

CSCML 2024

Eighth International Symposium on Cyber Security, Cryptology and Machine Learning December 19-20, 2024, Beer-Sheva, Israel - Virtual

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

Dates:

Academic Track Submission deadline **July 6, 2024**;
Academic Track Acceptance notification **August 13, 2024**;
Academic Track Camera-ready copy due **August 31, 2024**;
Pitch Track Submission deadline **December 2, 2024**;
PhD Track Submission deadline **December 2, 2024**

Keynote Speakers:

Roberto Baldoni;

former Director General at National Cybersecurity Agency of Italy;

Esti Peshin;

VP, General Manager, Cyber Division at IAI - Elta;

Andrew Yao;

Dean, Institute for Interdisciplinary Information Sciences;
(IIIS) at Tsinghua University;

Academic Research Track PC - Partial

Leonardo Aniello	University of Southampton, UK
Alex Biryukov	University of Luxembourg, Luxembourg
Johannes Blömer	Paderborn University, Germany
Carlo Blundo	Università di Salerno, Italy
Aymen Boudguiga	CEA, France
Anat Bremner-Barr	Tel Aviv University, Israel
Jakub Breier	TTCControl GmbH, Austria
Michele Carminati	Politecnica di Milano, Italy
Luigi Catuogno	Università degli Studi di Napoli "Parthenope", Italy
Donghoon Chang	IIT, India
Michele Ciampi	University of Edinburgh, UK
Nir Drucker	IBM Research, Israel
Karim Eldefrawy	SRI International
Michael Elhadad	PC Co-Chair, Ben Gurion University, Israel
Brett Hemenway Falk	University of Pennsylvania, USA
Michael Fire	Ben Gurion University, Israel
Clemente Galdi	Università di Salerno, Italy
Mordechai Guri	Ben Gurion University, Israel
Lucjan Hanzlik	CISPA, Germany
Xiaolu Hou	Slovak University of Technology, Slovakia
Christos Kaklamanis	University of Patras, Greece
Vladimir Kolesnikov	Georgia Institute of Technology, USA
Manish Kumar	Bar Ilan University, Israel
Miroslaw Kutylowski	PC Co-Chair, NRI, Poland
Baiyu Li	Google
Vasiliki Liagkou	University of Ioannina, Greece
Sachin Lodha	TCS Research, India
Anna Lysyanskaya	Brown University, USA
Oded Margalit	Ben-Gurion University and Next Silicon, Israel
Avi Mendelson	Technion, Israel
Subhamoy Maitra	India Statistical Institute, India
Donato Malerba	Università degli Studi di Bari Aldo Moro, Italy
Mimmo Parente	Università di Salerno, Italy
Sarvar Patel	Google
Giuseppe Persiano	PC Co-Chair, Università di Salerno, Italy
Dong Hieu Phan	Institut Polytechnique de Paris, France
Yuval Pinter	Ben Gurion University, Israel
Daniel Menasché	Federal University of Rio de Janeiro, Brazil
Palash Sarkar	Indian Statistical Institute, India
Berry Schoenmakers	Eindhoven Univ. of Technology, Netherlands
Paul Spirakis	University of Liverpool, UK
Andrea Vitaletti	Sapienza University of Rome, Italy
Oğuz Yayla	Middle East Technical University, Türkiye
Kevin Yeo	Google

Entrepreneurship Track PC - Partial

Yonah Alexandre Bronstein	Co-Chair, ASTAV inc, Israel
Shlomi Dolev	Co-Chair, BGU-NHSA, Israel
Dorit Dor	Check Point, Israel
Nimrod Gerber	Vital Capital, Cyprus
T S Giridharan	SSN iFound, India
Karina Rubinstein	InNegev, Israel

PhD Masters Track PC

Oded Margalit **Chair**, Ben-Gurion University and Next Silicon, Israel

Chairs and Conference Committee: Yonah Alexandre Bronstein, Pitch Co-Chair *ASTAV inc, Israel*; Shlomi Dolev, **Chair** *Ben-Gurion Univ., Israel*; Michael Elhadad, PC Co-Chair *Ben-Gurion Univ., Israel*; Mirosław Kutylowski, PC Co-Chair *National Research Institute, Poland*; Oded Margalit, PhD Track Chair *Ben-Gurion University and Next Silicon, Israel*; Giuseppe Persiano, PC Co-Chair *Università di Salerno, Italy* Sara Widerker, 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. *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. 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*.