



Opportunities
for Talents

TUM

Technische Universität München

Within the **Chair for Numerical Analysis and Scientific Computing** at the Centre for Mathematical Science of the Technical University of Munich (TUM) there is an opening for a

PostDoc Position (100%) in Mathematics

This research position is situated within the project *Numerics of Riemann–Hilbert problems and operator determinants*, which is part of the DFG funded Collaborative Research Centre SFB/TRR109 “Discretization in Geometry and Dynamics”. In this project, we study numerical methods for Riemann-Hilbert problems from mathematical physics and integrable systems in geometry. In particular, we study the preconditioning of Riemann-Hilbert problems by automatic transforms using tools from (discrete) optimization.

Profile:

As well as an outstanding PhD degree in Mathematics or Physics we expect:

- the ability to work independently on a high scientific level
- good command of the English language (German language skills are an advantage!)
- independence, flexibility and the ability to work in a team
- previous experience and knowledge in numerical analysis and of at least one of the following fields: spectral methods, singular integral equations, numerical complex analysis, optimization
- substantial and practical expertise in numerical programming
- (co-)authorship of a couple of peer-reviewed publications

Highly qualified PhD students with a strong background in this field of mathematics / physics are equally encouraged to apply for a PhD position in this project.

Should you require further information please contact the project leader, Prof. Dr. Folkmar Bornemann via email at bornemann@tum.de or visit the website of SFB/TRR-109: www.discretization.de

We offer an interesting, varied and challenging position within a young, international and interdisciplinary team located at the Garching Campus of the TU München and the opportunity to work in an active, interregional research project funded by the German Research Foundation (DFG).

The position is paid according to the Civil Service rates of the German States “TV-L”, E13. The contract will initially be for one year, with the possibility for further extension within the funding period. The current funding period runs until June 2020.

As an equal opportunity and affirmative action employer, TUM explicitly encourages applications from women as well as from all others who would bring additional diversity dimensions to the university’s research and teaching strategies. Preference will be given to disabled candidates with essentially the same qualifications.

Interested?

Candidates should send their applications including a letter of motivation, C.V., a peer-reviewed publication of significance and copies of all relevant examination certificates and academic testimonials in **a single pdf file** via email to Diane Clayton-Winter. Please indicate “PostDoc Position B03” in the subject line. In addition, two letters of recommendation should be sent directly from the referees to the same email-address, with the name of the applicant in the subject line as follows: “Letter of Recommendation for XYZ”.

Email address for applications and letters of recommendation: clayton@ma.tum.de

Application deadline: April 15th, 2017