The Tenth Symposium on Cyber Security, Cryptology and Machine Learning (CSCML 2026)

December 03–04, 2026 • Hosted at Ben-Gurion University of the Negev, Be'er Sheva, Israel

Full Program Schedule

Thursday, December 03, 2026

Time	Main Room / Academic Research Track	Other Tracks
08:20 – 08:30 Israel Time (UTC +2)	Opening Ceremony Shlomi Dolev	
08:30 – 09:20 Israel Time (UTC +2)	Keynote Speaker 1: **Yossi Vardi** Talk Titled: The Human Dimension of Machine Learning Introduction by: Shlomi Dolev	
09:20 – 10:30 Israel Time (UTC +2)	**Academic Track: Morning Session** Moderator: Panos Nastou	**PhD / Masters Track — Session 1** Moderator: Oded Margalit

Academic Track: Morning Session (Moderator: Panos Nastou)

1	09:20 – 09:35	**Post-Quantum Migration of Electronic National Lotteries: A Verifiable Generator-Verifier-Auditor Architecture** *Vasiliki Liagkou, Panagiotis Nastou, Paul Spirakis and **Yannis Stamatiou***
2	09:35 – 09:50	**Quantum-Inspired Zero-Noise Extrapolation for Robust Physical Layer Security** ***Rajnish Kumar** and Shlomi Arnon*
3	09:50 – 10:05	**Privacy-Preserving Uniswap: A Comparison-Free Encrypted AMM Protocol** *Allon Adir, Ehud Aharoni, **Nir Drucker**, Eyal Kushnir, Omri Soceanu and Hayim Shaul*
4	10:05 – 10:20	**Fully Dynamic Hop-Countered Cuckoo Hashing for Secure Distributed Directory Systems** *Shlomi Dolev, Ehud Gudes and **Daniel Shlomo***
Short 1	10:20 – 10:30	**Multi-Party Computation in Machine Learning: Privacy-Preserving Ridge Regression** ***Radosław Trzmielewski***

PhD / Masters Track — Session 1 (Moderator: Oded Margalit)

09:20 – 09:30	Welcome and Instructions
09:30 – 09:40	
09:40 – 09:50	
09:50 – 10:00	
10:00 – 10:10	
10:10 – 10:20	
10:20 – 10:30	

10:30 – 10:40 Israel Time (UTC +2)	**Break**

10:40 – 12:35 Israel Time (UTC +2)	**Academic Track: Mid-Morning Session** Moderator: Hadassa Daltrophe

Academic Track: Mid-Morning Session (Moderator: Hadassa Daltrophe)

1	10:40 – 10:55	**Extraction meets Distillation – Cryptanalytic techniques to recover Parameters from a Deep Neural Network** ***Biprarshi Biswas**, Subhamoy Maitra, Arya Anshuman Ojha, Yubaraj Das, Devansh Khosla, Kamran Rais and Saankhya Samanta*

PhD / Masters Track — Session 2 (10:40 – 11:30) (Moderator: Oded Margalit)

10:40 – 10:50	

	2	10:55 – 11:10	**Reasoning Under Promised Distributions: Evaluating LLMs on Black-Box Reduction Rigor** ***Shay Gueron**, Isaac Elbaz and Philip Woods*	10:50 – 11:00	
	3	11:10 – 11:25	**Evolving Character-String Suffixes: A Black-Box Genetic-Algorithm Attack on the Text-Conditioning Stage of Diffusion Models** ***Shachar Shmueli,** Ofir Kruzel, Amit Peled, and Ofer Hadar*	11:00 – 11:10	
	4	11:25 – 11:40	**Hybrid AI-Driven Bug Localization in SoC RTL** *Oren Nishry and **Ronen Gal***	11:10 – 11:20	
	5	11:40 – 11:55	**Sole Control over SSCD: Misuse Detection with Power-of-2-Choices** ***Mirosław Kutyłowski**, Dominik Bojko, Jacek Cichoń, Oliwer Sobolewski and Gabriel Wechta*	11:20 – 11:30	
	6	11:55 – 12:10	**I Know Where Your Private Bucket Is Located** ***Moshe Azulay**, Anat Bremler-Barr and Yaniv Harel*		
	7	12:10 – 12:25	**Optimizing Decoy-Vulnerability Placement for Attack Graph Obfuscation under Adversarial Awareness** ***Ortal Geva**, Ehud Gudes and Rami Puzis*		
	Short 1	12:25 – 12:35	**An Interactive AIS Protocol Simulator for Maritime Anomaly Detection and Spatio-Temporal Analytics** ***Silvie Levy** and Shlomy Benjo*		
12:35 – 12:50 Israel Time (UTC +2)	**Lunch Break**				
12:50 – 14:10 Israel Time (UTC +2)	**Academic Track: Noon Session** Moderator: Ofer Hadar				
	Short 1	12:50 – 13:00	**Multi-Platform Payment Fraud Detection via Behavioral Velocity Profiling and Cost-Sensitive Gradient Boosting** ***Lohith R D** and Shaila S G*		
	Short 2	13:00 – 13:10	**Privacy-Preserving Document Summarization** ***Itai Assraf** and Mark Last*		
	1	13:10 – 13:25	**Dynamic Data Usage Prediction for Mobile Telecom Networks** *Linoy Arami and **Lee-Ad Gottlieb***		
	2	13:25 – 13:40	**GDS-for-AI-RAG: Gradient-Learned Navigable Graphs with Independent Multi-Hub Parallel Beam Search** *Hillel Avni, Shlomi Dolev, **Shira Rad Shilo** and Michael Segal*		
	Short 3	13:40 – 13:50	**Interference-Based Non-Quantum Key Distribution** *Shlomi Dolev, **Yizhak Kahana** and Yaakov Stein*		
	Short 4	13:50 – 14:00	**Can Induced Emotions Predict Movie Success?** ***Milka Kaplan**, Armin Shmilovici and Mark Last*		

