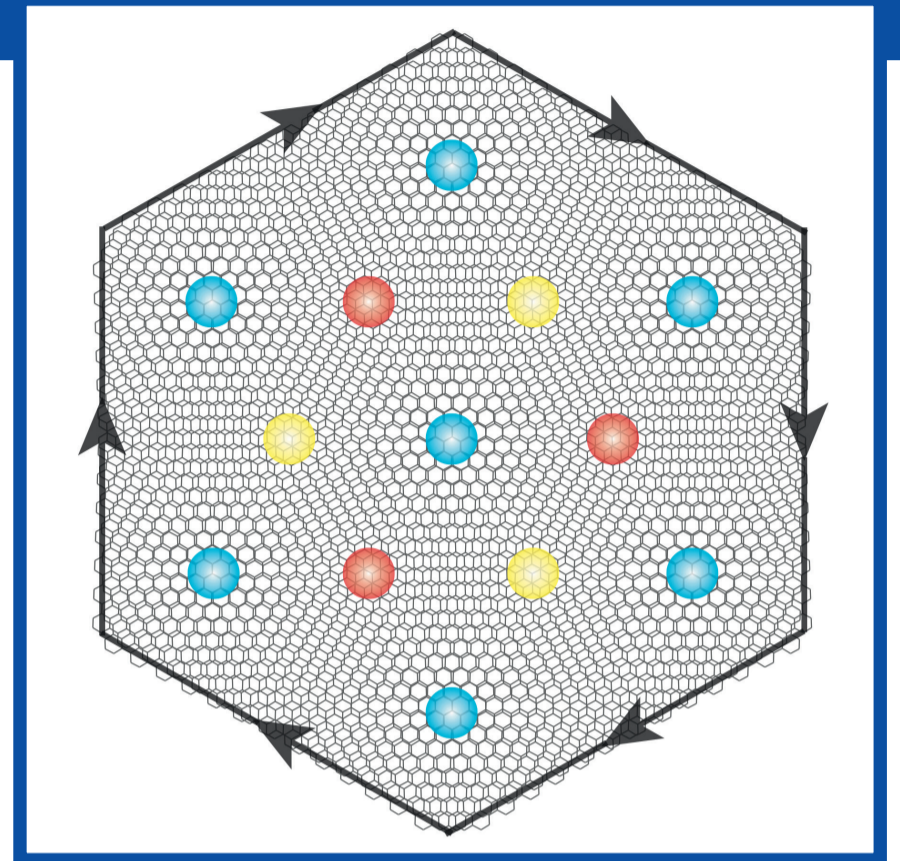


Fractional Quantum Anomalous Hall Effect and Fractional Chern Insulators

International Workshop 5 - 8 February 2024

Exploring the fractional quantum Hall physics at zero magnetic fields is a flourishing research frontier attracting broad interest from both experimental and theoretical communities. This workshop will bring together researchers working on relevant topics to discuss the very recent breaking development and exchange the ideas in this exciting field.



Topics

- Fractional Quantum Anomalous Hall Effect
- Fractional Chern Insulators
- Correlated Topological Phases of Matter
- Moire Superlattices
- First-principle Based Simulation of Interacting Systems
- Field Theory Approaches
- Topological Effects of Cold Atoms
- Topological Flat Bands
- Quantum Geometry
- Fractionalized Quasiparticles

Invited speakers

Emil Bergholtz (SE)
Bogdan A. Bernevig (US)
Xi Dai (HK)
Sankar Das Sarma (US)
Rui-Rui Du (US)
Liang Fu (US)
Mark Oliver Goerbig (FR)
Nathan Goldman (BE)
Long Ju (US)
Tingxin Li (CN)
Nicolas Regnault (FR)
Steven H. Simon (UK)
Ady Stern (IL)
Kai Sun (US)
Oskar Vafek (US)
Di Xiao (US)
Xiaodong Xu (US)

Kun Yang (US)
Wang Yao (HK)
Jun Zhu (US)

Scientific coordinators

Zhao Liu
Zhejiang University,
PR China
Jeroen van den Brink
IFW Dresden, Germany
Yang Zhang
The University of Tennessee,
USA

Organisation

Katrin Lantsch
MPIPKS Dresden

Applications received before 30 November 2023 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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