The Faculty of Mathematics and Natural Sciences at the University of Rostock invites applications for a

**W2-Professorship in „Experimental quantum technologies“**

at the Institute of Physics, at the earliest possible date (within budget considerations).

The University of Rostock invites applications for a professorship in Experimental Physics (W2) devoted to quantum mechanical phenomena with special emphasis on technological applications in communication, imaging, and sensing, e.g. in life sciences. Topics of interest are

- Quantum communication,
- Quantum-enhanced sensing,
- Quantum imaging,
- Photonic quantum technologies,
- Quantum dots,
- NV colour centres,
- Vapour cells.

We are looking for an outstanding scientist who will represent the field of experimental quantum physics with special emphasis on technological applications. The candidate is expected to participate in joint programs of the Institute of Physics and to contribute to the activities of the Department of Life, Light, and Matter within the Interdisciplinary Faculty of the University of Rostock. The teaching comprises courses within the Physics Bachelor and Master Curricula and the international Master Physics of Life, Light, Matter.

For further inquiries, please contact:
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e-mail: stefan.scheel@uni-rostock.de

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Qualifications are as per § 58 of the Higher Education Act of the State of Mecklenburg-Vorpommern (LHG M-V): completed university studies, doctoral degree, post-doctoral thesis („Habilitation“), teaching experience or equivalent qualifications, usually earned within the context of junior professorship.

A special focus is placed on academic achievement and teaching qualifications as well scientific organization and academic administration. For this reason, candidates should describe previous teaching results, ideas regarding future teaching (including didactic lesson planning) and their prior experience in academic and scientific management.

In addition, candidates are expected to have experience and interest in developing programs that can attract and maintain external funding.
The professorship is to be filled according to § 61 LHG M-V as a position with civil servant status for life, or, if applicable, for 5 years. It is also possible to fill the position as a regular state employee.

The University of Rostock is committed to their university management guidelines.

Equal opportunities are part of our personnel policy. The announcement is therefore aimed at all persons regardless of their gender (* gender-neutral). Disabled applicants will be given preference if all other qualifications are essentially equal.

The University of Rostock is especially interested in promoting women within the context of § 7 (3) of the Gender Equality Act, and therefore specifically encourages applications from qualified women. Disabled applicants will be given preference if all other qualifications are essentially equal.

Applications with the usual documents (full CV, a complete list of academic and professional background, publications, teaching experience, any additional qualifications, a summary of grants and sponsored research activities and a description of future research plans) should be sent no later than 31 October 2019 to the University of Rostock, Dean of the Faculty of Mathematics and Natural Sciences, Wismarsche Straße 45, 18057 Rostock or by e-mail to dekan.mnf@uni-rostock.de.

The protection of your personal information is very important to us. Therefore, the data collected during the application process will be collected, processed and used in accordance with the relevant data protection rules.

Application costs cannot be reimbursed by the State of Mecklenburg-Vorpommern. We ask you to submit applications only in copy, as they will not be returned after the procedure has been completed.