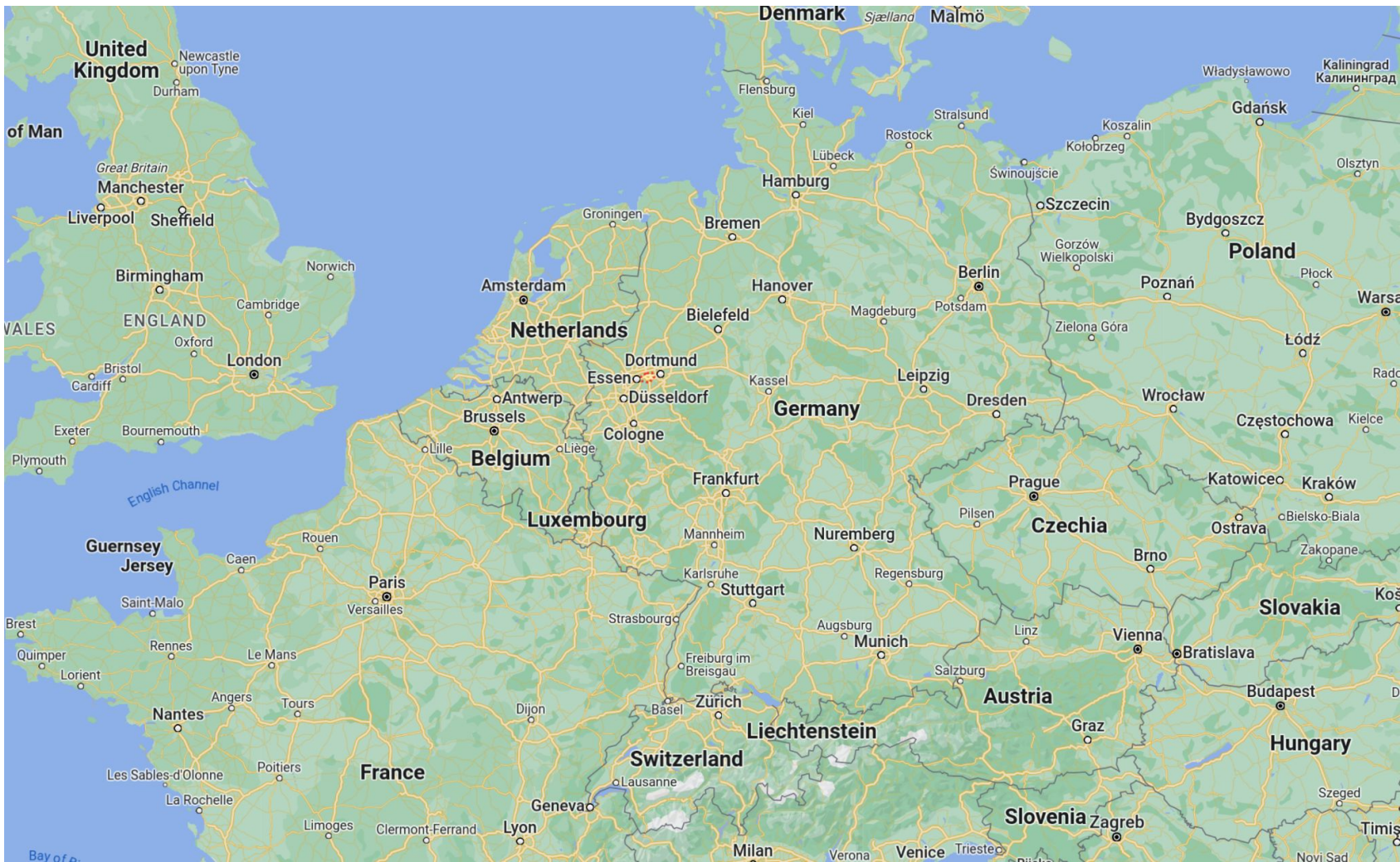


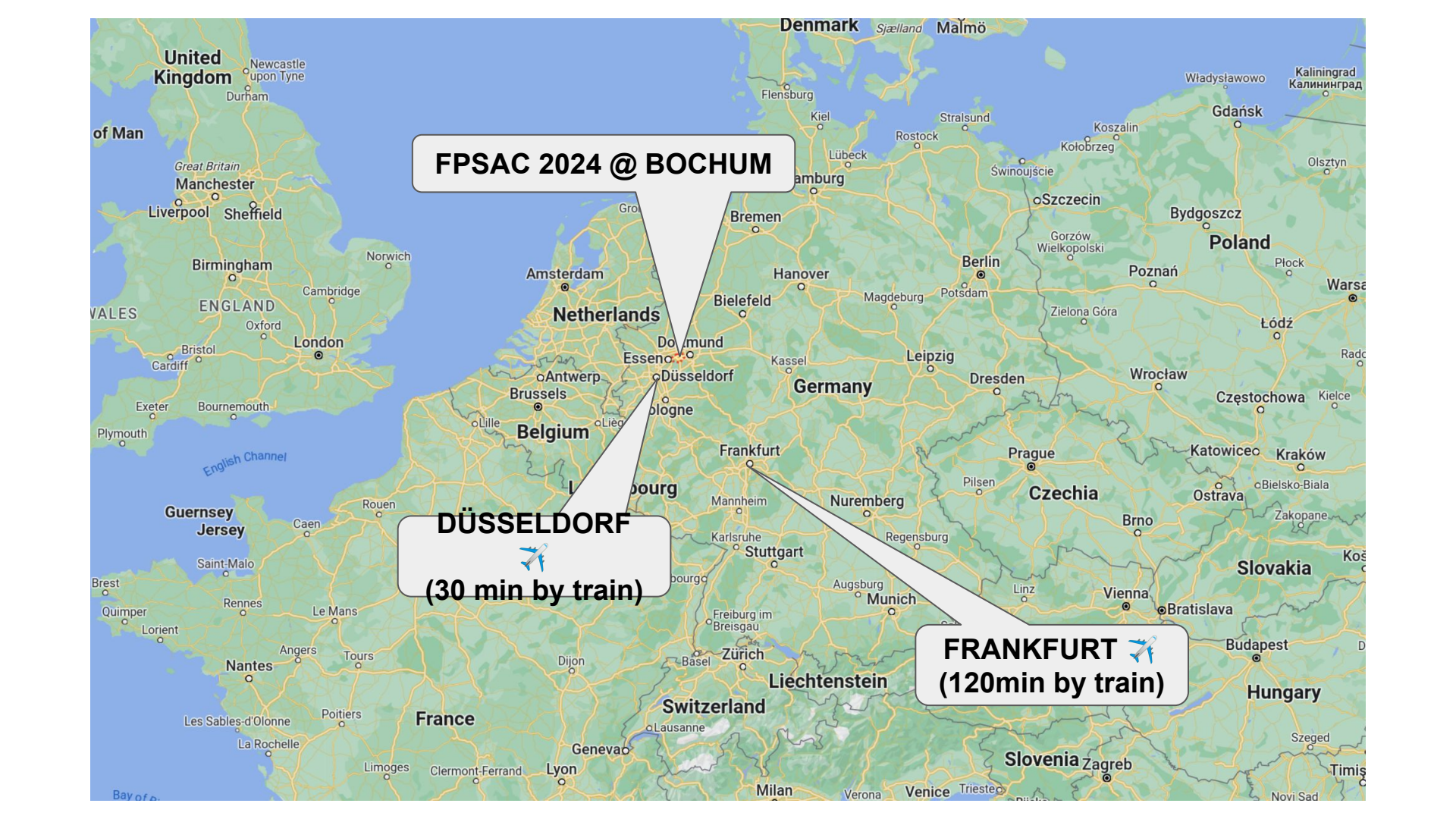


RUHR UNIVERSITY

22-26 July 2024





A map of Europe showing major cities and countries. Three callout boxes are overlaid on the map. The top box, labeled 'FPSAC 2024 @ BOCHUM', points to the city of Bochum in Germany. The middle box, labeled 'DÜSSELDORF (30 min by train)', points to Düsseldorf in Germany. The bottom box, labeled 'FRANKFURT (120min by train)', points to Frankfurt in Germany. The map includes labels for various countries like the United Kingdom, Netherlands, Germany, Poland, France, and Switzerland, as well as numerous cities.

**FPSAC 2024 @ BOCHUM**

**DÜSSELDORF**  
  
**(30 min by train)**

**FRANKFURT**  
  
**(120min by train)**

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## About

This is the the website for the 36th International Conference on Formal Power Series and Algebraic Combinatorics, which will take place in Bochum, Germany in 2024. FPSAC/SFCA is a series of annual international conferences on Formal Power Series and Algebraic Combinatorics (Séries Formelles et Combinatoire Algébrique), first held in Lille (France) in 1988. You can learn more about FPSAC by visiting the [main FPSAC website](#).

If you have any questions about this conference, please email us at [fpsac2024@ruhr-uni-bochum.de](mailto:fpsac2024@ruhr-uni-bochum.de).



**Carolina Benedetti**

Universidad de los Andes, Colombia

Carolina completed her PhD in 2013 at York University and is currently a professor at Universidad de los Andes in Colombia. Her research centers around representation theory and geometry with connections to matroids, polytopes, (quasi)symmetric functions, and Hopf algebras.

