

### Theory postdoctoral position

The Max Planck Institute for the Physics of Complex Systems in Dresden and Department of Theoretical Physics at the Wrocław University of Science and Technology are looking for a joint postdoctoral fellow. The appointment is for up to 2+2 years (with a possible extension), and will be funded by the Polish National Science Centre (NCN) via the programs "Sonata Bis" through the project "Gapless critical phases," (PI: Piotr Surówka) and by MPI PKS (PI: Roderich Moessner). The position assumes 2 years in Wrocław and subsequently 2 years in Dresden.

The research interests of the groups cover several aspects of effective models in Condensed Matter Theory including

- \* Fractonic Phases of Matter,
- \* Elasticity,
- \* Spin liquids,
- \* Hydrodynamics,
- \* Novel quantum phases of matter,
- \* Dualities in Condensed Matter Systems.

The post-holder will work as part of interdisciplinary teams combining ordinary condensed matter and high energy physics tools. The groups have a wide network of international collaborators, including theorists and experimentalists from the Excellence Cluster Complexity and Topology in Quantum Matter ct.qmat.



The application material should include, in a single pdf file, cover letter, CV, list of publications (please mark 2 most relevant papers with an asterisk), brief statement of research interests and research proposal. Additionally, all applicants are requested to arrange for two confidential reference letters.

**Deadline for applications is 8 January 2023. Please apply via [jobs.ct.qmat@listserv.dfn.de](mailto:jobs.ct.qmat@listserv.dfn.de).**

We are committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from this group.

Furthermore, we seek to increase the number of women in those areas where they are under-represented and therefore explicitly encourage women to apply.