



מכון ויצמן למדע

WEIZMANN INSTITUTE OF SCIENCE

STATISTICAL MECHANICS DAY XII

December 30, 2020

09:30 to 13:30

Weizmann Institute of Science

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|---------------------|---------------------------------------------------------------------------------------------------------|
| 09:30 – 09:40 | Opening Remarks |
| 09:40 – 10:00 | Michal Shavit, WIS
Singular Measures and Information Capacity of Turbulent Cascades |
| 10:00 – 10:20 | Ido Tishbi, HUJI
First Passage Properties of Random Walks on Random Regular Graphs |
| 10:20 – 10:40 | Ido Levin, HUJI
Oscillating membranes: modeling and controlling autonomous shape-transforming sheets |
| 10:40 – 11:00 | Biswarup Ash, WIS
Thermal conductance of one-dimensional disordered harmonic chains |
| 11:00 – 11:20 | Sunghan Ro, Technion
The impact of quenched disorder on scalar active matter |
| <i>Break</i> | |
| 12:00 – 12:20 | Geva Galor, TAU
Tuning of effective temperature with random optical forces |
| 12:20 – 12:40 | Sara Kostinski, TAU
Bacterial growth laws from ribosome biogenesis |
| 12:40 – 13:00 | Merav Stern, HUJI
Multiple Timescales of Spontaneous Activity in Recurrent Networks with Clusters |
| 13:00 – 13:30 | Daniel Hexner, Technion
Trainable and Retrainable materials. |

Zoom link :

<https://weizmann.zoom.us/j/95769284090?pwd=ekp2Wk5YR0pyLzZNRWVycnZnYVdTUT09>

Organizers : David Mukamel
Oren Raz