

Postdoctoral Fellowship in Theoretical Condensed Matter & Quantum Optics

RPTU Kaiserslautern-Landau, Germany

We invite applications for a **two-year postdoctoral fellowship** for an outstanding early-career researcher to join the research groups of **Prof. Dr. S. Eggert** and **Dr. I. Schneider** at RPTU University Kaiserslautern-Landau.

With around 17,000 students, more than 300 professorships, and approximately 160 degree programs, the University of Kaiserslautern-Landau (RPTU) is the technical university of the state of Rhineland-Palatinate. As a hub of internationally recognized research, it offers excellent working conditions and career opportunities. Students, researchers, and staff at RPTU experience a cosmopolitan environment and actively help shape the future.

This position offers an exciting opportunity to work at the forefront of theoretical physics, with a focus on condensed matter systems and quantum optics. Our research explores fundamental and timely questions in non-equilibrium dynamics, periodically driven (Floquet) systems, anyons and exotic quasiparticles, and low-dimensional quantum many-body systems.

We are particularly interested in candidates with strong expertise in

- Numerical methods such as MPS/DMRG, and/or
- Analytical field-theoretical approaches including bosonization.

However, we welcome applications from all exceptionally qualified researchers whose interests align with our research directions.

You will become part of a highly collaborative and internationally connected research environment. In particular, the position is embedded in the Collaborative Research Center "Open System Control of Atomic and Photonic Matter" (<https://www.physik.uni-kl.de/oscar/>) where both groups actively contribute.

Your application should include a curriculum vitae, a brief statement of research interests, a list of publications, copies of official transcripts, as well as the contact information of two referees. The application deadline is on **May 1, 2026**.

Further information about our research can be found at <https://www.physik.uni-kl.de/eggert/> and <https://ischneider.physik.rptu.de/>. Please submit your application via email to ischneider@physik.uni-kl.de.