

# XX Brunel – Bielefeld Workshop

## Random Matrix Theory and Applications

13 – 14 December 2024

Eastern Gateway Building, Brunel University London

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The aim of this workshop is to bring together physicists and mathematicians who work in the field of Random Matrix Theory and its applications. The program will contain talks by the invited speakers on Friday and Saturday as well as a poster session. Applications to present a poster are welcome and should be directed to any of the organisers. Support is available to a limited number of both UK and overseas participants presenting a poster as well as to PhD students from the UK. The programme of the workshop will include the following topics:

- **Universalities in Random Matrix Models**
- **Asymptotic Analysis and Free Probability**
- **Quantum Chaos and Number Theory**
- **Applications in Statistical Physics and Complex Systems**

Deadline for requesting participation is **1 November 2024**.

A registration fee of £50 (£25 for students) applies to all workshop participants.

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### Invited Speakers:

Thomas BOTHNER (Bristol), Giorgio CIPOLLONI (Princeton), Alice GUIONNET (Lyon),  
Yan FYODOROV (London), Jon KEATING (Oxford), Arno KUIJLAARS (Leuven),  
Mylene MAIDA (Lille), Anna MALTSEV (London), Pierre LE DOUSSAL (Paris),  
Leonid PASTUR (London), Silvia PAPPALARDI (Cologne), Zeev RUDNIK (Tel Aviv),  
Tatyana SHCHERBINA (Wisconsin), Roland SPEICHER (Saarland), Pierpaolo VIVO (London)

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### Organisers:

Gernot Akemann, Igor Krasovsky, Dmitry Savin, Igor Smolyarenko

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<https://www.brunel.ac.uk/mathematics/research-and-phd-programmes/Random-Matrix-Theory-Workshops>