

CSCML 2022- June 30th Full Program

Time	Session	Academic Research Track- Slot Breakdown			Other Track
8:20-8:30 Israel Time (10:20pm PST June 29 th / 1:20am EST)	Opening-	Shlomi Dolev			
8:30-9:20 (10:30pm PST June 29 th / 1:30am EST)	Keynote 1-	Michal Braverman-Blumenstyk			
9:20-9:30	Break				
9:30-11:01 (11:30pm PST June 29 th / 2:30am EST)	Morning Session	1	9:30 – 9:45	Blind Rotation in Fully Homomorphic Encryption with Extended Keys Marc Joye and Pascal Paillier	Hackathon/Capture the Flag
		2	9:45 - 10:00	Monitoring Time Series with Missing Values: A Deep Bayesian Approach Oshri Barazani and David Tolpin	
		3	10:00- 10:15	Time, Memory and Accuracy Tradeoffs in Side-Channel Trace Profiling Hen Hayoon and Yossi Oren	

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		4	10:15 - 10:30	Design of Intrusion Detection System based on Logical Analysis of Data (LAD) using Information Gain Ratio Sneha Chauhan and Sugata Gangopadhyay	
		5	10:30 - 10:45	Simulating a Coupon Collector Dina Barak-Pelleg and Daniel Berend	
		Short 1	10:45- 10:53	On the Undecidability of the Panopticon Detection Problem Yannis Stamatiou, Vasiliki Liagkou, Panagiotis Nastou and Paul Spirakis	
		Short 2	10:53 - 11:01	Privacy-Preserving Contrastive Explanations with Local Foil Trees Thijs Veugen, Bart Kamphorst and Michiel Marcus	
11:01-11:11	Break				
11:11-12:42 (1:11am PST June 29 th / 4:11am EST)	Mid-Morning Session	1	11:11-11:26	Timing Leakage Analysis of Non-Constant-Time NTT Implementations with Harvey Butterflies Nir Drucker and Tomer Pelleg	PhD
		2	11:26-11:41	Predicting the Direction of Changes in the Values of Time Series for Relatively Small Training Samples Sergey Frenkel	

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		3	11:41-11:56	Machine-Learning Based Objective Function Selection for Community Detection Asa Bornstein, Amir Rubin and Danny Hendler	
		4	11:56-12:11	Randomness for Randomness Testing Daniel Berend, Shlomi Dolev and Manish Kumar	
		5	12:11-12:26	Botnet Attack Identification Based on SDN Dimiter Avresky and Dobrin Dobrev	
		Short 1	12:26-12:34	Setting Up an Anonymous Gesture Database as well as Enhancing it with a Verbal Script Simulator for Rehabilitation Applications Yoram Segal and Ofer Hadar	
		Short 2	12:34-12:42	Fake News Detection in Social Networks using Machine Learning and Trust Nadav Voloch, Ehud Gudes, Nurit Gal-Oz, Rotem Mitrany, Ofri Shani and Maayan Shoel	
12:42-13:15	Lunch				
13:15-14:46 (3:15am PST/ 6:15am EST)	Noon session	1	13:15-13:30	Reinforcement Based User Scheduling for Cellular Communications Nimrod Gradus, Asaf Cohen, Erez Biton and Omer Gurwitz	Pitch

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		2	13:30- 13:45	A Heuristic Framework to Search for Approximate Mutually Unbiased Bases Sreejit Chaudhury, Ajeet Kumar, Subhamoy Maitra, Somjit Roy and Sourav Sen Gupta	
		3	13:45 - 14:00	Counter Mode for Long Messages and a Long Nonce Shay Gueron	
		4	14:00 – 14:15	Transfer Learning for Time Series Classification using Synthetic Data Generation Yarden Rotem, Nathaniel Shimoni, Lior Rokach and Bracha Shapira	
		5	14:15 - 14:30	Non-Stopping Junctions via Traffic Scheduling Shlomi Dolev, Ehud Gudes and Hannah Yair	
		Short 1	14:30 – 14:38	Predicting Subscriber Usage: Analyzing Multidimensional Time-Series using Convolutional Neural Networks Benjamin Azaria and Lee-Ad Gottlieb	
		Short 2	14:38 - 14:46	Smart Cybercrime Classification for Digital Forensics with Small Datasets Isfaque Al Kaderi Tuhin, Peter Loh and Zhengkui Wang	
14:46-15:00	Break				

