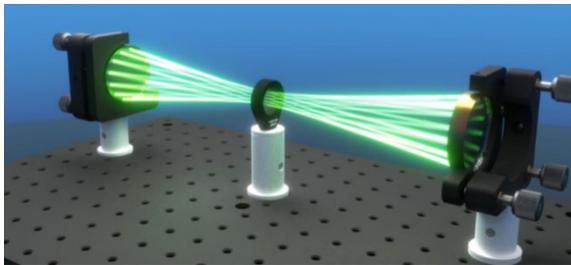


The Chair of Laser Technology at the Faculty of Electrical Engineering of the Helmut Schmidt University / Bundeswehr University Hamburg is looking to fill a vacancy for a

**Laser Engineer**  
**(pay grade A10/11 (t), Federal Pay Act; 41 hours per week)**

at the earliest possible date.



Our research activities focus on civilian basic laser research with a special emphasis on spectroscopy applications. Our areas of interest range from the development of disk laser oscillators, dual-comb spectroscopy and XUV frequency combs to the investigation of nonlinear effects in solids and the extension of laser technology in the infrared range [1,2]. This position will offer you a chance to participate in the implementation of state-of-the-art ultrashort pulsed laser technology in close cooperation with our international scientific staff.

[1] J. Zhang *et al.* und O. Pronin, „Multi-mW, few-cycle mid-infrared continuum spanning from 500 to 2250  $\text{cm}^{-1}$ “, *Light: Science & Applications*, Jg. 7, 17180 EP -, <https://doi.org/10.1038/lssa.2017.180>, 2018.

[2] <https://www.hsu-hh.de/lts/>

### **Roles and responsibilities**

- Developing new complex optical setups for teaching and research purposes
- Carrying out measurements in accordance with established industrial standards
- Implementing, testing and documenting analysis algorithms for the automated evaluation of measured data in customary software packages (e.g. Origin, Matlab, Python)
- Advising and supporting students during practical training, Bachelor's and Master's projects
- Assisting and supporting scientific personnel in research work beyond the state of the art
- Assisting the chair in procurement issues

- Ensuring compliance with occupational safety and health provisions in laboratory areas
- Operating laser systems and organising service, maintenance and repair measures
- Maintaining servers and PCs and managing data backup systems

### **Key requirements**

- Qualification for a career in the higher technical administrative service in accordance with Section 7(1) of the Federal Civil Service Career Regulation or a Bachelor's or equivalent degree in photonics or optical technologies which, in combination with relevant, full-time occupational experience of at least 18 months, qualifies the applicant for a career in the higher technical administrative service  
OR
- Similar applicants with several years of relevant professional experience in the above-mentioned fields
- Basic knowledge of the English language

### **Desirable qualities**

- High level of motivation, excellent team player, and creative problem-solving skills

### **We offer:**

- A multifaceted and demanding job in an application-oriented research environment
- Individual follow-on training options
- Supplementary pension grants (only for employees)
- Work at a green campus university in the eastern part of Hamburg with flexible working hours and an attractive range of free sporting activities as part of occupational health management measures (BGM)
- Cheap on-campus meals (three meals per day)
- Use of Bundeswehr car sharing

Should you have any questions about the position, please contact Prof. Dr. Pronin (Tel. 040-6541-2756, Email: [oleg.pronin@hsu-hh.de](mailto:oleg.pronin@hsu-hh.de)) or Mr. Kilian Fritsch (Tel.: 040-6541-2119, Email: [kilian.fritsch@hsu-hh.de](mailto:kilian.fritsch@hsu-hh.de)).

Employees are assigned to pay grades in accordance with the activities they perform on a more than temporary basis; the criteria of Section 12 of the German Public Service Collective Bargaining Agreement must also be met. If you meet all personal requirements and take on all assigned activities, you will be entitled to pay grade E 11.

Part-time work is possible.

All posts are open to all applicants regardless of gender. We explicitly welcome applications from women. Women will be given preferential consideration in cases of equal qualification, ability and merit in areas where they are underrepresented, unless there are compelling reasons to favour another applicant.

Applications from people with disabilities are explicitly welcome. People with disabilities and those of equivalent status will be given preferential consideration in cases of equal qualification. They are only required to meet the minimum physical ability standards.

Individual limitations related to disabilities may prevent preferential consideration if particular abilities are absolutely essential for a vacancy.

Information on data protection and the application procedure can be found at [www.hsu-hh.de](http://www.hsu-hh.de) under the heading “Universität – Karriere – Datenschutzinformationen” (University – Career – Information on Data Protection).

**Please send your application and any necessary documents as PDF files to the address below by 21.07.2020 and indicate reference number ET-0720: [personaldezernat@hsu-hh.de](mailto:personaldezernat@hsu-hh.de)**

Please note: Applications without a reference number cannot be considered and will be immediately deleted for reasons of data protection.

Deutsche Version unter : <https://www.hsu-hh.de/karriere/nichtwissenschaftliches-personal>

