Welcome
Ahlan Wasahla
לפקולטה להנדסת חשמל
ל"ש אנדרו ואציו פרגי
The Andrew & Erna Viterbi
Faculty of Electrical Engineering
Have a good week

Priyatnoi nedeli

23/08/20

Shabbat Tov
Asbou Saeed
Khamis yemis: yi ntar
Congratulations to

Professor Nir Tessler

has been selected as

Fellow of the Royal Society of Chemistry

London, UK

Achieving Fellow status must have made an outstanding contribution to the advancement of the chemical sciences; or to the advancement of the chemical sciences as a profession; or have been distinguished in the management of a chemical sciences organization.

August 2020
Electro-Optics and Microelectronics Seminar

High speed 1.55um InAs based Quantum Dots lasers and amplifiers – temperature stability, static dynamic, electrical and spectral properties

Ori Eyal

PhD seminar under the supervision of
Prof. Gadi Eisenstein

Monday, 31/08/2020
12:30

Join Zoom Meeting

Semiconductor lasers have come to dominate a large part of daily life. Examples include communication, sensing, material processing and consumer electronics. During the last several years, the significance of dimensionality of the gain material has emerged as a major direction for improvement which led to a great emphasis of Quantum Dots (QDs). QDs avail high gain and fast dynamics with a low temperature dependence. 

https://technion.zoom.us/j/97997334385
Peter Gustav Dirichlet
13-2-1805 - Birth of German mathematician (d. 1859)

Contributions to number theory (including creating the field of analytic number theory) and to the theory of Fourier series and other topics in mathematical analysis. First mathematicians to give the modern formal definition of a function.

From Wikipedia, the free encyclopedia
Integration of superconductivity with the well-established solid-state characteristics of semiconductors has opened new interdisciplinary research fields. One of the promising ideas is the superconducting two-photon gain (STPG), where superconducting Cooper-pairs, injected into the semiconductor, recombine as part of fully stimulated two-photon emission process in a waveguide structure. ....

https://technion.zoom.us/j/93294761485
Congratulations

to

Yuval Ben-Hur and Yuval Cassuto

on their winning the 2019 Best Student Paper Award

for the paper

“Detection and Coding Schemes for Sneak-Path Interference in Resistive Memory Arrays”

in Data Storage from the IEEE Communications Society

August 2020
Virtual Workshop on Machine Learning & Hardware Security
August 26-27, 2020
9:00-13:00 (Israel time, UTC+3) 14:00-18:00 (Singapore time, UTC+8)

Objective: Exchange knowledge and research ideas in the area of using machine learning to improve evaluation and reverse engineering techniques. We hope to:
- Create a community of researchers in these areas
- Expose the researchers to new infrastructures, techniques and research topics
- Establish a common ground for new collaborations and funding opportunities.

Distinguished Speakers

- Prof. Alex Bromstein, Technion, Israel
- Prof. Sylvain Guilley, Secure-IC, France
- Prof. Sjepan Picei, TU Delft, Netherlands
- Prof. D. Mukhopadhyay, IIT Kharagpur, India

2 Half-Days Workshop

- Tutorial on Geometry and Learning in Shape Correspondence Problems
- 1 Panel Discussion
- 8 Invited Talks from Domain Experts Covering:
  - Application of Machine Learning For:
    - Side-Channel Analysis
    - Fault Injection Analysis
    - Hardware Trojan Detection
    - IC Reverse Engineering
    - IC Circuit Extraction
  - Graph Theory For Reverse Engineering
  - Hardware Security of Machine Learning

Program and Registration
https://cyber.technion.ac.il

Registration is free, but required. Please use one of the following links:
https://cyber.technion.ac.il/
OR https://forms.gle/y5x7qREd
כר, ז'ירא ג'פיי
על זכיית בפרס מחקר מחקר ע"ש אלכסנדר גולדברג
לשנת תש"פ
עבורי הישגינו בכבודת מחקר בנושאים:
Resource Efficient Deep Learning
הפרס ניח ד"ע ה зат'ינוגט במחקר
ישי בו תרומה לתעשיה הישראלית
July 2020
Graduate Seminar

Machine Learning Web Seminar
Improved Regret Bounds for Projection-free Bandit Convex Optimization

Ben Kretzu

Wednesday, 02/09/2020
10:30
Zoom Room

We revisit the challenge of designing online algorithms for the bandit convex optimization problem (BCO) which are also scalable to high dimensional problems. Hence, we consider algorithms that are projection-free, i.e., based on the conditional gradient method whose only access to the feasible decision set is through a linear optimization oracle (as opposed to other methods which require potentially much more computationally ......