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<p>15:00-15:50</p> <p>(5am PST/8am EST)</p>	<p>Keynote 2-</p>	<p>Shlomo Dovrat</p>			
<p>15:50-16:00</p>	<p>Break</p>				
<p>16:00-17:24</p> <p>(6am PST/9am EST)</p>	<p>Afternoon Session</p>	<p>1</p>	<p>16:00-16:15</p>	<p>Auditable, Available and Resilient Private Computation on the Blockchain via MPC</p> <p>Christopher Cordi, Michael P. Frank, Kasimir Gabert, Carollan Helinski, Ryan C. Kao, Vladimir Kolesnikov, Abraham Ladha and Nicholas Pattengal</p>	<p>Pitch</p>
<p>2</p>	<p>16:15-16:30</p>	<p>Union Buster: A Cross-Container Covert-Channel Exploiting Union Mounting</p> <p>Novak Boskov, Naor Radami, Trishita Tiwari and Ari Trachtenberg</p>			
<p>3</p>	<p>16:30-16:45</p>	<p>Mutual Accountability Layer: Accountable Anonymity within Accountable Trust</p> <p>Vanesa Daza, Abida Haque, Alessandra Scafuro, Alexandros Zacharakis and Arantxa Zapico</p>			
<p>4</p>	<p>16:45-17:00</p>	<p>Faster Post-Quantum TLS Handshakes without Intermediate CA Certificates</p> <p>Panos Kampanakis and Michael Kallitsis</p>			

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		Short 1	17:00-17:08	Enhancing Cybersecurity of Satellites at sub-THz Band Rajnish Kumar and Shlomi Arnon	
		Short 2	17:08-17:16	Polynomial Approximation of Inverse sqrt Function for FHE Samanvaya Panda	
		Short 3	17:16-17:24	Detecting Clickbait in Online Social Media: You Won't Believe How We Did It Aviad Elyashar, Jorge Bendahan and Rami Puzis	
17:24-17:34	Break				
17:34-18:00	Pitch finalist ceremony				
18:00-18:50 (8:00am PST/ 11:00am EST)	Keynote 3-			Dr. Burt Kaliski Jr.	
18:50 –19:00	Break				
19:00-20:31 (9:00am PST/ 12:00PM EST)	Evening Session	1	19:00-19:15	Etherless Ethereum Tokens: Simulating Native Tokens in Ethereum John Andrews, Michele Ciampi and Vassilis Zikas	
		2	19:15-19:30	A Linear-Time 2-Party Secure Merge Protocol Rohit Nema, Brett Falk and Rafail Ostrovsky	

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		3	19:30-19:45	FairMM: A Fast and Frontrunning-Resistant Crypto Market-Maker Michele Ciampi, Muhammad Ishaq, Malik Magdon-Ismail, Rafail Ostrovsky and Vassilis Zikas	
		4	19:45-20:00	In-app Cryptographically-Enforced Selective Access Control for Microsoft Office and Similar Platforms Karim Eldefrawy, Tancredè Lepoint and Laura Tam	
		5	20:00- 20:15	Differentially-Private “Draw and Discard” Machine Learning: Training Distributed Models from Enormous Crowds Vasyl Pihur, Moti Yung and Aleksandra Korolova	
		Short 1	20:15-20:23	Privacy Preserving Solution of DCOPs by Mediation Pablo Kogan, Tamir Tassa and Tal Grinshpoun	
		Short 2	20:23-20:31	BFLUT Bloom Filter for Private Look Up Tables Shlomi Dolev, Ehud Gudes, Erez Segev, Jeffrey Ullman and Grisha Weintraub	
20:31-20:46 (10:31am PST/ 13:31PM EST)	Closing/ Blessing				