

**Recent Advances in Extremal Combinatorics**  
**3-7 December 2018**  
**University of Oxford**

**Schedule**

**Monday, December 3**

- 9:00 Registration  
9:30-10:10 Asaf Shapira, *Efficient removal without efficient regularity*  
10:10-10:50 Michael Krivelevich, *Complete minors in graphs without sparse cuts*  
10:50-11:20 Coffee  
11:20-12:00 Jozef Skokan, *Decomposing tournaments into paths*  
12:00-2:00 Lunch  
2:00-2:40 Daniela Kuhn, *On a conjecture of Erdős on locally sparse Steiner triple systems*  
2:40-3:20 Lutz Warnke, *Large girth approximate Steiner triple systems*  
3:20-3:50 Coffee  
3:50-4:30 Jacob Fox, *A solution to the Burr-Erdős problems on Ramsey complete sequences*

**Tuesday, December 4**

- 9:30-10:10 Benny Sudakov, *Nearly-linear monotone paths in edge-ordered graphs*  
10:10-10:50 Oleg Pikhurko, *On a conjecture of V.T. Sos on size convergence*  
10:50-11:20 Coffee  
11:20-12:00 Paul Balister, *Covering systems*  
12:00 Lunch

**Wednesday, December 5**

- 9:30-10:10 Mihyun Kang, *Topological aspects of random graphs*  
10:10-10:50 Annika Heckel, *Colouring dense random graphs – when can we use the second moment method?*  
10:50-11:20 Coffee  
11:20-12:00 Frank Mousset, *The upper tail for triangle counts in random graphs*  
12:00-2:00 Lunch  
2:00-2:40 Asaf Ferber, *On the singularity of random symmetric matrices – new approach, new bound*  
2:40-3:20 Rajko Nenadov, *Triangle-factors in pseudorandom graphs*  
3:20-3:50 Coffee  
3:50-4:30 David Ellis, *Families of permutations with a forbidden intersection*

**Thursday, December 6**

- 9:30-10:10 Eoin Long, *Cycle-complete Ramsey numbers*  
10:10-10:50 Alexey Pokrovskiy, *Rainbow tree decompositions*  
10:50-11:20 Coffee  
11:20-12:00 Shoham Letzler, *Dense induced bipartite subgraphs in triangle-free graphs*  
12:00-2:00 Lunch  
2:00-2:40 Peter Allen, *Optimal packings of sparse graphs*  
2:40-3:20 Liana Yepremyan, *On the number of symbols that forces a transversal*

3:20-3:50 Coffee  
3:50-4:30 Yufei Zhao, *A reverse Sidorenko inequality*  
7:15 Dinner at Somerville College, by invitation only

**Friday, December 7**

9:30-10:10 Richard Montgomery, *Spanning spheres in 3-graphs*  
10:10-10:50 Deryk Osthus, *Resolution of the Oberwolfach problem*  
10:50-11:20 Coffee  
11:20-12:00 Dan Král, *Cycles of length three and four in tournaments*