Zoom link: https://technion.zoom.us/j/99430341130
Georg Simon Ohm (16 March 1789 – 6 July 1854)
Bavarian (German) physicist and mathematician

Ohm found that there is a direct proportionality between the potential difference (voltage) applied across a conductor and the resultant electric current. This relationship is known as Ohm's law:

\[ I = \frac{V}{R} \quad \text{or} \quad V = IR \quad \text{or} \quad R = \frac{V}{I}. \]
Dr. Yaniv Romano, New Faculty Member

Research Areas and Interest:

Data Science and Machine Learning; Reproducibility, Reliability, and Fairness in Modern Machine Learning; Data-Driven Inference; Deep Neural Representations; High-Dimensional Statistics; Image Processing and Computer Vision

Returning from a Post-Doc at Stanford University
Online Summer School on “Privacy in Challenging Times”
September 7-10, 2020
Zoom

The 8th Summer School on Cyber and Computer Security
PRIVACY IN CHALLENGING TIMES
SAVE THE DATE
07-10.09.2020 @ Zoom | Technion

Confirmed Speakers:
Keynote Speaker: Ross Anderson, University of Cambridge, UK
Keynote Speaker: Susan Landau, Tufts University, USA
Alessandro Acquisti, Carnegie Mellon University, USA
Michael Birnbaum, Tel Aviv University, Israel
Sofia Celi, Cloudflare Inc, UK
Kamalika Chaudhuri, University of California, USA
Claudia Diaz, KU Leuven, Belgium
Karine Nahon, IDC, Israel
Kobi Nissim, Georgetown University, USA
Paul Sverson, U.S. Naval Research Laboratory, USA
Vanessa Teague, Thinking Cybersecurity and
the Australian National University, Australia
Carmela Troncoso, EPFL, Switzerland
Serge Vaudenay, EPFL, Switzerland

Chairs: Eli Biham and Orr Dunkelman

program and registration, https://cyber.technion.ac.il/2020-summer-school-on-cyber-computer-security/.
Congratulations

The paper: "Control of Energy Storage Devices Under Uncertainty Using Nonlinear Feedback Systems"

co-authored by

Prof. Yoash Levron

Has been awarded the Best Paper Award Winners
2020 Workshop on Machine Learning for Communications (MLCOM)

MLCOM2020 Workshop
7/8 September 2020

Machine Learning for Communications

https://docs.google.com/forms/d/e/1FAIpQLScPNi_p2P5ea-OH1gJkkvafKVWTYTeGwShXwg9K6gJ-BjZ_CA/viewform

Sep 7-8th 2020 at 14:00-20:00
Jerusalem time (UTC+3)
Dr. Nir Weinberger, New Faculty Member

Research Areas:

Information theory and statistical communication, high-dimensional statistics

Research Interest:

Learning theory in communication and information theory, analysis of iterative algorithms in statistics, nonparametric regression, large deviations bounds in information theory and analysis of Boolean functions.

Returning from a post-doc at MIT
הנה הבkeypressי: מילון - אורות מור, לוח - שלמה ידוב
בגן סאן קפיט
לא נא יזאך פוגר
לפיочно עמק כל חוף פאסיו
ה النظر יאשוע על
הเขต הגוך והנטכ
הключа מתחלל בימי הקיפוץ שלבמה חים והאור בסטר
בשם והלילנו והא קצאר ביוסר בושנה
ונמצר בימי שעון שביחמ אורק חום שניאר ליאורכ הלילה
כשאומרים "יש חולה ב-..." זה לא תמיד נכון...
מוחלט שהוא גלוף בעולם החсим
בדר滹 א"ש itch בפריוית:
library@ef.technion.ac.il