

Postdoctoral position in theoretical quantum materials

Deadline: 2024-02-24

Contact: agterber@uwm.edu

Location: University of Wisconsin-Milwaukee, Wisconsin, USA

The theoretical condensed matter physics group at University of Wisconsin-Milwaukee (UWM) invites applications for a postdoctoral research position, to work with the research groups of Prof. Daniel Agterberg and Prof. Michael Weinert. The initial appointment is for one year, with renewal for a second-year contingent on satisfactory performance. Applicants should have a PhD in physics or a related field. The theoretical condensed matter group at UWM has active research efforts in condensed matter theory, with expertise in correlations and topology in quantum materials, first-principles electronic structure calculations, superconductivity, and strongly correlated electronic systems. The core group is comprised of 2 faculty (Daniel Agterberg, Michael Weinert), 1 scientist (Tatsuya Shishidou), 1 postdoc (Yue Yu), and 3 graduate students. Our group also collaborates closely with the experimental group of Prof. Lian Li at West Virginia University.

We are recruiting one postdoctoral research associate in quantum materials with an emphasis on superconductivity and magnetism (including multipolar magnetism and altermagnetism). Applicants with backgrounds in quantum materials, density functional theory, quantum geometry, topological band theory, and strongly correlated electron systems are encouraged to apply. The position includes a competitive salary and excellent fringe benefits.

Applicants should send a C.V., publication list, and a brief statement of their research interests by email to agterber@uwm.edu and weinert@uwm.edu.

Applicants should also arrange to have two letters of recommendation sent by e-mail to the above address. Review of applications will begin on February 24, 2024. Questions should also be sent to the above address.

The University of Wisconsin – Milwaukee is an Equal Opportunity, Affirmative Action Employer.