



Colloquia in Combinatorics

The fifteenth year of the two-day Colloquia in Combinatorics took place online from 11-12 May 2022. This event was jointly hosted by QMUL and LSE.

Programme

Wednesday 11 May

10:00	Tea/coffee
10:30	Mathilde Bouvel (LORIA, CNRS) Limits of permutations and graphs avoiding substructures
11:20	Nóra Frankl (Alfréd Rényi Institute of Mathematics) Max norm Ramsey theory
	Lunch break
13:40	Julian Sahasrabudhe (Cambridge) The singularity probability of random symmetric matrices
14:30	Florian Frick (CMU/FU Berlin) Hyperplane partitions and transversals)
	Coffee break
15:50	Laura Sanità (Eindhoven) On the Simplex method for 0/1 polytopes
16:40	Alexander Holroyd (Bristol) Finitely dependent colouring

Thursday 12 May

10:00	Tea/coffee
10:30	Matthew Kwan (IST Austria) High-girth Steiner triple systems
11:20	Maura Paterson (Birkbeck) The combinatorics of authentication with perfect secrecy
	Lunch break
13:40	Angelika Steger (ETH Zurich) The multi-arm bandit problem
14:30	Alex Scott (University of Oxford) Induced subgraphs of induced subgraphs of large chromatic number
	Coffee break
16:40	Amin Coja-Oghlan (Dortmund) The full rank condition for sparse random matrices
17:30	Reception

This event was supported by [LMS](#) and [BCC](#).