing cryptocurrencies
- P2P network cryptocurrencies analysis
- Private transactions in blockchain based systems
- Consensus mechanisms: proof-of-work, proof of stake, proof of burn, proof-of-useful-work
- New usages of the blockchain technology
- Scalability solutions for blockchain systems
- Smart contracts

Important Dates:	Submission Deadline:	June 25, 2017
	Author Notification:	July 21, 2017
	Camera Ready:	August 1, 2017
	Conference Dates:	September 14-15, 2017

Submission:

Submitted papers must be original and not submitted for publication elsewhere. Authors are invited to submit their manuscripts following the LNCS Proceedings Manuscript style. Papers are limited to 16 pages (full papers), or 8 pages (short papers) including references and appendices, and can be submitted as PDF via the CBT 2017 [submission website](#).

Accepted conference papers will be published by Springer in the LNCS collection. At least one author of each accepted paper is required to register and present their work at the workshop; otherwise the paper will not be included in the proceedings.