



The Research Training Group

Quantum many-body methods in condensed matter systems

funded by the German Research Foundation (DFG) and hosted by RWTH Aachen University in collaboration with the Research Center Jülich invites applications for

12 doctoral positions.

We offer a stimulating environment to pursue research projects focused on the development of many-body methods and their synergetic application to functional materials and nanoelectronics. The expertise of the participating researchers covers ab initio methods, numerical many-body methods, non-equilibrium techniques, renormalization group methods, and quantum information based approaches. For further information including a selection of possible projects see: www.rtg1995.rwth-aachen.de

We expect a Master's degree in physics, preferably in the field of theoretical condensed matter research, and a strong interest in advanced quantum many-body methods.

We offer 3-year doctoral research positions (75% TV-L E13). The earliest starting date is October 1, 2014.

Applications including a CV, a documentation of academic record and a brief description of the Master thesis project should be sent in a single pdf file to: rtg1995@physik.rwth-aachen.de

RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.