

XIX Brunel – Bielefeld Workshop

Random Matrix Theory and Applications

18 – 19 December 2023

ZiF - Center for Interdisciplinary Research, Bielefeld University

The aim of this workshop is to bring together physicists and mathematicians who work in the area of Random Matrix Theory in a broad sense. The program will consist of talks by the invited speakers on Monday and Tuesday as well as a contributed poster session. Applications to participate, especially from junior researchers, are welcome and should be directed to the conference office. For informal enquiries please contact any of the organisers. Support is available to a limited number of participants presenting a poster. The programme of the workshop will include the following themes:

- **Universality and Deformations of Random Matrix Ensembles**
- **Fundamental Properties of Complex Quantum Systems**
- **Non-Hermitian Ensembles and 2D Coulomb Gases**
- **Applications to Neural Networks, Deep Learning and Ecology**

Deadline for requesting participation is **31 October 2023**.

Invited Speakers:

Reda CHHAIBI (Toulouse), Aurélia CHENU (Luxembourg), Giorgio CIPOLLONI (Princeton), Tom CLAEYS (Louvain-La-Neuve), Joakim CRONWALL (Lund), Tamara GRAVA (Bristol), Marcel NOVAES (Uberlandia), Pierre MERGNY (Saclay), Alexander MINAKOV (Prague), Ivan PARRA (Leuven), Gregory SCHEHR (Paris), Valentina ROS (Orsay), Bernd ROSENOW (Leipzig), Harriet WALSH (Angers), Aron WENNMAN (Stockholm)

Organisers:

Gernot Akemann, Igor Krasovsky, Dmitry Savin, and Igor Smolyarenko

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<https://indico.physik.uni-bielefeld.de/event/71/>