UNIVERSITÄT ZU LÜBECK
STIFTUNGSUNIVERSITÄT
SEIT 2015

The Institute of Mathematics and Image Computing (head: Prof. Dr. J. Modersitzki, supervisor: Prof. Dr. Jan Lellmann) at the University of Lübeck is inviting applications for a full-time

Research Assistant

position („Wissenschaftliche/r Mitarbeiter/in"), limited to 3 years. The position is part of the DFG project „Functional Lifting 2.0: Efficient Convexifications for Imaging and Vision" and is to be filled at the next available date. The successful candidate will be given the opportunity for individual scientific qualification.

At the Institute of Mathematics and Image Computing (MIC), we focus on mathematical approaches for medical image processing, in particular based on numerical optimization, partial differential equations, and calculus of variations. Mathematical image processing is a young and rapidly-changing field with excellent perspectives. The connections to many other disciplines offer challenging mathematical problems with high practical impact.

Our institute is associated with the Fraunhover MEVIS institute at Lübeck. This unique combination provides excellent opportunities for cooperation on a regional and international level.

We offer a friendly and open-minded working environment with an extensive infrastructure as well as excellent oportunities for personal and professional development.

The University of Lübeck is a young and dynamical institution with close communication between faculty and students. The historical city of Lübeck offers a perfect combination of cultural and recreational activities in an ideal location close to the sea and to the major city of Hamburg.

Your responsibilities

You will actively work on state-of-the-art research projects. For the project „Functional Lifting 2.0: Efficient Convexifications for Imaging and Vision", supported by the German Research Foundation (DFG), you will develop new mathematical models and methods for processing images and implement them in a recent programming language.

We explicitly welcome publication of the research results in international scientific journals and at national and international conferences.

Requirements

For this position, we require an above-average university degree (diploma/master's degree) in mathematics, computer science, physics, engineering, or a related subject. We expect a solid mathematical background, a passion for mathematical image processing, and the drive to pursue research independently as well as in a team.

Solid knowledge in at least one area of applied mathematics is a plus. Ideally, you are experienced in mathematical image processing, numerical analysis, numerical optimization, or convex analysis, and in implementing mathematical methods in a current programming language (e.g., Python, MATLAB, C++).

Upon meeting the qualifications, your salary point will be decided according to the regulations of the TV-L pay scale at level E13. The university reserves the right for a final decision in this matter.

For any questions regarding this vacancy, please contact Prof. Dr. Jan Lellmann, jan.lellmann@mic.uni-luebeck.de, phone +49 451 3101 6110.

The University of Lübeck aims at equal employment of male and female employees. Female applications will be preferred in the case of equivalent qualifications, suitability, and performance.

We explicitly encourage applications of applicants with a disability, and invite applications of applicants with a migration background.

Please submit your application in written form and include the usual documents, in particular a letter of motivation, curriculum vitae, and all certificates. Applications must include the reference **1019/18** and must reach us by **July 16, 2018.** Please address your application to:

Universität zu Lübeck – Die Präsidentin – Dezernat Personal
Ratzeburger Allee 160 – 23562 Lübeck – Germany