

CSCML 2017

First International Symposium on Cyber Security, Cryptography and Machine Learning

June 29-30, 2017, Beer-Sheva, Israel

<http://www.cs.bgu.ac.il/~fradmin/cscml17>

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Moti Yung	<i>Columbia Univ. and Snapchat, USA</i>

Conference Committee

Timi Budai (Org. Chair)	<i>Ben-Gurion Univ.</i>
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Dates

Submission deadline	March 19, 2017
Acceptance notification	April 9, 2017
Camera-ready copy due	April 13, 2017
The submission deadline is firm.	

Scope. Original contributions to the theory, design, analysis, implementation, or application of cyber security, cryptography and machine learning systems and networks, and, *in particular, of conceptually innovative results* are solicited. Topics of interest include, but are not limited to:

• Cyber Security Design

- Secure Software Development Methodologies
- Formal methods, semantics and verification of secure systems
- Fault tolerance, reliability, availability of distributed secure systems
- Game-theoretic approaches to secure computing
- Automatic recovery self-stabilizing, and self-organizing systems
- Communication, authentication and identification security
- Cyber security for Mobile and Internet of Things
- Cyber security of corporations
- Security and privacy for cloud, Edge and Fog computing

• Cryptography

- Cryptographic implementation analysis and construction
- Secure Multi-Party computation
- Privacy-enhancing technologies and anonymity
- Post-quantum cryptography and security

• Machine Learning & Big Data

- Anomaly detection and malware identification
- Business Intelligence and Security
- Digital Forensics, Digital Rights Management
- Trust management and Reputation Systems
- Information retrieval, Risk analysis, DoS...

Conference presentations will have two formats:

1. Regular presentations of 25 minutes accompanied by papers of up to 15 pages in the proceedings. This form is intended for contributions reporting on original research, submitted exclusively to this conference.

2. Entrepreneurship pitch of 5 to 10 minutes accompanied by six page abstracts/pitch presentation.

Submission. Papers are to be submitted electronically, following the guidelines available on the conference web page.

Each submission must be in English, in PDF format, and begin with a cover page including: (1) the title, (2) the names and affiliations of all authors, (3) contact author's email, address and telephone number, (4) a brief, one paragraph abstract of the paper, (5) indication whether the paper is a regular submission, or an entrepreneurship pitch submission (the authors of the entrepreneurship pitch track please note that the submissions will not be NDA protected).

A regular submission must not exceed 15 (LNCS formatted) single-column pages (excluding cover page and references). Additional necessary details may be included in a clearly marked appendix that will be read at the discretion of the program committee. An entrepreneurship pitch submission must not exceed 6 single-column pages. All submissions must use LNCS format. Any submission deviating from these guidelines will be rejected without consideration of its merit.

It is recommended that a regular submission begin with a succinct statement of the problem or the issue being addressed, a summary of the main results or conclusions, a brief explanation of their significance, a brief statement of the key ideas, and a comparison with related work, all tailored to a non-specialist. Technical development of the work, directed to the specialist, should follow. Papers outside of the conference scope will be rejected without review.

If requested by the authors on the cover page, a regular submission can also be considered for the entrepreneurship pitch track.

Publication. Regular papers will be included in the Springer LNCS conference proceedings. Extended and revised versions of selected papers will be considered for a special issue of a journal.