

**Discrete Structures: Harmonic Analysis and Probability**  
**27-28 September 2018**  
**University of Oxford**

**Thursday, 27 September**

- 8:30 Registration  
9:00-10:10 Ryan O'Donnell, *Fooling polytopes*  
10:10-10:40 Coffee  
10:40-11:50 Stefanie Petermichl, *Sparse domination and dimensionless estimates for the Riesz vector*  
11:50-13:00 Alexander Volberg, *What is wrong with square function?*  
13:00-14:30 Lunch  
14:30 -15:40 Sergey Bobkov, *An extended Khinchine's theorem in the Metric Theory of Diophantine Approximations*  
15:40-16:10 Coffee  
16:10-17:20 Paata Ivanisvili, *Markov-Bernstein type estimates on the Hamming cube*

**Friday, 28 September**

- 9:00-10:10 Dario Cordero-Erausquin, *Complex interpolation curves between real Banach spaces and Legendre duality*  
10:10-10:40 Coffee  
10:40-11:50 Mark Rudelson, *Invertibility of adjacency matrices of random graphs*  
11:50-13:00 Franck Barthe, *Spectral gap for some log-concave measures*  
13:00-14:30 Lunch  
14:30 -15:40 Ramon van Handel, *Mixed volumes and the Bochner method*