Welcome

ברוכים הבאים

اهلًاء وسهلا

לפקולטה להנדסת חשמל

ע”ש אנדרו ורנה ורסבי

Technion
Have a good week
Congratulations

Distinguished Professor Emeritus
Jacob Ziv

has been awarded

The 2021 IEEE Medal of Honor

The IEEE Medal of Honor, awarded annually since 1917, is the highest IEEE award.

"For fundamental contributions to information theory and data compression technology, and for distinguished research leadership."
Congratulations to Prof. David Malah

The paper: “Speech Enhancement Using a Minimum Mean Square Error Short-Time Spectral Amplitude Estimator"


co-authored by Yariv Ephraim and David Malah

has been selected for the 2020 IEEE SPS Sustained Impact Paper Award

December 2020
Pixel Club online talk
Deep into 3DV: Pushing the Boundaries of 3D Vision

Dr. Hadar Averbuch-Elor
Tuesday, 22/12/2020
15:30
Zoom Meeting

3D computer vision has significantly advanced over the past several decades, with modern algorithms successfully reconstructing entire urban cities. However, many questions remain unexplored, as geometric reasoning alone cannot fully infer the connections among images capturing different parts of the scene or semantic relationships between images captured at distant geographic locations. .....
Nikola Tesla (10 July 1856 – 7 January 1943)
Serbian American inventor, electrical engineer,
best known for his contributions to the design of the
modern alternating current (AC) electricity supply system

"Today's scientists have substituted mathematics
for experiments, and they
wander off through
equation after equation, and
eventually build a structure
which has no relation to
reality."

Nikola Tesla

**Significant projects:** Alternating current, high-voltage,
**Significant design:** Induction motor, Rotating magnetic field,
Tesla coil, Radio remote control vehicle (torpedo)

From Wikipedia, the free encyclopedia
Congratulations for completing the PhD!

Dr. Regev Cohen
Advisor:
Prof. Michael Elad

PhD Thesis Title:
Variational Inverse Problems with Application to Medical Ultrasound
Pixel Club online talk
DPDist: Comparing Point Clouds Using Deep Point Cloud Distance

Dahlia Urbach
Technion
M.Sc. seminar
under the supervision of Prof. Michael Lindenbaum

Tuesday, 22/12/2020
11:30
Zoom Meeting

We introduce a new deep learning method for point cloud comparison. Our approach, named Deep Point Cloud Distance (DPDist), measures the distance between the points in one cloud and the estimated surface from which the other point cloud is sampled. The surface is estimated locally and efficiently using the 3D modified Fisher vector representation.
Congratulations for completing the PhD!

Dr. Ori Eyal
Advisor:
Prof. Gadi Eisenstein

PhD Thesis Title:
High speed Quantum Dot lasers and amplifiers – static, dynamic, optical and electrical temperature stability
Storage processors are a new type of acceleration device that offloads centerpiece storage stack functions from legacy software to high-performance hardware. The legacy software paradigms waste flash capacity and performance, pushing the users to deploy expensive and overprovisioned SSDs. …..
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ג'ר, זיא'ן ג'הנג
ставка ח钇יהות ויזואליות
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2020
The computational resource growth in natural science motivates the use of machine learning for automated scientific discovery. However, unstructured empirical datasets are often high dimensional, unlabeled, and imbalanced. Therefore, discarding irrelevant (i.e., noisy and information-poor) features is essential for the automated discovery of governing parameters in scientific environments. ......

https://technion.zoom.us/j/7499390315
Andrey (Andrei) Andreyevich Markov
(14 June 1856 N.S. – 20 July 1922)

Russian mathematician. He is best known for his work on theory of stochastic processes. A primary subject of his research later became known as Markov chains.

His son, another Andrey Andreevich Markov (1903–1979), was also a notable mathematician, making contributions to constructive mathematics and recursive function theory.

From Wikipedia, the free encyclopedia
Communication and Information Theory Seminar

A Single-Letter Upper Bound on the Mismatch Capacity via a Multicasting Approach

Prof. Anelia Somekh-Baruch

Bar-Ilan University

Thursday, 24/12/2020
14:30
Zoom Room

The question of finding a computable (single-letter) formula for the mismatch capacity, which is the highest achievable rate of reliable communication when the receiver uses a sub-optimal decoding rule, has been a long standing open problem. This question has many applications in communications, Information-Theory, and Computer Science. ...

Zoom link: https://technion.zoom.us/j/97122608919
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An important challenge in visual scene understanding is the recognition of interactions between objects in an image. This task - often called visual relationship detection (VRD) - must be solved to enable higher understanding of the semantic content in images. VRD can become particularly hard where there is severe statistical sparsity of some potentially involved objects, and the number of many relationships in standard training sets is limited. .....
כשאמרים "יש décembre" זה לא זמן נבון...
מידעlığות עולם והשימש
בחרות אישה לספרים:
library@ef.technion.ac.il