



The Chair of Scientific Computing at the Julius-Maximilians-Universität Würzburg (JMU) is seeking to fill a position starting **March 1st, 2025** or later as a

Research Assistant / PhD Student (m/f/d)

part-time (50%). The position is limited for one year initially (to find a topic) with the possibility of an extension. The remuneration is based on the TV-L (Collective agreement of the federal states). Academic qualification as part of a doctorate is desired and will be supported accordingly.

The research goals of the PhD work are to develop and analyse iterative methods and preconditioning techniques for solving multi-objective optimisation and equilibria problems, with applications to machine learning and games.

Your Tasks:

- Research in mathematics with a focus on scientific computing and independent participation in research and publication projects of the chair
- Participation in the courses of the Institute of Mathematics (usually in German) to the extent of 2.5 semester hours per week

Our Requirements:

- Distinct interests in numerical optimisation, numerical linear algebra, and analysis.
- Experience in at least one programming language for scientific computing (C/C++, Matlab, Fortran, Python) is required.
- Very good English language skills are necessary, good German language skills are beneficial.
- Independent working style, ability to work in a team and above-average motivation

Recruitment requirements:

- Completed university degree (Master's, Diplom or 1st state examination) in the field of either Mathematics, Computational Science, Engineering, or related disciplines

JMU aims to increase the proportion of women in research and teaching and therefore strongly encourages applications from suitably qualified female academics. Severely disabled applicants will be given preference if they are otherwise equally qualified.

Please send your informative application and the usual documents (CV, certificates with transcript of records), a description of your research interests, and name and email-address of at least one scientist willing to provide additional references on your scientific development. All documents should be sent in electronic form in a single PDF file to:

Prof. Dr. Alfio Borzi, alfio.borzi@uni-wuerzburg.de,

who will also be available to answer any questions you may have about the position. We look forward to receiving your application by **31.01.2025**. Applications received after this date will be accepted until the position is filled.

If you have any questions about the advertised position, please contact:
Prof. Alfio Borzi alfio.borzi@uni-wuerzburg.de

Further information about the Chair of Scientific Computing:
www.mathematik.uni-wuerzburg.de/scientificcomputing/

