



Ph.D. student/ Postdoc positions in Theoretical Condensed Matter at Uni Würzburg

Theoretical Physics IV (Prof. Ewelina Hankiewicz's group) at Julius-Maximilians-University Würzburg invites applications for postdoctoral and Ph.D. student positions starting as soon as March 2024 or later. The research will be focused on modern problems of Theoretical Condensed Matter Physics including topological states of matter, non-Hermitian systems, Weyl semimetals, quantum transport and time-dependent quantum transport, unconventional superconductivity, electron hydrodynamics as well as quantum anomalies. The position will be funded as the part of the Cluster of Excellence between Würzburg and Dresden "Complexity and Topology in Quantum Matter" ct.qmat. The ctqmat joins experimental and theoretical experts in the condensed matter ranging from topological matter through magnetism and topological photonics.

For Ph.D. students, the average time of employment is 3+1 years. The Postdoctoral appointments will be for a period of two years with the possibility of extension to a third year upon positive evaluation. We are searching for motivated candidates with a strong background and expertise in theoretical condensed matter physics including but not limited to quantum transport in topological materials/superconductors, non-Hermitian systems and electron hydrodynamics. The salary level is determined according to the German public service pay scale TVÖD E13. **Female candidates are very encouraged to apply.**

Theoretical Physics IV (Prof. Hankiewicz's group) at Julius-Maximilians-University Würzburg is internationally known for its research in theoretical condensed matter physics including non-Hermitian systems, superconductivity and quantum transport in topological materials as well as application of quantum field theory in condensed matter physics. Moreover, our group provides a stimulating international research environment with numerous ties to theoretical and experimental groups and scientific visitors each year. See more about our group at <https://www.physik.uni-wuerzburg.de/en/tp4/people/professors/prof-dr-ewelina-m-hankiewicz/>

For more information on the Cluster of Excellence and collaborative research center SFB 1170 please visit:

<https://www.physik.uni-wuerzburg.de/ctqmat>

<https://www.physik.uni-wuerzburg.de/sfb1170/>

Questions about this specific position can be addressed to Prof. Dr. Ewelina Hankiewicz (hankiewicz@physik.uni-wuerzburg.de). Applications are accepted by submitting the application documents (motivation letter, CV, list of publications, a research statement of max. 2 pages length, 2 recommendations) in PDF format to Prof. Dr. Ewelina Hankiewicz (hankiewicz@physik.uni-wuerzburg.de). The deadline for the applications is 30 May 2024. However, the applications will be considered after this deadline until positions are filled.