Workshop on Extremal and Probabilistic Combinatorics

University of Birmingham
21-23 September 2015

Talks take place in **LRA** and, on Tuesday afternoon, in **LRC**. Both are located on the ground floor of the mathematics building (Watson Building, R15 on the campus map).

All talks are 30 minutes (plus time for questions)

Monday 21st September

LRA

9:00	Dhruv Mubayi	*Hypergraph Ramsey numbers: Tight cycles versus cliques*
9:40	Julia Böttcher	*Making spanning graphs*
10:20	Coffee (Postgraduate seminar room 222, 2nd floor)	
10:50	Oleg Pikhurko	*Perfect stability from flag algebra proofs*
11:30	Asaf Ferber	*Online sprinkling and packing problems*

LRA

14:00	Benny Sudakov	*Cycles in triangle-free graphs of large chromatic number*
14:40	Alexey Pokrovskiy	*Rainbow matchings and rainbow connectedness*
15:20	Coffee (Postgraduate seminar room 222, 2nd floor)	
15:50	Roman Glebov	*On the number of 1-factorizations*
16:30	Michael Krivelevich	*Rainbow Hamilton cycles in random graphs*

Tuesday 22nd September

LRA

9:00	Daniel Král'	*Finitely forcible combinatorial limits*
9:40	Mihyun Kang	*Asymptotic properties of graphs on orientable surfaces*
10:20	Coffee (Postgraduate seminar room 222, 2nd floor)	
10:50	Peter Allen	*Almost all trees are almost graceful*
11:30	Yury Person	*Universal hypergraphs*

LRC

14:00	Amin Coja-Oghlan	*Probability measures on the cube*
14:40	Yi Zhao	*Minimum vertex degree threshold for tiling complete 3-partite 3-graphs*
15:20	Coffee (Postgraduate seminar room 222, 2nd floor)	
15:50	Lutz Warnke	*Upper tails for arithmetic progressions in random subsets*
16:30	Po-Shen Loh	*Directed paths: from Ramsey to Ruzsa and Szemeredi*

Wednesday 23rd September

LRA

9:00	Wojciech Samotij	*On the number of B_h-sets of a given size*
9:40	Anusch Taraz	*Density, Ramsey and resilience results for graphs of sublinear bandwidth*
10:20	Coffee (Maths learning centre, 1st floor)	
10:50	Konstantinos Panagiotou	*Scaling limits of random subcritical graphs*
11:30	Mark Walters	*Dense random geometric graphs*

LRA

14:00	József Balogh	*On the applications of counting independent sets in hypergraphs*
14:40	Oliver Riordan	*The maximum running time of graph bootstrap percolation*
15:20	Coffee (Maths learning centre, 1st floor)	
15:50	Tibor Szabó	*Sharp thresholds for half-random Maker-Breaker games*