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## Invited lecture 3 : The combinatorics of alternating sign matrices

*Wednesday 19 November 2025 15:30 (1 hour)*

An alternating sign matrix is a square matrix in which each entry is -1, 0 or 1, and along each row and column the nonzero entries alternate in sign, starting and ending with a 1. In this talk, I will discuss various intriguing combinatorial results involving these matrices and related objects.

**Presenter:** BEHREND, Roger (Cardiff University)