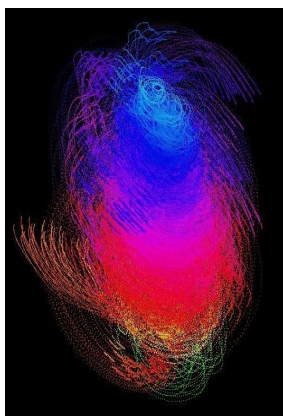


# Mathematical Physics Group

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[Events](#)

[Travel information](#)

[Jobs](#)

[Research Center BiBoS](#)

[Bielefeld Bonn Stochastics](#)

## Upcoming Events:

### 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.

#### *Speakers:*

**Jean-Philippe Bouchaud** (Paris, FRA)

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

**Tom Claeys** (Louvain, BEL)

**Ioana Dumitriu** (San Diego, USA)  
**Makoto Katori** (Tokio, JPN)  
**Mylène Maïda** (Lille, FRA)  
**Simone Warzel** (München, GER)  
**Gregory Schehr** (Paris, FRA)

*Convenors:*

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

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

Please click [here](#) for further details!

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## Previous Events:



==>> **Online Event** <<==

## **XVII Brunel - Bielefeld Workshop**

### **- Random Matrix Theory and Applications -**

**17 - 18 December 2021**

ZiF - Centre for Interdisciplinary Research

[Registration & Weblink](#) [Poster](#)

#### **Organizers:**

*Gernot Akemann (Bielefeld University) - [akemann\(at\)physik.uni-bielefeld.de](mailto:akemann(at)physik.uni-bielefeld.de)*

*Igor Krasovsky (Imperial College London) - [i.krasovsky\(at\)imperial.ac.uk](mailto:i.krasovsky(at)imperial.ac.uk)*

*Dmitry Savin (Brunel University London) - [dmitry.savin\(at\)brunel.ac.uk](mailto:dmitry.savin(at)brunel.ac.uk)*

*Igor Smolyarenko (Brunel University London) - [igor.smolyarenko\(at\)brunel.ac.uk](mailto:igor.smolyarenko(at)brunel.ac.uk)*

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**XVI Brunel – Bielefeld Workshop**  
**Random Matrix Theory and Applications**  
**18 – 19 December 2020**

[!\[\]\(a03a7eb2f4046e1d3c76772003e549ea\_img.jpg\) Website/Registration](#)    [!\[\]\(844169987a590ed8c7e31d5d18950e8d\_img.jpg\) Poster](#)

**Organizers:**

Gernot Akemann (Bielefeld University) - [akemann\(at\)physik.uni-bielefeld.de](mailto:akemann(at)physik.uni-bielefeld.de)

Igor Krasovsky (Imperial College London) - [i.krasovsky\(at\)imperial.ac.uk](mailto:i.krasovsky(at)imperial.ac.uk)

Dmitry Savin (Brunel University London) - [dmitry.savin\(at\)brunel.ac.uk](mailto:dmitry.savin(at)brunel.ac.uk)

Igor Smolyarenko (Brunel University London) - [igor.smolyarenko\(at\)brunel.ac.uk](mailto:igor.smolyarenko(at)brunel.ac.uk)

**XIV Brunel-Bielefeld Workshop**  
**on Random Matrix Theory**

December 14 - 15, 2018

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann (Bielefeld), I. Krasovsky (Imperial College), D. Savin, and I. Smolyarenko (Brunel)

<https://www.brunel.ac.uk/research/News-and-events/Events/XIV-Brunel%E2%80%93Bielefeld-Workshop-or>

**Sums & Products of Random Matrices**

August 27 - 31, 2018

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann (Bielefeld), G. Alfano (Torino), F. Götze (Bielefeld) and M. Kieburg (Bielefeld)

[https://www2.physik.uni-bielefeld.de/SPRM\\_2018.html](https://www2.physik.uni-bielefeld.de/SPRM_2018.html)

## **XIII Brunel-Bielefeld Workshop**

### **on Random Matrix Theory**

December 14 - 16, 2017

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann (Bielefeld), I. Krasovsky (Imperial College), D. Savin, and I. Smolyarenko (Brunel)

<http://www2.physik.uni-bielefeld.de/brunel-bielefeld-workshop2017.html>

## **XII Brunel-Bielefeld Workshop**

### **on Random Matrix Theory**

December 09 - 10, 2016

Brunel University London

organized by G. Akemann (Bielefeld), I. Krasovsky (Imperial College), D. Savin, and I. Smolyarenko (Brunel)

