

The Graz University of Technology (TU Graz) / Faculty of Mathematics, Physics and Geodesy is inviting applications for a university professorship for

## Experimental Physics

with anticipated starting date on 01.10.2022. The university professorship is hosted at the institute of Experimental Physics and the candidate will be employed at Graz University of Technology with a permanent contract according to the Austrian Universities Act (§ 98 UG).

The Institute of Experimental Physics has a long tradition in the field of lasers, optics and spectroscopy with active projects in the area of atomic- and molecular physics as well as charge and spin dynamics in solids and on surfaces.

We are looking for exceptionally qualified candidates ready to strengthen the research profile of our institution with contemporary activities in the area of quantum optics. Possible topics include the development of optical methods for spectroscopy and sensing, in particular in the context of sustainability (e.g. atmospheric spectroscopy, photo-voltaics, photo-catalytics) and modern developments in the area of magneto-optics or time- and spatially resolved light-matter-interaction. Teaching qualifications for the full breadth of experimental physics (bachelor-, master and PhD-level) and the topics of the institute are expected.

Graz University of Technology and Karl-Franzens-University Graz are dedicated to establish a common physics department within the framework of NAWI Graz. Readiness to actively contribute to this center and for local, interdisciplinary collaborations is expected. In particular within the area of optics with activities hosted at both universities, the Field of Expertise „Advanced Material Science“ of TU Graz and other research activities related to sustainability.

### Employment Requirements:

- Relevant university degrees including PhD
- Excellent scientific qualifications in research and teaching in the experimental physics
- Experience in the acquisition and management of third-party funded projects
- International experience and scientific networking
- Pedagogical and didactical qualification, certified by a habilitation (venia docendi) or equivalent.
- Teaching expertise and (co-)supervision of theses
- Leadership qualification

In order to be able to represent the subject internationally, very good written and spoken English skills are required. If knowledge of German is not already available, the willingness to learn the German language is assumed.

The transfer of residence to the greater Graz area is assumed.

Graz University of Technology strives to increase the proportion of women, especially in management positions and among scientific staff, and therefore explicitly invites qualified women to apply. Until a balanced numerical ratio is reached, women will be given priority in the case of equal qualifications.

Graz University of Technology actively strives for diversity and equal opportunities. When selecting personnel, applicants may not be discriminated against on the basis of gender, ethnicity, religion or belief, age or sexual orientation (anti-discrimination).

People with disabilities and corresponding qualifications are expressly invited to apply.

Interested candidates are friendly asked to submit a detailed application:

- using the application form on <https://www.tugraz.at/go/professorships-vacancies/>
- followed by a curriculum vitae (including copies of certificates and other documents)
- including a description of the scientific work in teaching and research (with a list of publications and the originals of the five most important publications), and
- including a concept planned for the future research and teaching at TU Graz

Please send the application in English and in electronic form (PDF) by using general email address [bewerbungen.mpug@tugraz.at](mailto:bewerbungen.mpug@tugraz.at). Application deadline (date of receipt of email) is:

**13. April 2021**

Each application should be addressed to the Dean of the Faculty of Mathematics, Physics and Geodesy of Graz University of Technology, Univ.-Prof. Dr. R. Würschum, Petersgasse 16, 8010 Graz, Austria/Europe.

Interviews are scheduled for the period 5. to 9. July, 2021. Applicants are kindly asked to keep this period free.

The Dean: Roland Würschum

[www.tugraz.at](http://www.tugraz.at)