ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

Invitation to the Doctoral Seminar

Sen. Lecturer Dr. Quirin Thomas Simon Vogel, MSc MSc
University of Klagenfurt

"Problems in random tree algorithms and random spatial permutations"

N.2.35 | Wednesday, 14 May 2025 | 10:00 a.m.

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.

Verena Schwarz and the Department of Statistics look forward to seeing you at the talk!