



TU Clausthal

International Workshop

# Mathematics in the Age of Data

September 8–10, 2025

Institute for Mathematics

Clausthal University of Technology

Clausthal-Zellerfeld, Germany

---

(preliminary) program

---

June 13, 2025

# Mathematics in the Age of Data

In a time of rapidly growing amounts of data, data science plays a central role in modern research and technology. The increasing availability of data is revolutionising the way we do business, the way we develop technology, the way we do research, and the way we live. On the one hand, applied mathematics plays a driving role in this revolution, a fact that is often overlooked by non-experts. On the other hand, the focus on data also provides transformative research questions within the field of applied mathematics.

The goal of this workshop is an in-depth discussion of the current chances and challenges in applied mathematics in the face of the ever-growing amount of available data.

Website and registration:

<https://www.mathematik.tu-clausthal.de/workshop-mathdata>

Organizers: Dominic Breit, Olaf Ippisch, Philipp Öffner, Andreas Potschka, Benjamin Säfken, Andreas Tillmann, Aleksandra Zimmermann

Contact: [mitaod@tu-clausthal.de](mailto:mitaod@tu-clausthal.de)

## Program

The workshop will consist of invited talks, contributed research spotlight talks and poster presentations, with ample time for intensive discussions after talks and throughout.

### Schedule (tentative)

time	Monday Sep. 8	Tuesday Sep. 9	Wednesday Sep. 10
8:30 – 9:30	Registration & Opening	Andreas Prohl	Robert Scheichl
9:30 – 10:30	Andrea Beck	Jan Hesthaven	Alexandre Ern
10:30 – 11:00	Coffee Break	Coffee Break	Coffee Break
11:00 – 12:00	Emily King	David Siska	Lars Schewe
12:00 – 13:00	Sebastian Sager	Hergen Schultze	Maria Han Veiga
13:00 – 15:00	Lunch Break	Lunch Break	Closing & Lunch
15:00 – 16:00	Flore Nabet	Social Event	
16:00 – 17:00	Research Spotlights		
17:00 – 19:00	Poster Session & Drinks		
19:00 –		Conference Dinner	

Titles and abstracts t.b.a.

**Venue**

All talks will take place in the Seminar Room A (B7-209) at the Institute of Mathematics (IfM), Clausthal University of Technology, Erzstr. 1, 38678 Clausthal-Zellerfeld, Germany.

Poster Session location t.b.a.

**Social Event & Conference Dinner**

Details t.b.a.