ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE DOCTORAL SEMINAR

Problems in random tree algorithms and random spatial permutations

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Chaired by Verena Schwarz | Department of Statistics

Wednesday, 14 May 2025 | 10:00–10:50

N.2.35

ABSTRACT

I will discuss two problems from applied probability theory. The first concerns the analysis of tree algorithms arising in large-scale random access systems. The second involves the occurrence of long cycles in the Feynman representation of the Bose gas and their connection to Bose–Einstein condensation. The talk will emphasize background, key mathematical ideas, and open questions, with minimal focus on technical proofs. No strong background in probability theory required.

We hope to see you there!