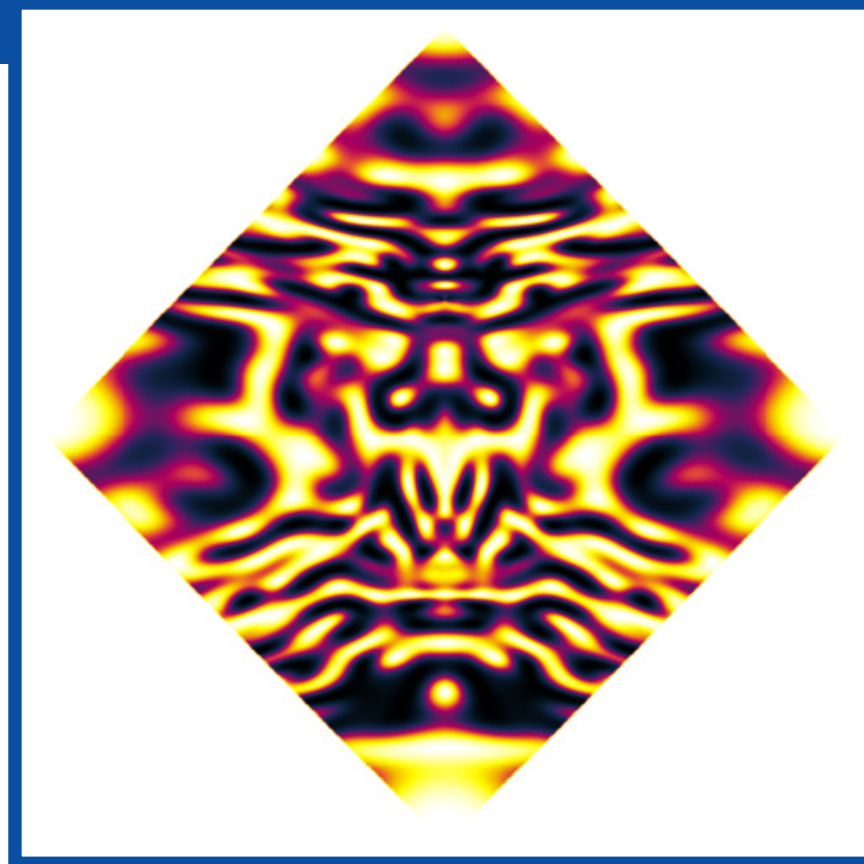


# Future of Ultracold and Ultrafast Dynamics

## International Workshop 21 - 25 October 2024

This workshop offers young researchers who want their ideas to shape the future of the field an opportunity to share their research, participate in vibrant discussions, develop collaborations for immediate projects, and create a scientific network for their later career. A small number of leading researchers are invited to share their perspectives on the past and future of these topics.



### Topics

- Trapped atoms in optical tweezer arrays
- Quantum droplets and supersolids
- Dipolar atoms and molecules
- Ultracold molecules
- Bose and Fermi polarons
- Rydberg atoms and molecules
- Ultracold reactions and collisions
- Quantum simulation
- High-harmonic generation
- Structured Light
- Quantum Light
- Transient absorption
- Time delays

### Perspective Talks

Hans Jakob Woerner (Zurich)  
Ido Kaminer (Haifa)  
Dieter Jaksch (Hamburg)  
Markus Oberthaler (Heidelberg)

### Scientific coordinators

Jan Michael Rost  
MPIPKS Dresden  
  
Matthew Eiles  
MPIPKS Dresden

### Organisation

Anna Anastasiou  
MPIPKS Dresden

Applications received before 15th September 2024 are considered preferentially.

**We plan an on-site workshop. Talks and posters will exclusively be presented on-site.**

Applications are welcome and should be made by using the application form on the website of the event. The number of attendees is limited. The **registration fee** for the international workshop is 200 Euro and should be paid by all participants. Costs for **accommodation and meals** will be covered by the Max Planck Institute. Limited funding is available to partially cover **travel expenses**.

**For further information please contact:**

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