

THE 44TH MIDWEST PROBABILITY COLLOQUIUM

October 12-14, 2023, Northwestern University

Thursday, October 12, 2023 (Room 107, Swift Hall, 2021 Sheridan Road, Evanston)

(Chair: Elton Hsu)

3:30PM -- 4:00PM Registration

4:00PM -- 5:00PM **Ramon van Handel (Princeton University)**

A New Approach to Nonasymptotic Random Matrix Theory, I

5:00PM -- 5:25PM Coffee and Refreshments

5:25PM -- 6:25PM **Ramon van Handel (Princeton University)**

A New Approach to Nonasymptotic Random Matrix Theory, II

Friday, October 13, 2023 (Room G21, Annenberg Hall, 2120 Campus Drive, Evanston)

(Chair: Tai Melcher)

12:00PM -- 2:00PM Women in Probability Lunch (at a local restaurant to be announced)

(Chair: Greg Lawler)

2:50PM -- 3:30PM Registration

3:30PM -- 4:30PM **Pablo Ferrari (University of Buenos Aires)**

Hidden Temperature in the KMP Model

4:30PM -- 5:00PM Coffee and Refreshments

5:00PM -- 6:00PM **Sandra Cerrai (University of Maryland)**

The Smoluchowski-Kramers Diffusion Approximation for Constrained Stochastic Wave Equations

6:30PM -- 8:30PM Reception (open to all registered participants, Room 108, Harris Hall, 1881 Sheridan Road)

Saturday, October 14, 2023 (Room 107, Swift Hall, 2021 Sheridan Road, Evanston)

(Chair: Reza Gheissari)

8:30AM -- 9:00AM Continental Breakfast

9:00AM -- 10:00AM **Pablo Ferrari (University of Buenos Aires)**

Soliton Decomposition of the Zigzag Random Walk

10:00AM -- 10:30AM Coffee and Refreshments

10:30AM -- 11:30AM **Sumit Mukherjee (Columbia University)**

Permutation Limits

(Chair: Antonio Auffinger)

11:30AM -- 11:50AM Business Meeting (open to all participants)

1:30PM -- 2:30PM **Arnab Sen (University of Minnesota)**

Some Results on Levy Spin Glasses