ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE COLLOQUIUM

Patterns in combinatorial structures: Permutations, lattice paths, geometric graphs. (Habilitationskolloquium)

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Chaired by Angelika Wiegele | Department of Mathematics

Monday, 30 May 2022 | 10:00–11:30

HS 2

ABSTRACT

In this talk, I will demonstrate how methods of analytic combinatorics can be applied to enumerative problems related to pattern avoidance in geometric and combinatorial structures. I will illustrate these methods by examples that involve permutations, lattice paths, triangulations and rectangulations. Their study was motivated by various areas of theoretical computer science, such as sorting algorithms, finite automata and formal languages, discrete and computational geometry.

We hope to see you there!