Academic Research Track Building 37, Auditorium 202 Thursday, 21 June 2018

Time	Session
08:30 - 09:00	**Gathering and Registration**
09:00 - 09:15	**Welcoming Address**
09:15 - 10:00	**Keynote Invited Talk I** *The Abyss is Waving Back…* *The four paths that human evolution is charging down, and how we choose which one's right*, **Chris Roberts**
10:00 - 10:30	**Coffee Break**
10:30 - 12:10	**Academic Research Track - Morning Session**
10:30 - 10:45	*Invited Paper - Optical Cryptography for Cyber Secured and Stealthy Fiber-Optic Communication Transmission*, Zeev Zalevsky
10:45 - 11:00	*Efficient Construction of the Kite Generator Revisited*, Orr Dunkelman and Ariel Weizman
11:00 - 11:15	*Using Noisy Binary Search for Diffrentially Private Anomaly Detection*, Daniel Bittner, Anand Sarwate and Rebecca Wright
11:15 - 11:30	*Distributed Web Mining of Ethereum*, Trishita Tiwari, David Starobinski and Ari Trachtenberg
11:30 - 11:45	*An Information-Flow Control model for Online Social Networks based on user-attribute credibility and connection-strength factors*, Nadav Voloch and Ehud Gudes
11:45 - 12:00	*Detecting and Coloring Anomalies in real cellular network using Principle Component Analysis*, Yoram Segal, Dan Vilenchik and Ofer Hadar
12:00 - 12:15	*Self-Stabilizing Byzantine Tolerant Replicated State Machine Based on Failure Detectors*, Shlomi Dolev, Chryssis Georgiou, Ioannis Marcoullis and Elad Michael Schiller
12:15 – 12:20	*Brief Announcement: Providing End-to-End Secure Communication in Low-Power Wide Area Networks (LPWANs)*, Ioannis Chatzigiannakis, Vasiliki Liagkou and Paul Spirakis
12:20 - 12:40	**Coffee Break**
12:40 - 14:05	**Academic Research Track - Noon Session**
12:40 - 12:55	*Highway State Gating for Recurrent Highway Networks: Improving information flow through time*, Ron Shoham and Haim Permuter
12:55 - 13:10	*Privacy Via Maintaining Small Similitude Data for Big Data Statistical Representation*, Philip Derbeko, Shlomi Dolev and Ehud Gudes
13:10 - 13:25	*Secured Data Gathering Protocol for IoT Networks*, Alejandro Cohen, Asaf Cohen and Omer Gurewitz
13:25 - 13:40	*Towards building active application defense systems*, Zara Perumal and Kalyan Veeramachaneni
13:40 - 13:55	*Secure Non-Interactive User Re-Enrollment in Biometrics-based Identification and Authentication Systems*, Ivan de Oliveira Nunes, Karim Eldefrawy and Tancrede Lepoint
13:55 - 14:00	*Brief Announcement: Image authentication using Hyperspectral layers*, Guy Leshem and Menachem Domb
14:00 - 14:05	*Brief Announcement: Graph-based and Probabilistic Discrete Models Used in Detection of Malicious Attacks*, Sergey Frenkel and Victor Zakharov

Time	Session
14:05 - 14:50	**Lunch Break**
14:50 - 17:50	**Capture the Flag - Mini Hackathon**
14:50 - 16:20	**Academic Research Track - Afternoon Session**
14:50 - 15:05	*Intercepting a Stealthy Network,* Mai Ben Adar - Bessos and Amir Herzberg
15:05 - 15:20	*Privacy in E-Shopping Transactions: Exploring and Addressing the Trade-Offs,* Jesus Diaz, Seung Geol Choi, David Arroyo, Angelos Keromytis, F. B. Rodriguez and Moti Yung
15:20 - 15:35	*Detection in the Dark - Exploiting XSS Vulnerability in C&C Panels as a New Technique to Detect Malwares,* Shay Nachum, Assaf Schuster and Opher Etzion
15:35 - 15:50	*A Planning Approach to Monitoring Computer Programs' Behavior,* Alexandre Cukier, Ronen Brafman, Yotam Perkal and David Tolpin
15:50 – 16:05	*One-Round Secure Multiparty Computation of Arithmetic Streams and Functions,* Ziv Aharoni, Gal Rattner and Haim Permuter
16:05 - 16:10	*Brief Announcement: Gradual Learning of Deep Recurrent Neural Network,* Ziv Aharoni, Gal Rattner and Haim Permuter

Time	Session
16:10 - 16:15	*Brief Announcement: Adversarial Evasion of Western Electric Rules,* Oded Margalit
16:15 - 16:20	*Brief Announcement: Deriving Context for Touch Events,* Moran Azran, Niv Ben Shabat, Tal Shkolnik and Yossi Oren
16:20 - 16:35	**Coffee Break**
16:35 - 17:20	**Keynote Invited Talk II** *Limits on the Computational Capacity of the Human Brain and its Implications,* **Prof. Bezalel Gavish**
17:20 - 17:50	**Entrepreneurship Pitch Track** *Entrepreneurship Pitch Track, summary of the track and naming the three best pitches finalists,* **Ben Gilad**
17:50 - 18:20	**Panel** *Cyber security, cryptography and machine learning, from basic research to industry*
18:20 – 18:50	**Business Meeting**
18:50 -	**Dinner**

PhD Student Research and Entrepreneurship

Pitch Tracks Building 37, Room 201

Thursday , 21 June 2018

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10:00 - 10:30	**Coffee Break**
10:30 - 12:10	**PhD Student Research Track - Morning Session**
12:10 - 12:30	**Coffee Break**
12:40 - 14:05	**PhD Student Research Track - Noon Session**
14:05 - 14:50	**Lunch Break**
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Field Seminar Friday, 22 June 2018

Time	Session
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** *Scaling Israeli Startups in the US through Innosphere,* **Gili Elkin**
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**
15:15 – 16:30	**Transportation to Ben-Gurion Airport**
16:30 – 17:15	**Transportation to Tel Aviv Savidor Center**

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