

CSCML 2025
Ninth International Symposium on Cyber Security, Cryptology and Machine Learning
December 4-5, 2025, Beer-Sheva, Israel - Virtual

<https://www.cscml.org/>

Dates:

FINAL Academic Track Submission deadline **July 15, 2025**;
Academic Track Acceptance notification **July 29, 2025**;
Academic Track Camera-ready copy due **August 16, 2025**;
Pitch Track Submission deadline **November 17, 2025**;
PhD Track Submission deadline **November 17, 2025**;

Keynote Speakers:

Leslie Valiant;
Turing Award winner;
Alex Pentland;
Stanford HAI Fellow, Toshiba Professor at MIT;
Alon Kaufman;
CEO and Co-Founder at Duality Technologies;
David Tenenhouse;
Global RD Executive, Strategist;

Academic Research Track PC

Masayuki Abe *NTT, Japan*
Mayank Agarwal *Sardar Patel Institute of Technology, India*
Adi Akavia, Co-Chair, *University of Haifa, Israel*;
Gilad Asharov *Bar-Ilan University, Israel*
Irad Ben-Gal *Tel Aviv University, Israel*
Riccardo Bettati *Texas A&M University, USA*
Andrej Bogdanov *University of Ottawa, Canada*
Yilei Chen *Tsinghua University, China*
Michele Ciampi *University of Edinburgh, United Kingdom*
Ioannis Chatzigiannakis *Sapienza University of Rome, Italy*
Jean-Sebastien Coron *University of Luxembourg, Luxembourg*
Nir Drucker *IBM Research - Israel, Israel*
Juan Garay, *Texas A&M University, USA*
Nurit Gal-Oz *Sapir Academic College, Israel*
Aarushi Goel *Purdue University, USA*
Ehud Gudes *Ben-Gurion University, Israel*
Sukrit Gupta *Indian Institute of Technology Ropar, India*
Lihi Idan *Texas A&M University, USA*
Stanislaw Jarecki *University of California Irvine, USA*
Florian Kaiser *Karlsruhe Institute of Technology, Germany*
Ilan Komargodski *Hebrew University and NTT Research, Israel and Japan*
Vladimir Kolesnikov, *Georgia Institute of Technology, USA*
Manish Kumar *IIT Ropar, India*
Anna Lysyanskaya, Co-Chair, *Brown University, USA*;
Noam Mazor *Tel Aviv University, Israel*
Tal Moran *Reichman University, Israel*
Marwan Omar *IIT, India*
Anat Paskin-Cherniavsky *Ariel University, Israel*
Omkant Pandey *State University of New York at Stony Brook, USA*
Giuseppe Persiano *Università degli Studi di Salerno, Italy*
Rami Puzis, Co-Chair, *Ben-Gurion University, Israel*;
Eyal Ronen *Tel Aviv University, Israel*
Sivan Sabato, *Ben-Gurion University, Israel*
Gil Segev *Hebrew University and Coinbase, Israel and USA*
Jad Silbak *Northeastern University, USA*
Paul Spirakis *University of Liverpool, United Kingdom*
Eran Tromer *Boston University, USA*
Mayank Varia *Boston University, USA*
Ramarathnam Venkatesan *Microsoft Research, USA*
Andrea Vitaletti *Sapienza University of Rome, Italy*
Kevin Yeo *Google and Columbia University, USA*
Eylon Yogev *Bar-Ilan University, Israel*
Sophia Yakubov *Aarhus University, Denmark*

Entrepreneurship Track PC

Yonah Alexandre Bronstein, **Chair**, *AS-TAV inc, Israel*
Itay Attar *Crossroad Venture Capital, Israel*
Avia Vayner Chen *fresh.fund, Israel*
Andrzej Cetnarski *Cyber Nation Central, USA*
Dorit Dor *Check Point Software Technologies, Israel*
Ben Gilad *Tata Consultancy Services, Israel*
Hila Goldman-Aslan *Genesis Accelerator, Israel*
Nimrod Gerber *Vital Capital, Cyprus*
Gil (Gilam) Levi *Angel Investor, Israel*
Liron Langer Nielsen *Innovate, Israel*
Florentina Michail *Vital Capital, Cyprus*
Yossi Moldawsky *PLUS VENTURES, Israel*
Gil Paz *IN Venture, Israel*
Doron Ariel Shpasser *E.ON Israel, Israel*
Yosef Shafat *Israeli Blockchain Association, Israel*

PhD Masters Track PC

Oded Margalit

Chair, *Ben-Gurion University and NextSilicon, Israel*

Chairs and Conference Committee: Yonah Alexandre Bronstein, Pitch Co-Chair *AS-TAV inc, Israel*; Adi Akavia, PC Co-Chair *University of Haifa, Israel*; Shlomi Dolev, General Chair *Ben-Gurion Univ., Israel*; Dayana Dyachenko, Org. Chair *Ben-Gurion Univ., Israel*; Anna Lysyanskaya, PC Co-Chair, *Brown University, USA*; Oded Margalit, PhD Track Chair *Ben-Gurion University and Next Silicon, Israel*; Rami Puzis, PC Co-Chair *Ben-Gurion University, Israel*;

Steering Committee: Orna Berry *CTO Google Cloud, Israel*; Shlomi Dolev, Chair, *Ben-Gurion Univ., Israel*; Yuval Elovici, Co-Chair, *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. *This year, submissions relying on NLPS and especially LLMs are encouraged.* 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 2024 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 6-11 pages in the proceedings. No appendices are allowed. 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 2024.

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 of Cryptography and Communications*.