

# Workshop on Random Matrices

Halsbury Building (Graduate School) PH 055, Uxbridge Campus

## Monday 17 December:

09:20 { 10:00		<b>registration</b>
10:00 { 11:00	<b>Leonid A. Pastur</b>	<i>On the universality of local eigenvalue distributions</i>
11:00 { 11:30		<b>coffee break</b>
11:30 { 12:05	<b>Arno Kuijlaars</b>	<i>Non intersecting squared Bessel processes</i>
12:05 { 13:05	<b>Martin Zirnbauer</b>	<i>Superconcentration</i>
13:05 { 15:00		<b>lunch break</b>
15:00 { 16:00	<b>Vladimir Kazakov</b>	<i>Matrix models and quantum spin surfaces</i>
16:00 { 16:35	<b>Francesco Mezzadri</b>	<i>Emergent entropy in quantum spin chains with nearest neighbor interaction</i>
16:35 { 17:00		<b>coffee break</b>
17:00 { 17:35	<b>Thomas Guhr</b>	<i>Arithmetic unitary invariant random tridiagonal ensembles and supersymmetry</i>
17:35 { 18:10	<b>Gregory Schehr</b>	<i>Distribution of real roots of random polynomials</i>
18:10 { 19:30		<b>Poster session</b>
20:00		<b>dinner</b>

## Tuesday 18 December:

09:30 { 10:30	<b>Jon Keating</b>	<i>Applications of RMT to Number Theory</i>
10:30 { 11:05	<b>Eugene Strahov</b>	<i>Correction terms for orthogonal and symmetric discrete ensembles</i>
11:05 { 11:35		<b>coffee break</b>
11:35 { 12:35	<b>Alexander Its</b>	<i>The Riemann Hypothesis: A Status Report</i>
12:35 { 13:10	<b>Tom Claeys</b>	<i>The birth of cut in unitary random tridiagonal ensembles</i>
13:10 { 14:45		<b>lunch break</b>
14:45 { 15:20	<b>Oriol Bohigas</b>	<i>Random tridiagonal ensembles and extreme value statistics: some perspectives</i>
15:20 { 15:55	<b>Vladimir Osipov</b>	<i>Non-perturbative Theory of Large Spectral Deviation in <math>G E</math></i>
15:55 { 16:30	<b>David Dean</b>	<i>Large deviations of extreme eigenvalues of random tridiagonal ensembles</i>
16:30		<b>coffee</b>

Poster Presentations:

**Francesco Basile**    *A theorem on the approximation of chirality*