



BRIN MATHEMATICS
RESEARCH CENTER

Workshop: Rare Events: Analysis, Numerics, and Applications

FEBRUARY 27, 2023 - MARCH 3, 2023

Speakers

Andrew Ballard, DeepMind
Greg Bowman, Wash University St. Louis
Pilar Cossio, Flatiron Institute, New York
Aaron Dinner, University of Chicago
Ron Elber, University of Texas, Austin
Andrew Ferguson, University of Chicago
Todd Gingrich, Northwestern University
Carsten Hartmann, BTU Cottbus
Xuhui Huang, University of Wisconsin
Bettina Keller, Free University Berlin
Yannis Kevrekidis, Johns Hopkins
Peter Koltai, Free University Berlin
Benedict Leimkuhler, University of Edinburgh
Tony Lelièvre, Ecole des Ponts Paris
Katie Newhall, University of North Carolina
Weiqing Ren, National University of Singapore
Grant Rotskoff, Stanford University
Benoit Roux, University of Chicago
Sapna Sarupria, University of Minnesota
Konstantinos Spiliopoulos, Boston University
Gabriel Stoltz, Ecole des Ponts Paris
Hugo Touchette, Stellenbosch University
Omar Valsson, University of North Texas
Eric Vanden-Eijnden, New York University
David Wales, Cambridge University

Organizers

Maria Cameron, University of Maryland
Pratyush Tiwary, University of Maryland

About the Workshop

Events occurring rarely on the timescale of the system affect the system the most dramatically. Often they are associated with transitions from one metastable state to another. The study of rare events is of great importance and of great challenge as their direct simulation is exceedingly difficult due to long waiting times.

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