

# Advanced Communications Center Annual Workshop & Feder Family Award Ceremony

Tuesday, March 3<sup>rd</sup>, 2020

The Steinhardt Museum of Natural History, 12 Klausner Street, Tel Aviv University

08:45-09:00		Registration & coffee	
Welcome and ACC overview			
09:00-09:20	Yossi Rosenwaks • Dean, Faculty of Engineering, Tel Aviv University Ofer Shayevitz • Head of The Advanced Communications Center		
09:20-10:10	Richard Baraniuk • Rice University Mad Max: Affine spline insights into deep learning		
10:10-11:00	Assaf Touboul • Qualcomm What is in the future of 5G?		
11:00-11:30		Coffee Break	
11:30-12:20	Ram Zamir • Tel Aviv University On the superiority of equiangular tight frames		
The Feder Family Award for Best Student Work in Communications			
12:20-12:40	Ceremony	Yaron Oz • Rector, Tel Aviv University Yossi Rosenwaks • Dean, Faculty of Engineering Mark Shtauf • Head, School of Electrical Engineering Meir Feder • School of Electrical Engineering	
12:40-13:00	1 <sup>st</sup> place winner: Roy Zektzer • Hebrew University Integration of nanophotonic structures with atoms and molecules for on-chip frequency reference and all optical modulation		
13:00-14:00		Lunch	
14:00-14:50	Gil Kalai • IDC & Hebrew Univerity The argument against quantum computers and the recent Google's "supremacy" demonstration		
14:50-15:10	Joint 2 <sup>nd</sup> place winner: Elad Domanovitz • Tel Aviv University Diversity combining via universal dimension-reducing space-time transformations		
15:10-16:00	Emina Soljanin • Rutgers University Diversity vs. parallelism in distributed computing with redundancy		
16:00-16:30		Coffee Break	
16:30-16:50	Joint 2 <sup>nd</sup> place winner: Assaf Ben-Yishai • Tel Aviv University Interaction in Gaussian and binary channels		
16:50-17:40	Tal Pupko • Tel Aviv University A machine-learning approach to detect bacterial protein functions		
17:40 -		Cocktail	