

The Helmut-Schmidt-University / University of the Federal Armed Forces in Hamburg (Germany) offers a position as a

Research Assistant (f/m/d)
(Full Time Position, 39 hours/week)

to be filled by either a **PhD student** or a **post-doctoral researcher**. The position is initially limited to 3 years and can be extended depending on performance. The Germany salary grade is 13 TVöD, which means that the yearly salary is around 52.000€ before taxes. The working language is English. The preferred starting date is at the earliest possible date.

The successful candidate will be working in the DFG project P19 “Semi-Smooth Newton Methods on Shape Spaces (SNewS)“ (principal investigator: Prof. Dr. Kathrin Welker) of the priority programme SPP 1962 (<https://spp1962.wias-berlin.de/index.php>). The project is carried out in collaboration with the research partner Prof. Dr. Volker Schulz (Trier University). The main aim of project SNewS is the investigation of optimization problems constrained by variational inequalities (VI) and efficient numerical methods for VI-constrained shape optimization problems. Please visit <https://spp1962.wias-berlin.de/project.php?projectID=19> for a project description.

We offer:

- The advantages of the above-mentioned priority programme, such as cooperation with international scientists, the possibility to participate in special programs to promote young scientists, funding to participate in conferences, summer schools, etc.
- New personalized IT setup: desktop PC / Mac, laptop and tablet, workstation
- Access to university laboratories, including powerful computing clusters

Requirement for employment:

- A master-equivalent or Ph.D. degree in mathematics or a closely related field is required
- A strong background in optimization or numerical methods is desired
- Programming skills are expected

Your application:

Inquiries and applications (including at least a cover letter, CV, certificates of academic degrees and references for possible recommendation letters) should be directed by e-mail to

Prof. Dr. Kathrin Welker (welker@hsu-hh.de)

by **May 30, 2020**. Late applications will be considered until the position is filled.