Welcome

ברוכים הבאים

أهلاً وسهلاً

לפקולטה להנדסת חשמל

ע"ש אנדרי ויטרבי וטכניון
Have a good week

17/1/21 ק"ט צה"ב עלפי, זו
כי: נמלט תלטט
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."
The continuous progress of CMOS semiconductor technology fuels the technological revolution towards a smart world that immensely impacts our daily life, work and play. The Internet of Things, personalized healthcare monitoring, autonomous driving, industry 4.0, etc. are but a few examples. Sensors and sensor interfaces with intelligence in the edge play a key role in all applications where the physical and the cyber worlds meet. This presentation will focus on core challenges in the design of future electronic circuits for such applications, where cost, power and reliability are major issues besides raw performance. The key to achieve solutions with small area (cost) and low power is to design the analog functions in a highly digital manner. Also ways to build intelligence in the edge will be discussed. This will be illustrated with some practical design examples.

**Abstract**

**ACRC WEBINAR**

“Sensor interfacing in the edge: small, sound, smart!”

Tuesday, January 19, 2021
11:00-12:30, online ZOOM session
Registration is free. Please register here:
http://acrc.net.technion.ac.il/registration-georges-gielen/
Zoom link: to be provided after registration

Prof. Georges Gielen
KU Leuven, Belgium

**Tuesday, January 19, 2021 at 11:00 (I S T)**
http://acrc.net.technion.ac.il/registration-georges-gielen/

ACRC – Advanced Circuit Research Center
acrucat 3344333431

December 2020
Offchain networks are dominant as a solution to the scalability problem of blockchain systems, allowing users to perform payments without their recording on the chain by relying on predefined payment channels. Users together with the offchain channels form a graph, known as the offchain network topology. ......
Blaise Pascal (19 June 1623 – 19 August 1662)

French mathematician, physicist, inventor, writer and Catholic philosopher.

The intersections of the extended opposite sides of hexagon ABCDEF (right) lie on the Pascal line MNP (left).

A change in pressure at any point in an enclosed fluid at rest is transmitted undiminished to all points in the fluid.

\[
(x + y)^n = \sum_{k=0}^{n} \binom{n}{k} x^{n-k} y^k
\]

Each number in the triangle is the sum of the two directly above it.

In faith there is enough light for those who want to believe and enough shadows to blind those who don't.

"All human evil comes from a single cause, man's inability to sit still in a room."

From Wikipedia, the free encyclopedia.
Signal Processing and Systems (SP&S) Seminar
Joint Geometric and Topological Analysis of Hierarchical Datasets

M.Sc candidate
under the supervision of
Prof. Omer Bobrowski
and Prof. Ronen Talmon

Lior Aloni

Wednesday, 20/1/2021
14:30
Zoom meeting

In a world abundant with diverse data arising from complex acquisition techniques, there is a growing need for new data analysis tools and frameworks. Our focus is on high-dimensional data that are organized into several hierarchical datasets, where each dataset consists of complex samples, and every sample has a distinct irregular structure modeled by a graph.

Zoom link: https://technion.zoom.us/j/96390522948
Congratulations to Professor Nir Tessler has been selected as An Honorary Fellow of the Chinese Chemical Society

This honorary appointment is limited to 100 individuals worldwide. It is “only granted to the most distinguished chemists from around the world who have made significant contributions to the advancement of chemistry, as well as to the development of chemistry in China and the Society”.

December 2020
Guest Lecture

Tech Talk

Static timing analysis in contemporary VLSI design
This talk is given as a part of the "logic CAD of VLSI" course

Dr. Konstantin Moiseev

Thursday 21.01.2021 10:00

Apple Design Center in Herzlia, Israel

Organizer: Dr. Leonid Yavits and Mor Dahan

For many years, signal propagation delay in logic gates was the main contributor to the circuit delay. With the advance of VLSI technology – shrinking device dimensions, increasing device density and complexity of the circuits, and photolithography difficulties – the accurate timing analysis has become a very complicated process. .........

Zoom link: https://technion.zoom.us/j/96894630342
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
Benjamin Franklin (171, 1, 1706 – 174, 1, 1790)

One of the Founding Fathers of the United States and in many ways was "the First American"

As a scientist, he was a major figure for his discoveries and theories regarding electricity.

Benjamin Franklin saw the connection between the tiny electric sparks from a sulfur ball and the huge sparks of lightning – they were both flows of electric "fluid." He proved his point in his famous experiment where the moist cord from a kite flying in a thundercloud conveyed the electrical charge in the thundercloud to earth.

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
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
כ הרך
השמש עלﮫעה הרך
השמש מתפרס על הרך
הרן - וור
הרן - ציר ליבש
מעיל ילהרוכ
אשש מתפרס על הרך
הרן - וור

ג'ז גוב
פסקל: יואל ל[src]ו
صح: אבנר קיור

(21.12–21.3)
בשערותינו "יש דברי ב... זה לא תמייך ב... מומן לגלות עולמות חדשנים בדורות אישיית בסיום:
library@ef.technion.ac.il