

The Chair of Laser Technology & Spectroscopy at the Faculty of Electrical Engineering of the Helmut Schmidt University / German Armed Forces University Hamburg, Univ.-Prof. Dr. Pronin, offers to the earliest possible date

Student assistant position (m/f/d)
(12,82€/hour - 13,83 €/hour, max. 19h/Week)

for a limited duration of 6 months



The research activities at the Faculty of Electrical Engineering focus on fundamental laser research for civil uses with a special emphasis on spectroscopic applications. Our fields of research range from the development of disk laser oscillators and XUV frequency comb spectroscopy to the investigation of non-linear effects in multipass cells and the laser-matter interaction in <50 fs regime ($1 \text{ fs} = 10^{-15} \text{ s}$) [1]. The newly developed laser systems and spectroscopic methods offer a broad potential for applications in precision XUV spectroscopy, ultrafast spectroscopy, and ultra-precise, next-generation material processing.

Responsibilities:

- Data analysis
- Design and implementation of new laser experiments
- Design tasks on the computer
- Procurement and installation of technical equipment

Qualification requirements:

- Basic knowledge of optics and laser physics
- Degree in physics, electrical engineering or similar
- Good academic performance
- Enrolment at a German university
- Good written and spoken German and English skills

Valued skills:

- Optional: Knowledge of Solidworks, Labview, Matlab, Python, Origin

We offer:

- Extremely well-equipped state-of-the-art, ultrafast laboratories
- Freedom to express yourself and contribute your ideas to this project
- A multi-faceted, diverse and demanding position in an application-oriented research environment
- Young international group with flat hierarchy
- Language courses
- Workplace at a green campus university in the east of Hamburg
- If you have a bachelor's degree, you will receive €13.83/hour, otherwise the minimum wage.
- DeutschlandJobTicket with employer subsidy if you meet the necessary requirements
- Inexpensive catering in the campus canteen with three meals a day
- You have the opportunity to participate in company health measures (for more information, please visit: www.hsu-hh.de/bgm/).
- Free parking on the campus grounds
- Possibility of using the Bundeswehr's own car-sharing service (for more information, please visit: www.bwcarsharing.de)

If you have any further questions, please contact Mr. Meyer, M. Sc. (johann.meyer@hsu-hh.de) or Prof. Dr. Pronin [2], Tel.: 040/6541-2756 or e-mail: oleg.pronin@hsu-hh.de.

Further information about the university and the professorship can be found at

www.hsu-hh.de/lts.

[1] Semyon Goncharov, Kilian Fritsch, and Oleg Pronin, "110 MW thin-disk oscillator," Opt. Express 31, 25970 (2023)

[2] Oleg Pronin's Scholar profile: scholar.google.com/citations?user=cpJZ1BwAAAAJ

The employment relationship is governed by the provisions of the Wissenschaftszeitvertragsgesetz (WissZeitVG).

Part-time employment is possible.

Applications from women are expressly encouraged. Women will be given preferential consideration in areas in which they are underrepresented, if they have the same aptitude, qualifications and professional performance, unless reasons relating to the person of a competitor outweigh this.

We expressly welcome applications from severely disabled persons and persons with equivalent disabilities. Severely disabled persons and their equals will be given preferential consideration in cases of equal suitability, ability and professional performance. Only a minimum level of physical aptitude is required of them. With regard to the fulfillment of further tender requirements, individual consideration will be given.

Please send your application with the usual documents exclusively in electronic form (pdf file), quoting the **reference number ET- 1125 to 09.06.2025** to:

personalabteilung@hsu-hh.de

Notes:

Information on data protection in the application process can be found on the website www.hsu-hh.de under the heading "University - Career - Data Protection Information".

Without providing the code number, your application cannot be considered and will be deleted immediately for data protection reasons.

