



Universität Potsdam

The **University of Potsdam, Faculty of Science, Department of Mathematics** announces the following professorship to be filled by the **winter semester 2018/2019**:

Professorship (W2) in Data Assimilation

Candidates are expected to have a strong research profile in the field of high-dimensional and time-dependent inverse problems and to actively contribute to the Collaborative Research Centre (SFB) 1294 “Data Assimilation – The seamless integration of data and models” (www.sfb1294.de). Possible research foci include optimization algorithms for high-dimensional parameter and state estimation problems, Bayesian model evaluation and comparison, uncertainty quantification in the context of data assimilation, sequential and high-dimensional learning, as well as semi- and non-parametric inference for stochastic processes. Successful candidates will have demonstrated the ability to combine theoretical and algorithmic advances with applications to problems of practical relevance.

Teaching duties will include courses in the bachelor’s and master’s degree programs in mathematics and in the interdepartmental master’s degree program in data science. Candidates should have experience in the acquisition of external funding, the organization of research projects, and academic self-administration.

Candidates are expected to have basic knowledge of German.

The following application requirements for professors must be documented in accordance with Section 41 of the Brandenburg Higher Education Act (Brandenburgisches Hochschulgesetz, BbgHG): a completed university degree, pedagogical aptitude, and a special ability for scientific work, as is typically documented by a dissertation project; comprehensive competences in science management and additional scholarly achievements as evidenced by a *Habilitation* (post-doctoral dissertation), a junior professorship or work as a research associate at an institution of higher education or an extramural research institution, or scholarly activity in the private sector, or in a similar social field, whether in Germany or abroad. The appointment procedure is conducted in accordance with Section 40 of the Brandenburg Higher Education Act.

The University strives for a balanced gender ratio at all levels. Severely disabled applicants will be given preferential consideration in the event of equal qualification. We expressly invite applications from people with migration backgrounds.

The University of Potsdam supports newly appointed professors with its Dual Career Service and coaching support: www.uni-potsdam.de/berufungen.html

Please submit your application and relevant documentation (presentation of your research interests, CV, copies of academic certificates and credentials, list of publications, list of courses taught, list of projects funded externally) within 4 weeks of the publication of this job notice via email (in a single PDF file) to ausschreibungen@uni-potsdam.de. Inquires can be directed to Professor Sebastian Reich (sereich@uni-potsdam.de), Institute of Mathematics, University of Potsdam.

Publication:

Forschung & Lehre: 31.01.2018

ZEIT: 01.02.2018