



# XIV Brunel–Bielefeld Workshop on Random Matrix Theory

Brunel University London – Hamilton Centre

Organisers: G. Akemann (Bielefeld), I. Krasovsky (Imperial), D. Savin (Brunel), I. Smolyarenko (Brunel)

## Friday, 14 December 2018:

08:45 – 09:30	REGISTRATION	Newton Room
09:30 – 10:10	Simone Warzel <i>Hierarchical random matrices and operators</i>	
10:10 – 10:50	Tom Claeys <i>Optimal global rigidity estimates in unitary invariant ensembles</i>	
10:50 – 11:20	COFFEE BREAK	
11:20 – 12:00	Sasha Sodin <i>The KPZ equation and moments of random matrices</i>	
12:00 – 12:40	Ivan Nourdin <i>Asymptotic behavior of large Gaussian correlated Wishart matrices</i>	
12:40 – 14:30	LUNCH BREAK	
14:30 – 15:10	Philippe Loubaton <i>Large random matrix methods for high-dimensional statistical signal processing</i>	
15:10 – 15:50	Tim Rogers <i>Sparse non-Hermitian random matrices</i>	
15:50 – 16:20	COFFEE BREAK	
16:20 – 17:00	Yan Fyodorov <i>On the loss function landscape in the simplest constrained least-square optimization</i>	
17:00 – 19:00	POSTER SESSION & RECEPTION	Newton Room
19:30	DINNER	<i>Zizzi, 223 High St, Uxbridge, tel. 01895 233100</i>

## Saturday, 15 December 2018:

09:20 – 10:00	Giusi Alfano <i>Error exponents in MIMO communications and matrix integrals</i>
10:00 – 10:40	Martin Sieber <i>Eigenvector distribution for certain random matrix models in the intermediate regime</i>
10:40 – 11:10	COFFEE BREAK
11:10 – 11:50	Diane Holcomb <i>On the centered maximum of the Sine-beta process</i>
11:50 – 12:30	Maurice Duits <i>Periodically weighted tilings and (matrix) orthogonal polynomials</i>
12:30 – 14:00	LUNCH BREAK
14:00 – 14:40	Satya Majumdar <i>Rotating trapped fermions in 2d and the complex Ginibre ensemble</i>
14:40 – 15:20	Pierpaolo Vivo <i>Universality of the third-order pushed-to-pulled transition</i>
15:20 – 15:50	COFFEE BREAK
15:50 – 16:30	Antti Knowles <i>Mesoscopic eigenvalue correlations of random matrices</i>

**Poster Presentations:**