# INVITED SPEAKERS



**Michael Joswig**

Technische Universität Berlin & MPI MIS Leipzig, Germany

Michael completed his PhD in 1994 at Eberhard-Karls-Universität Tübingen and is currently a professor at TU Berlin in Germany. His research broadly concerns polyhedral, tropical, and algorithmic geometry with connections to optimization, combinatorial topology, and applications to biology.



**Rosa Orellana**

Dartmouth College, United States

Rosa completed her PhD in 1999 at UCSD and is currently a professor at Dartmouth in the United States. Her research concerns algebraic combinatorics and representation theory.



**Satoshi Murai**

Waseda University, Japan

Satoshi completed his PhD in 2008 at Osaka University. His research concerns combinatorics and combinatorial commutative algebra over polytopes, simplicial complexes, triangulated manifolds, Stanley-Reisner rings, and Lefschetz properties.



**Nicholas Proudfoot**

University of Oregon, United States

Nick completed his PhD in 2004 at UC Berkeley and is currently a professor at the University of Oregon in the United States. His research lies on the boundaries between algebraic geometry, combinatorics, representation theory, and algebraic topology.



**Lisa Sauerermann**

Massachusetts Institute of Technology, United States

Lisa completed her PhD in 2019 at Stanford and is currently a professor at MIT in the United States. Her research primarily concerns extremal and probabilistic combinatorics.



**Markus Reineke**

Ruhr-Universität Bochum, Germany

Markus completed his PhD in 1996 at the Bergische Universität Wuppertal and is currently a professor at RUB in Germany. His research lies in representation theory and algebraic geometry, with applications to quivers, moduli spaces, and motivic invariants.



**Kris Shaw**

University of Oslo, Norway

Kris completed their PhD in 2011 at Université de Genève and is now a professor at the University of Oslo in Norway. Their research lies at the boundary between combinatorics and algebraic geometry.



**Josephine Yu**

Georgia Institute of Technology, United States

Josephine completed her PhD in 2007 at UC Berkeley and is now a professor at Georgia Tech in the United States. Her research concerns algebraic and geometric combinatorics, tropical geometry, as well as computational and combinatorial algebraic geometry.

## PC CHAIRS

Marni Mishna, Brendon Rhoades, Raman Sanyal



Jul 15, 2024 – Jul 19, 2024



### Summer School "Algebraic Combinatorics"

📍 MPI for Mathematics in the Sciences, Leipzig, Germany

🌐 [Website](#)

👥 Sarah Brauner, Christian Stump, Bernd Sturmfels

This summer school is a satellite event of FPSAC 2024 which takes place the week after at Ruhr-University Bochum. Three outstanding speakers (Chris Eur, Greta Panova and Vic Reiner) will present short courses on current topics in Algebraic Combinatorics.

Jul 22, 2024 – Jul 26, 2024



### Formal Power Series and Algebraic Combinatorics (FPSAC 2024)

📍 Bochum, Germany

🌐 [Website](#)

👥 Christian Stump (chair of organizing committee)

One of the world-leading conference series in combinatorics will take place in Bochum (Germany) in 2024. All members of the network and the priority programme are invited to participate and submit their best work.





**FRANKFURT** ✈️  
(120min by train)

🚆 > 🚆 4 hr 43 min

🚆 > 🚆 5 hr 11 min



# combinatorial synergies



## Network for Combinatorial Research in Germany

funded by DFG priority programme SPP 2458 "Combinatorial Synergies"

### Information

#### Contact

- Contact us at [contact@combinatorial-synergies.de](mailto:contact@combinatorial-synergies.de)
- Subscribe to our [mailing list](#)

#### Call for proposals and timeline

- [DFG call for proposals](#) & [timeline](#)

#### Project applications

- Planning a project application ("DFG-Sachbeihilfe") within this priority programme: [please fill out the survey](#)

#### Information for international researchers

- [Information about this program](#)

#### Send us your job application

- Interested in applying for PhD and PostDoc positions within the

### Recent News

16/05/2023

#### Call for proposals

The DFG published the call for proposals within this priority programme, please prepare your proposal according to the principles given there. The deadline for proposals is **September 25, 2023**.

The programme committee organizes a workshop and round table **24 hours of combinatorial synergies** on June 28+29, 2023, funding is available for everybody eligible for DFG funding.

17/04/2023

#### Online orientation session

The first orientation session of the approved priority programme was a great success with 85 online participants.



SEE YOU ALL NEXT SUMMER

@

FPSAC 2024

IN GERMANY

