

Program for SPD8 - May 20, 2021

Plenary talk: 9:30-10:30

Prof. Misha Sodin, Tel Aviv University: **Power series with random and pseudo-random coefficients**

Morning session 1:

10:45–11:00	Andrea Sartori	TAU	Expected nodal volume for random non-gaussian band-limited functions
11:00–11:15	Roy Shmueli	TAU	The expected number of roots of random polynomials over the field of p-adic numbers
11:15–11:30	Oren Yakir	TAU	Random polynomials near the unit circle

Morning session 2:

11:45–12:00	Michael Chapman	HUJI	New cutoff results
12:00–12:15	Pengfei Tang	TAU	Two conjectures about return probability on transient, transitive graphs
12:15–12:30	Shaked Leibziner	Technion	On the eigenvalues in the Linial–Meshulam model

Lunch break 12:30–14:00

Afternoon session 1:

14:00–14:15	Sarai Hernandez-Torres	Technion	The time constant of finitary interlacements
14:15–14:30	Daniel Hadas	TAU	Random high-density packings of 2x2 tiles on the square lattice
14:30–14:45	Paul Dario	TAU	Localization and delocalization for random-field random surfaces
14:45–15:00	Chanwoo Oh	Technion	Metastability of zero range processes via Poisson equations
15:00–15:15	Keren Mor	TAU	On the zeros of hyperbolic Gaussian Analytic functions
15:15–15:30	Shay Sadovsky	TAU	Transportation with obstacles: Optimal transport for non-traditional costs

Coffee break 15:30–16:00

Afternoon session 2:

16:00–16:15	Eyal Castiel	Technion	Fluid limits of Queue-based CSMA, homogenization and reflection
16:15–16:30	Inbar Seroussi	WIS	Lower Bounds on the Generalization Error of Neural Network algorithms
16:30–16:45	Zhenyao Sun	Technion	Noise effect on the speed of stochastic reaction-diffusion equation with Holder drift
16:45–17:00	Ohad Klein	BIU	On the distribution of randomly signed sums
17:00–17:15	Peter Ralli	WIS	Graph powering and generalized Ramanujan graphs
17:15–17:30	Lior Tenenbaum	Technion	Asymptotic number of trees in random Steiner complexes