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<tr><td>Short 5</td><td>14:00 – 14:10</td><td>BeeVision: Marked Bee Detection and Tracking
Almog Babila, Ariel Ariav, Hadassa Daltrophe and Tammar Shrot</td></tr>
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<tr><td>14:10 – 15:00
Israel Time (UTC +2)</td><td colspan="2">Keynote Speaker 2: Stuart Russell
Talk Titled: How Not to Destroy the World With AI
Introduction by: Paul Spirakis</td></tr>
<tr><td>15:00 – 15:10
Israel Time (UTC +2)</td><td colspan="2">Break</td></tr>
<tr><td>15:10 – 16:30
Israel Time (UTC +2)</td><td>
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<tr><td colspan="3">Academic Track: Afternoon Session
Moderator: Ehud Gudes</td></tr>
<tr><td>1</td><td>15:10 – 15:25</td><td>JetStream: Privacy-preserving Memoryless Aggregate Computations on Large Data Streams
George Alter, Chongwon Cho, Quinn Grier, Steve Lu, Tod Massa and Rafail Ostrovsky</td></tr>
<tr><td>2</td><td>15:25 – 15:40</td><td>Pruning Merkle-Tree Consistent Accumulator
Anna Mendonca, Hudson Shi, Ivan Pryvalov and Amir Herzberg</td></tr>
<tr><td>3</td><td>15:40 – 15:55</td><td>Private Identity-based Bulletin Boards for Anonymous Messaging and Online Services
Karim Eldefrawy, Benjamin Terner, Stanislaw Jarecki and Gene Tsudik</td></tr>
<tr><td>4</td><td>15:55 – 16:10</td><td>AMUSE: Asynchronous Multi-Agent Multi-String Uncoordinated Secure Encryption
Hillel Avni, Shlomi Dolev, Stav Elbar, Zvi Galil, Komal Kumari, Shantanu Sharma, Jeffrey Ullman and Moti Yung</td></tr>
<tr><td>Short 1</td><td>16:10 – 16:20</td><td>Calibration and False-Claim Accounting in Composed AI Workflows
Karim Eldefrawy</td></tr>
<tr><td>Short 2</td><td>16:20 – 16:30</td><td>MergeML: Privacy-Preserving Federation of Decision Layers over Private Feature Extractors with Single-Key and Multi-Key CKKS
Devharsh Trivedi</td></tr>
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<tr><td colspan="2">Entrepreneurship (Pitch) Track
15:10 – 16:30
Moderator: Yonah Alexandre Bronstein</td></tr>
<tr><td>15:10 – 15:15</td><td>Welcome and Instructions</td></tr>
<tr><td>15:15 – 15:23</td><td></td></tr>
<tr><td>15:23 – 15:31</td><td></td></tr>
<tr><td>15:31 – 15:39</td><td></td></tr>
<tr><td>15:39 – 15:47</td><td></td></tr>
<tr><td>15:47 – 15:55</td><td></td></tr>
<tr><td>15:55 – 16:03</td><td></td></tr>
<tr><td>16:03 – 16:11</td><td></td></tr>
<tr><td>16:11 – 16:20</td><td>Judge Deliberations</td></tr>
<tr><td>16:20 – 16:30</td><td>Judge Tally</td></tr>
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<tr><td>16:30 – 17:30
Israel Time (UTC +2)</td><td colspan="2">Keynote Speaker 3: Silvio Micali
Talk Titled: Smart Institutional Platforms
Introduction by: Stefan Dziembowski</td></tr>
<tr><td>17:30 – 18:00
Israel Time (UTC +2)</td><td colspan="2">Pitch Finalist Ceremony
Hosted by: Yonah Alexandre Bronstein
The three finalists from the Entrepreneurship (Pitch) Track will each have 5 minutes to present their pitch again to the entire CSCML audience. The audience will then vote for the best pitch.</td></tr>
<tr><td>18:00 – 19:00
Israel Time (UTC +2)</td><td colspan="2">Evening Keynote: Martin Hellman
Talk Titled: Public Key Cryptography and Peace
Interviewer: Yehuda Afek</td></tr>
<tr><td>19:00 – 20:00</td><td colspan="2">Panel Discussion: Modern Cryptography: From Its Foundation to the Post-Quantum, AI Era and Beyond</td></tr>
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Israel Time (UTC +2)	Panel Speakers: Ronald Rivest, Ralph Merkle, Gilles Brassard and Charles Bennett Moderator: Shlomi Dolev
20:00 – 20:15 Israel Time (UTC +2)	Closing Ceremony / Remarks — Day 1 Shlomi Dolev

Friday, December 04, 2026	
Time	**Event**
11:00 – 11:10 Israel Time (UTC +2)	Welcome Hosted by: Shlomi Dolev
11:10 – 12:00 Israel Time (UTC +2)	Virtual Tour: Hosted by: Format: Live virtual tour, followed by audience Q&A
12:00 – 12:50 Israel Time (UTC +2)	Keynote Speaker 4: Talk Titled: Introduction by:
12:50 – 13:40 Israel Time (UTC +2)	Keynote Speaker 5: Talk Titled: Introduction by:
13:40 – 14:00 Israel Time (UTC +2)	Closing Ceremony / Blessing Shlomi Dolev