

CSC ML 2017



2017 INTERNATIONAL SYMPOSIUM ON CYBER SECURITY CRYPTOGRAPHY AND MACHINE LEARNING

JUNE · 29-30 · 2017
BEN-GURION UNIVERSITY
ALON BUILDING FOR HI-TECH

PROF. SHLOMI DOLEV
DR. SACHIN LODHA
GENERAL CHAIRS

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Academic Research Track Building 37, Auditorium 202 Thursday, 29 June 2017

08:30 - 09:00	Gathering and Registration
09:00 - 09:15	Welcoming Address
09:15 - 10:00	Keynote Invited Talk I <i>Nine Cups of Coffee for Captain Hook,</i> Yanki Margalit
10:00 - 10:30	Coffee Break
10:30 - 12:10	Academic Research Track - Morning Session
10:30 - 10:45	<i>Efficient, Reusable Fuzzy Extractors from LWE,</i> Daniel Apon, Chongwon Cho, Karim Eldefrawy and Jonathan Katz
10:45 - 11:00	<i>GenFace: Improving Cyber Security using Realistic Synthetic Face Generation,</i> Margarita Osadchy, Yan Wang, Orr Dunkelman, Stuart Gibson, Julio Hernandez-Castro and Christopher Solomon
11:00 - 11:15	<i>Supervised detection of infected machines using anti-virus induced labels,</i> Tomer Cohen, Danny Hendler and Dennis Potashnik
11:15 - 11:30	<i>Building Regular Registers with Rational Malicious Servers and Anonymous Clients,</i> Antonella Del Pozzo, Silvia Bonomi, Riccardo Lazzeretti and Roberto Baldoni
11:30 - 11:45	<i>On the Optimality of the Exponential Mechanism,</i> Francesco Aldà and Hans Simon
11:45 - 12:00	<i>On Pairing Inversion of the Self-bilinear Map on Unknown Order Groups,</i> Hyang-Sook Lee, Seongan Lim and Ikkwon Yie
12:00 - 12:10	<i>Brief Announcement: Anonymous Credentials Secure to Ephemeral Leakage,</i> Łukasz Krzywiecki, Marta Wszola and Mirosław Kutylowski

12:10 - 12:30	Coffee Break
12:30 - 14:00	Academic Research Track - Noon Session
12:30 - 12:45	<i>The Combinatorics of Product Scanning Multiplication and Squaring,</i> Adam Young and Moti Yung
12:45 - 13:00	<i>Stylometric Authorship Attribution of Collaborative Documents,</i> Edwin Dauber, Rebekah Overdorf and Rachel Greenstadt
13:00 - 13:15	<i>A Distributed Investment Encryption Scheme: Investcoin,</i> Filipp Valovich
13:15 - 13:30	<i>Physical Layer Security over Wiretap Channels with Random Parameters,</i> Ziv Goldfeld, Paul Cuff and Haim Permuter
13:30 - 13:45	<i>Assisting Malware Analysis with Symbolic Execution: a Case Study,</i> Roberto Baldoni, Emilio Coppa, Daniele Cono D'Elia and Camil Demetrescu
13:45 - 13:50	<i>Brief Announcement: A Consent Management Solution for Enterprises,</i> Abigail Goldsteen, Shelly Garion, Sima Nadler, Natalia Razinkov, Yosef Moatti and Paula Ta-Shma
13:50 - 13:55	<i>Brief Announcement: Privacy Preserving Mining of Distributed Data Using a Trusted and Partitioned Third Party,</i> Nir Maoz and Ehud Gudes
13:55 - 14:00	<i>Brief Announcement: A Technique for Software Robustness Analysis in Systems Exposed to Transient Faults and Attacks,</i> Sergey Frenkel and Victor Zakharov
14:00 - 14:45	Lunch Break

14:45 - 16:15	Academic Research Track - Afternoon Session
14:45 - 15:00	<i>Symmetric-Key Broadcast Encryption: The Multi-Sender Case,</i> Cody Freitag, Jonathan Katz and Nathan Klein
15:00 - 15:15	<i>A Supervised Auto-Tuning Approach for a Banking Fraud Detection System,</i> Michele Carminati, Luca Valentini and Stefano Zanero
15:15 - 15:30	<i>Scalable Attack Path Finding for Increased Security,</i> Tom Gonda, Rami Puzis and Bracha Shapira
15:30 - 15:45	<i>Learning Representations for Log Data in Cybersecurity,</i> Ignacio Arnaldo, Kalyan Veeramachaneni, Ankit Arun, Mei Lam, Costas Bassias and Alfredo Cuesta
15:45 - 16:00	<i>Attack Graph Obfuscation,</i> Hadar Polad, Rami Puzis and Bracha Shapira
16:00 - 16:15	<i>Malware Triage based on Static Features and Public APT Reports,</i>

	Giuseppe Laurenza, Leonardo Aniello, Riccardo Lazzaretti and Roberto Baldoni
16:15 - 16:30	Coffee Break
16:30 - 17:15	Keynote Invited Talk II <i>Data Science: Is it Real? Is it Just Machine Learning?,</i> Prof. Jeffrey D. Ullman
17:15 - 17:45	Entrepreneurship Pitch Track <i>Entrepreneurship Pitch Track, summary of the track and naming the three best pitches finalists,</i> Sachin Lodha
17:45 - 18:15	Panel <i>The Future of Cyber Security, Cryptography and Machine Learning,</i> Yoav Tzruya, Yaniv Harel, Uzy Zwebner, Ran Achituv, Ayal Itzkovitz, Arik Kleinstein, Guy Horowitz, Yaron Rosenbaum
18:15 - 18:45	Business Meeting
18:45 -	Dinner

PhD Student Research and Entrepreneurship Pitch Track Building 37, Room 201 Thursday , 29 June 2017

08:30 - 09:00	Gathering and Registration
09:00 - 09:15	Welcoming Address
09:15 - 10:00	Keynote Invited Talk I <i>Nine Cups of Coffee for Captain Hook,</i> Yanki Margalit
10:00 - 10:30	Coffee Break
10:30 - 12:10	PhD Student Research Track - Morning Session
12:10 - 12:30	Coffee Break
12:30 - 14:00	PhD Student Research Track - Noon Session
14:00 - 14:45	Lunch Break
14:45 - 16:15	Entrepreneurship Pitch Track - Afternoon Session
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18:15 - 18:45	Business Meeting
18:45 -	Dinner

Field Seminar Friday, 30 June 2017

07:50 - 08:00	Gathering
08:00 - 09:00	Transportation to Mitzpe Ramon
09:00 - 10:45	Tour at the Mitzpe Ramon Crater
10:45 - 11:15	Field Seminar Keynote Invited Talk <i>On Creating Cyber Security Excellence Center in the Negev,</i> Dr. Yaron Wolfsthal
11:15 - 11:45	Discussion - Academic Research and Entrepreneurship
11:45 - 12:15	Lunch Break at Sde Boker
12:15 - 14:15	Jeep Tour at Sde Boker and Cin Springs
14:15 - 15:00	Transportation to Be'er Sheva

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To see the photos from the conference, please click [here](#).