



Meer Zukunft

The Institute for Visual and Analytic Computing of the Faculty of Computer Science and Electrical Engineering at the University of Rostock invites applications for the position

**Junior Professorship for Intelligent Data Analytics
(salary level W1 with a tenure track for a W2 professorship)**

This professorship is funded by the Tenure Track Programme of the German Federal Government and the Federal States. The position is filled on a temporary basis for a period of three years. An extension for further three years is planned if the evaluation is positive. After the expiry of the fixed-term contract, awarding tenure (W2 professorship) is intended.

The research area of the professorship is the investigation of methods for data-based analysis of complex systems. The development of such methods is a central research focus of the Faculty of Computer Science and Electrical Engineering, and especially of the Institute for Visual and Analytic Computing. Interdisciplinary projects in Rostock in this domain address issues ranging from cell biology, medical diagnostics and marine ecology to enterprise modeling and underwater technology.

To address the potential in this field, we are looking for a young scientist with an excellent track record in one or more of the following areas of computer science:

- Data-driven artificial intelligence and (deep) machine learning,
- Data exploration and data mining in very large data sets,
- Statistical data analysis, statistical learning, and Bayesian methods,
- Data- and knowledge-based modeling of dynamic systems.

We are also interested in young scientists who develop new innovative approaches beyond established data analysis methods in the context of Intelligent Data Analytics, such as

- Mechanisms of statistical relational learning,
- Combination of probabilistic and neural methods for inference in dynamic systems,
- Methods for the synthesis of training data,
- Combination of data- and knowledge-based construction of inference models,
- Explainability and traceability of forecasts,
- Distributed data analysis in compliance with data privacy (Federated Learning).

In addition to the above thematic orientation, experience in acquiring and implementing third-party funded projects as well as experience in academic teaching are desirable. We expect the future job holder to participate in lecturing the academic courses offered by the Institute for Visual and Analytic Computing as well as in research activities in one of the four departments of the Interdisciplinary Faculty of Rostock University.

For further inquiries, please contact:

Prof. Dr. Adelinde Uhrmacher, chair of appointments committee

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Qualifications are as per § 62 of the Higher Education Act of the State of Mecklenburg-Vorpommern (LHG M-V).

The professorship is to be filled according to § 62 LHG M-V as a position with civil servant status of time or as a regular state employee. Pursuant to § 62a LHG M-V, the appointment to the junior professorship is linked to the promise that a professorship in the civil service status for life or as a regular state employee will be accepted if the individual defined performance requirements are met during the junior professorship. Before the end of the second phase of the junior professorship, a tenure track evaluation is carried out in order to check the prerequisites for taking on the permanent W2 professorship. According to § 62 (2) LHG, an interim evaluation takes place in the course of the third year of the junior professorship.

A special focus is placed on academic achievement and teaching qualifications as well academic organization and 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 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. Women will be given priority if their qualifications are essentially equivalent, unless reasons attributable to the person of the competitor predominate.

Applications with the usual documents (full CV, a complete list of academic and professional background, publications, teaching experience, certificates, any additional qualifications, a summary of grants and sponsored research activities and a description of future research plans) should be sent no later than 22 January 2021 to the University of Rostock, Dean of the Faculty of Computer Science and Electrical Engineering, Albert-Einstein-Straße 2, 18059 Rostock or preferably by e-mail to dekan.ief@uni-rostock.de (please all documents in one PDF file). We would like to point out that your e-mail will be sent to us unencrypted.

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.