<http://www.brunel.ac.uk/cedps/mathematics/seminars-and-events/ranwshop16>

## **Second ZiF Summer School**

### **Randomness in Physics and Mathematics**

#### **From Spin Chains to Number Theory**

August 8 - 20, 2016

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann and F. Götze (Bielefeld)

<http://www2.physik.uni-bielefeld.de/randomness2.html>

## **Workshop on Random Product Matrices**

**Random Product Matrices - New Developments & Applications**

August 22 - 26, 2016

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by P.J. Forrester (Melbourne), M. Kieburg (Bielefeld) and R. Speicher (Saarbrücken)

[Workshop on Random Product Matrices](#)

## **XI Brunel-Bielefeld Workshop**

**on Random Matrix Theory**

December 10 - 12, 2015

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann and F. Götze (Bielefeld), I. Krasovsky (Imperial College), D. Savin and I. Smolyarenko (Brunel), O. Zeitouni (Warwick)

<https://www2.physik.uni-bielefeld.de/brunel-bielefeld-workshop20150.html>

## **X Brunel-Bielefeld Workshop**

**on Random Matrix Theory**

December 12 - 13, 2014

organized by G. Akemann and F. Götze (Bielefeld), I. Krasovsky (Imperial College), D. Savin and I. Smolyarenko (Brunel)

<http://www.brunel.ac.uk/siscm/mathematical-sciences/seminars-and-events/ranwshop14>

## **IX Brunel-Bielefeld Workshop**

### **on Random Matrix Theory**

December 17 - 19, 2013

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann and F. Götze (Bielefeld), I. Krasovsky (Imperial College), D. Savin and I. Smolyarenko (Brunel)

<http://www2.physik.uni-bielefeld.de/index.php?id=3555>

## **Summer School**

### **Randomness in Physics and Mathematics**

#### **From Quantum Chaos to Free Probability**

August 5 - 17, 2013

ZiF - Center for Interdisciplinary Research, Bielefeld University

organized by G. Akemann and F. Götze (Bielefeld)

<http://www2.physik.uni-bielefeld.de/randomness.html>

## **ZiF Workshop**

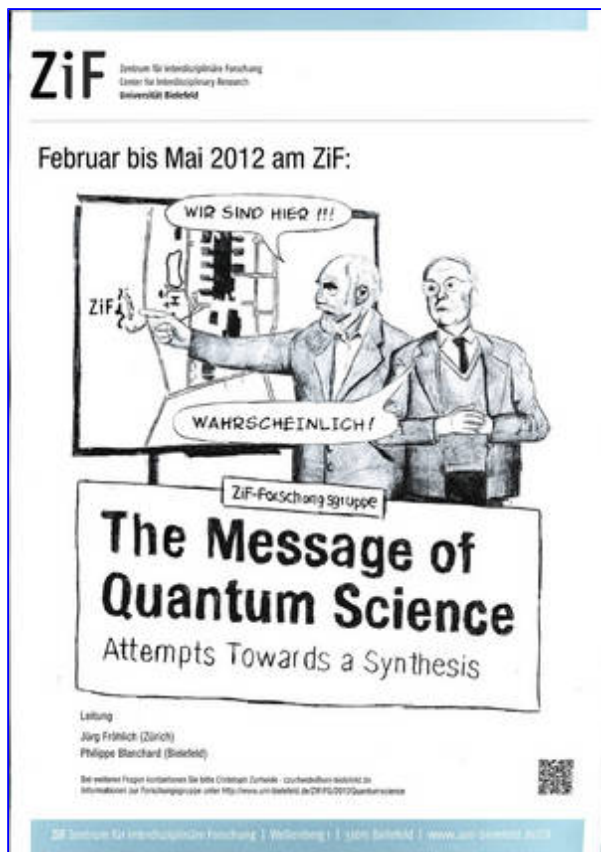
### **Quantum Theory without Observers III**

April 22 - 26, 2013

organized by Ph. Blanchard (Bielefeld), D. Dürr (Munich), M-A. Esfeld (Lausanne), G. Ghirardi (Trieste), S. Goldstein (Piscataway) and T. Maudlin (New York)

<http://www.math.lmu.de/~bohmmech/bielefeld/>

<http://www.uni-bielefeld.de/%28en%29/ZIF/AG/2013/04-22-Blanchard.html>



## VIII Brunel-Bielefeld Workshop on Random Matrix Theory

14 - 15 December 2012

[www.brunel.ac.uk/siscm/mathematical-sciences/seminars-and-events/ranwshop12](http://www.brunel.ac.uk/siscm/mathematical-sciences/seminars-and-events/ranwshop12)