



**Combinatorial Probability
Virtual Opening Workshop
January 14-15 and 19, 2021**

SCHEDULE

Virtual – All times Eastern Standard Time (NY)

Thursday January 14

- 9:45 Welcome and Opening Remarks – **David Banks** (SAMSI/Duke)
- 10-11 **Elchanan Mossel**, MIT
Shotgun Assembly of Graphs: Old Results, New Results, and Open Problems
- 11-12 **Oanh Nguyen**, University of Illinois
Epidemics on Random Networks
- 12-1 Break
- 1-2 **Peter Winkler**, Dartmouth University
Large Permutations
- 2-3 **Christopher Hoffman**, University of Washington
Random Stable Matchings
- 3 pm Adjourn

Friday January 15

- 10-11 **Gabriele Sicuro** and **Lenka Zdeborova**, EPFL
The Planted K -factor Problem
- 11-12 **Louigi Addario-Berry**, McGill University
Extremes in Random Trees
- 12-1 Break
- 1-2 **Persi Diaconis**, Stanford University
A Course in Probabilistic Combinatorics
- 2-3 **Yun Wei**, SAMSI
A Unified Framework for Correlation Mining in Ultra-high Dimension
- 3 pm Adjourn

Tuesday, January 19

- 10-11 **Robin Pemantle**, University of Pennsylvania
Enumeration via Large Deviation Theory
- 11-12 **Matthew Kahle**, Ohio State University
Random Simplicial Complexes
- 12-1 Break
- 1-2 **Allan Sly**, Princeton University
Local Functions for the Ising Model on the Tree
- 2-3 **Prasad Tetali**, Georgia Tech
Catalan Shuffles, Concentration and Related Problems
- 3 pm Adjourn