

CSCML 2023

Seventh International Symposium on Cyber Security, Cryptology and Machine Learning

June 29-30, 2023, Beer-Sheva, Israel

Dates: Academic Track Submission deadline **February 7, 2023**;
Academic Track Acceptance notification **March 14, 2023**; Academic
Track Camera-ready copy due **March 31, 2023**; Pitch Track Submission
deadline **June 12, 2023**; PhD Track Submission deadline **June 12, 2023**

Keynote Speakers:

Academic Research Track PC

Vijay Atluri	<i>Rutgers University, USA</i>
Yang Cao	<i>Kyoto University, Japan</i>
Ehud Gudes	PC Co-Chair, Ben-Gurion University, Israel
Sokratis Katsikas	<i>Norwegian University of Science and Technology, Norway</i>
Ram Krishnan	<i>University of Texas at San Antonio, USA</i>
Shujun Li	<i>University of Kent, UK</i>
Wenjuan Li	<i>The Hong Kong Polytechnic University, China</i>
Maryam Majedi	<i>University of Southern California, USA</i>
Brad Malin	<i>Vanderbilt University, USA</i>
Weizhi Meng	<i>Technical University of Denmark, Denmark</i>
Martin Olivier	<i>University of Pretoria, South Africa</i>
Pascal Paillier	PC Co-Chair, Zama, France
Shamik Suralsha	<i>Indian Institute of Technology Kharagpur, India</i>
Edgar Weippl	<i>University of Vienna, Austria</i>
Shouhuai Xu	<i>University of Colorado Colorado Springs, USA</i>
Kwok Yan	<i>Nanyang Technological University, Singapore</i>
Nicola Zannone	<i>Eindhoven University of Technology, Netherlands</i>

Entrepreneurship Track PC

Yonah Alexandre Bronstein **Co-Chair, ASTAV inc, Israel**
Shlomi Dolev **Co-Chair, BGU-NHSA, Israel**

PhD Masters Track PC

Oded Margalit **Chair, BGU and Citi Lab**

Chairs and Conference Committee: Yonah Alexandre Bronstein, Pitch Co-Chair *ASTAV inc, Israel*; Shlomi Dolev, **Chair Ben-Gurion Univ., Israel**; Ehud Gudes, PC Co-Chair *Ben-Gurion University, Israel*; Oded Margalit, PhD Track Chair *Ben-Gurion Univ., Israel*; Pascal Paillier, PC Co-Chair *Zama, France*; Rosemary Franklin, Org. Chair *Ben-Gurion Univ., Israel*;

Steering Committee: Orna Berry *CTO Google Cloud, Israel*; Shlomi Dolev, **Chair Ben-Gurion Univ., Israel**; Yuval Elovici *Ben-Gurion Univ., Israel*; Bezalel Gavish *Southern Methodist Univ., USA*; Ehud Gudes *Ben-Gurion Univ., Israel*; Jonathan Katz *Univ. of Maryland, USA*; Rafail Ostrovsky *UCLA, USA*; Jeffrey D. Ullman *Stanford Univ., USA*; Kalyan Veeramachaneni *MIT, USA*; Yaron Wolfsthal *IBM, Israel*; Moti Yung *Columbia Univ. & Google, USA*

Scope. Original contributions to the theory, design, analysis, implementation, or application of cyber security, cryptography, and machine learning systems and networks. In particular, *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, Cyber security for mobile and Internet of Things, Cyber security of corporations, Security and privacy for cloud, Edge and fog computing, Cryptocurrency, and Blockchain.
- **Cryptology** 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 (you can find more information about the submission formats for CSCML 2023 by clicking on the following link:

1. Regular presentations of 20-25 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. Short Papers of 5-10 minutes accompanied by papers of up to 6 pages in the proceedings. Such submissions may describe work in progress or work presented elsewhere.

3. Entrepreneurship Pitch of 5-10 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 and address, (4) a couple of paragraphs abstract of the paper, (5) indication whether the paper is a regular submission, a short paper, an entrepreneurship pitch submission (the authors of the entrepreneurship pitch track please note that the submissions will not be NDA protected), or PhD/ Masters Track.

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. A short paper submission must not exceed 6 single-column pages. All submissions must use LNCS format. Any submission deviating from these guidelines may 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 as a short paper. **Additional Planned Events.** PhD Track and "Capture the Flag" Hackathon are planned to take place during CSCML 2023.

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 the journal *Journal of Computer and System Sciences*.