

Philipps



Universität
Marburg

The research group on Optics and Dynamics of Quantum Materials of Prof. Dr. Ermin Malic at the **Department of Physics** is currently accepting applications for two

Research Assistants (PhD students)

The positions are offered for a period of 3 years, if no former times of qualification must be considered. The starting date is 1 January 2021. The position is part-time (75 % of regular working hours) with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13, 75 %).

To the duties belong scientific services in research and teaching, in particular microscopic modeling of moire exciton physics in van der Waals heterostructures in the research group of Prof. Dr. Ermin Malic. Here, quantum mechanical many-particle methods will be applied to develop realistic models to study optics and dynamics in these technologically promising nanomaterials.

The position is limited to a time period deemed adequate for the completion of a doctoral degree. As part of the assigned duties, there will be ample opportunity to conduct the independent scientific research necessary for the completion of a doctorate. The limitation complies to § 2, 1 WissZeitVG.

The successful applicant will hold an MSc-degree or equivalent in Physics. Experience with quantum mechanics, many particle physics as well as numerical evaluation of equations of motion is expected. The candidate is supposed to be self-driven and highly motivated, show initiative, be capable of multi-tasking, and be a team player. It is of advantage if the candidate has already some initial experience with 2D materials.

Feel free to contact Prof. Dr. Ermin Malic at ermin.malic@physik.uni-marburg.de for more information.

We actively support the professional development of junior researchers, e.g. by the offers of Marburg Research Academy (MARA), the International Office, the Higher Education Didactics Office and the Human Resources Development Office.

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGLG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications. Application and interview costs can not be refunded.

Please send your application mentioning registration number fb13-0034-wmz-2020 as a single PDF file to ermin.malic@physik.uni-marburg.de before October 30th 2020.