
Jefferey-Williams Prize
Prix Jefferey-Williams

GORDON SLADE, University of British Columbia
Self-avoiding walk, spin systems and renormalisation

The subject of critical phenomena in statistical mechanics is a rich source of interesting and difficult mathematical problems that touch on combinatorics, probability, and mathematical physics. Self-avoiding walks and lattice spin systems provide fundamental examples. This talk will address recent progress in computing critical exponents for these models, using a rigorous renormalisation group method.