## Seminar/Talk

# Travelling through (near) critical Ising and dimer models

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Host: Laszlo Erdös & Jan Maas

In this talk, I will present a new differential approach to understanding how the large-scale geometry of (near-)critical Ising and dimer models evolves as their coupling constants are moved continuously. When this evolution is driven by random perturbations, the question connects to the stability of certain stochastic differential equations (SDEs), allowing the construction of (near-)critical random-bond Ising and dimer models whose critical window in a random environment is significantly larger than in the deterministic setting.The talk is based on arXiv:2509.08928 and ongoing work with Benot Laslier and Mikhail Basok.

**Monday, April 20, 2026 04:00pm - 05:00pm**
Central Bldg / O1 / Mondi 2a (I01.O1.008)

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