



The Institut für Strahlwerkzeuge (IFSW) of the University of Stuttgart, founded in 1986, is reputed as one of the leading laser research centers worldwide. Its strength is based on a holistic research approach covering every aspect from laser sources to their applications and ranging from fundamental investigations to industrial technology transfer. The main activities at the IFSW are currently concerned with selected topics in the fields of laser beam sources (especially the thin-disk laser), optical elements and components for beam delivery and beam shaping as well as fundamental investigations on the light-matter interaction with the subsequent process development of macro and micro applications for industrial manufacturing.

Within our laser development and fiber optics activity we aim to develop, in the frame of a project funded by the Graduate School of Excellence advanced Manufacturing Engineering (GSaME), specialty optical fibers (hollow-core fibers) for the delivery of high-power and high-energy laser beams.

The ultimate objective will be to design, fabricate (using our own fiber production facilities) and qualify the developed fibers using state of the art industrial and self-build laser systems.

For this we are looking for a

Scientist / PhD student (m/f/d)

You want to work on a challenging scientific project and you have an above-average degree and preferably some knowledge and hands-on experience in fiber optics, optics design, lasers physics and non-linear optics.

The payment will be according to TV-L 13 (100 %) plus the usual benefits. The position offered is limited to four years.

Requested documents:

- Motivation letter
- Curriculum Vitae
- Transcripts (Bachelor and Master)
- The contact data of 2 reference persons (including Letter of support)

Application deadline is 30.05.2025

Please send your application to:

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