



Workshop on
Current Trends in Transport Phenomena, Signal Processing and Data Analysis
January 2, 2019

The Applied and Computational Mathematics community is invited to participate in this workshop either by attending or by taking part in the discussion. We hope that this new format will lead to a stimulating discussion (we have allocated an ample time for that) which will engage the crowd of participants.

Organized by:

- Eitan Tadmor, University of Maryland
- Edriss S. Titi, Weizmann Institute, and Texas A&M University

Registration (<https://goo.gl/forms/yNCF2kdShHo6JLay1>) is free (deadline December 28th, 2018)

Venue: Weizmann Institute of Science, Ziskind Building Room 155.

Program

10:00 - 10:30	Boaz Nadler, Weizmann Institute <i>"Unsupervised Ensemble Regression: Making Accurate Predictions"</i>
10:30 - 11:00	Discussion
11:00 - 11:30	Claude Bardos, Université Denis Diderot, Paris <i>"Scalings and Stability for the Vlasov Equation"</i>
11:30 - 12:00	Discussion
12:00 - 12:15	Coffee Break
12:15 - 12:45	Yoel Shkolnisky, Tel Aviv University <i>"Mathematical Opportunities and Challenges in Electron Microscopy"</i>
12:45 - 13:15	Discussion
13:15 - 14:45	Lunch Break
14:45 - 15:15	Gershon Wolansky, Technion <i>"Limit Theorems in Optimal Transport Theory and Application to Optimal Networks"</i>
15:15-15:45	Discussion
15:45-16:15	Eitan Tadmor, University of Maryland <i>"Graphs and Games in Short-range Interactions"</i>
16:15-16:45	Discussion
16:45-17:00	Coffee Break
17:00-18:00	Concluding Discussion