

## Fourth ZiF Summer School

### Randomness in Physics and Mathematics

# From Integrable Probability to Disordered Systems

01 - 13 August 2022

ZiF - Center for Interdisciplinary Research, Bielefeld University

This international Summer School is building on three previous ZiF Summer Schools, bringing together international PhD students and young postdocs from various areas in mathematics, mathematical and theoretical physics. The participants will take part in 2 intense weeks of 8 interdisciplinary lecture series. These will be presented by 8 distinguished scientists. The school will include exercise sessions lead by the lecturers and offers the opportunity for all participants to present their own work in short contributions. The topics will include the theory of stochastic processes, complex networks, tilings, and integrable spin chains, using advanced mathematical and physics inspired tools as random matrices, partitions, replicas, and Coulomb gases. The three previous events at ZiF in [2013](#), [2016](#) and [2019](#) were rather successful.

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Randomness4

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Schedule

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Lectures + Literature

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Poster

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Faculty of Mathematics

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Faculty of Physics

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Bielefeld Tourism

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Travel information

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#### Speakers:

**Paul Bourgade** (New York, USA)

**Tom Claeys** (Louvain, BEL)

**Ioana Dumitriu** (San Diego, USA)

**Makoto Katori** (Tokio, JPN)

**Mylène Maïda** (Lille, FRA)

**Tomaz Prosen** (Ljubljana, SLO)

**Gregory Schehr** (Paris, FRA)

**Simone Warzel** (München, GER)

#### Convenors:

**Gernot Akemann**, Bielefeld [akemann@physik.uni-bielefeld.de](mailto:akemann@physik.uni-bielefeld.de)

**Friedrich Götze**, Bielefeld [goetze@math.uni-bielefeld.de](mailto:goetze@math.uni-bielefeld.de)

In addition to accommodation and subsistence for all participants we can offer 10 stipends providing travel support. We particularly welcome applications by female participants.

Applications to participate and for travel support are welcome and should be directed to the conference centre ZiF: Ms [Opens window for sending email Marina Hoffmann](#) including a short CV and a letter of recommendation.

The deadline for requesting participation is 6th of May 2022.

There will be a participation fee of 50 Euro

For informal enquiries including the scientific part, please, contact any of the organisers.

Conference Support Service: [marina.hoffmann@uni-bielefeld.de](mailto:marina.hoffmann@uni-bielefeld.de) ; phone: +49 521 106-2768

The event is supported by [ZiF - Zentrum für interdisziplinäre Forschung](#), Universität Bielefeld, Methoden 1, D-33615 Bielefeld, Germany, [SFB1283 Taming uncertainty and profiting from randomness and low regularity in analysis, stochasticx and their applications.](#)