



The Graz University of Technology (TU Graz) is a technical-scientific research institution rich in tradition, based in Austria. TU Graz is an international top performer in all its five Fields of Expertise, capitalising on intense collaborations with industry and other research facilities worldwide. Within the European higher education landscape, TU Graz is a strong player in attracting talent and resources.

The Institute of Experimental Physics at Graz University of Technology has an open position within the **ERC starting grant ELFIS**, available from 1st of May 2021 or later for an initial fixed-term of 3.5 years for a:

Project Assistant (prae doc) / PhD Position (m/f/d) in the field of laser physics

30 hours/week

Topic of the PhD thesis: **Dual-Comb Spectroscopy in the visible and ultraviolet spectral region**

Duties and Responsibilities:

- Research and development in the field of laser spectroscopy
- Setup and characterization of different laser sources
- Development of dual comb spectroscopy into the visible and ultraviolet spectral region
- Contribution to organizational tasks and outreach activities of the institute

Required skills and experience:

- Completed academic studies (masters or diploma) in Physics
- Good knowledge in at least one of these fields:
 - Laser physics
 - Static and/or time-resolved absorption spectroscopy
 - Optical frequency combs
 - High harmonic generation and characterization
- Knowledge in programming favorable (Matlab, LabView and/or Python)
- Social, communication und didactic skills
- Good academic performance is appreciated
- Good English language skills
- Independent problem solving

We offer:

- Access to the latest technologies
- Exciting opportunities for professional and personal development
- Excellent work-life balance (flexible working schedule)
- Dynamic, creative and multi-disciplinary team
- Informal and stimulating working atmosphere
- University's sports program
- Workplace Health Management
- Award for being the most family-friendly enterprise

Are you interested? Please apply with your complete application by the 31st of March 2021 at the latest via E-Mail to bernhardt@tugraz.at. Please refer to the posting **ELFIS-PhD** in your email subject.

The minimum collective wage for this position is € 2,228.63 gross (14 times a year) per month, depending on your experience, overpayment is possible.

Graz University of Technology aims to increase the proportion of women and therefore qualified female applicants are explicitly encouraged to apply. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Contact

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