Professor of Experimental Physics with special emphasis on Optics and the Science of Light

(full time, permanent position under private law, expected to start from October 1, 2018). The applicant is expected to have outstanding academic credentials and an excellent track record of scientific accomplishments in the field of optics and the science of light or light-matter interaction. The successful candidate will be expected to make a significant contribution to the institute’s research in areas such as nanophotonics, quantum optical hybrid systems, coherent and nonlinear optical phenomena in new materials or quantum technology. Special consideration will be given to candidates who have demonstrated ability to attract external project funding and who have the ability and willingness to establish collaborations with groups of the university within the area “advanced material science”. Regarding teaching, active involvement and participation is expected at bachelor, master, and PhD levels in experimental physics and in courses that serve various engineering studies. This position strengthens the inter-university cooperation NAWI Graz.

In order to represent the subject internationally, excellent knowledge of English is required in speech and writing. If knowledge of German is not present, the willingness to learn the German language is expected. The applicant is also expected to move the permanent residence to the region of Graz.

Successful candidates will have the following qualifications (requirements):

- PhD or equivalent academic degree from a university or another research institution in the relevant field
- Outstanding academic track record in research documented by internationally recognized publications
- Demonstration of pedagogic and didactic skills, verified by habilitation (vena docendi) or a comparable qualification in the relevant field
- Leadership abilities
- International working experience
- Successful project acquisition

Graz University of Technology has the strategic goal of increasing the percentage of women especially in management and academic positions, and therefore explicitly encourages qualified female candidates to apply. Until a balanced proportion of women among the staff is reached, women with equal qualifications compared to other candidates will be appointed preferentially. The transfer of residence to the area of Graz is required.

Candidates should submit a detailed application (in English or German with English summary) including:
• the TU Graz application form (https://www.tugraz.at/go/professorships-vacancies)
• Curriculum Vitae (including copies of certificates and documents) with description of previous and current scientific activities in teaching and research as well as funding,
• complete list of publications and ORCID,
• an English summary of research interests and plans for the immediate future,
• five most significant publications,

in electronic form (preferably in PDF-format) under the case number 5110/17/014 (subject) until

September 30, 2017 (date of email receipt)

to the Dean of the Faculty of Mathematics, Physics and Geodesy at Graz University of Technology, Prof. Dr. Wolfgang E. ERNST, Petersgasse 16, 8010 Graz, Austria, bewerbungen.mpug@tugraz.at.

The Dean: Prof. Wolfgang E. ERNST

www.tugraz.at