

University Assistant with doctorate

At the University of Graz, researchers and students work across a broad disciplinary spectrum to enlarge our knowledge, and find strategies to deal with challenges our society is confronted with and to shape tomorrow's world. The University of Graz is a place which combines high quality academic research and teaching, where achievement is rewarded, careers are promoted, and social diversity is encouraged – all within a modern, award-winning working environment. Our motto: We work for tomorrow. Join us!

The Institute of Physics is looking for a

University Assistant with doctorate

(40 hours a week; fixed-term employment for the period of 6 years; position to be filled as of October 15th 2020)

Your duties

- Development of novel methods for investigating individual quantum emitters in complex achiral or chiral environments
- Experimental and numerical studies of exotic artificial materials such as metasurfaces, carbon hybrids and others
- Experimental and theoretical work with structured light fields
- Contributions to further research projects and activities
- Familiarization with project related, scientific topics
- Writing research grant proposals
- Contributing to the composition and editing of scientific manuscripts
- Contributions to scientific workshops and international conferences
- Independent creative research activities in the area of Optics of Nano and Quantum Materials
- Co-supervision of students (Master and PhD level)
- Participation in organisational and administrative tasks and evaluation measures
- Independent execution of courses and exams (teaching activities)

Your profile

- Completed PhD programme/degree in physics
- Profound experimental and theoretical knowledge/skills in the following fields: nano-optics, light-matter interactions, structured light, quantum emitters, nanostructures, integrated systems
- Excellent skills in running FDTD or FEM simulations in general and working with Matlab, Lumerical, in particular
- Excellent track record of international scientific publications
- Competence in writing grant proposals
- Excellent command of written and spoken English (level C1 or better)
- Willingness to take part in advanced training
- Didactic skills for independent teaching
- Enthusiastic and highly motivated working style in an international team
- Excellent communications skill and ability to work in a team

Our offer

Classification

Salary scheme of the Universitäten-KV (University Collective Agreement): B1

Minimum salary

The minimum salary as stated in the collective agreement and according to the classification scheme is EUR 3889,50 gross/month. This minimum salary may be higher due to previous employment periods eligible for inclusion and other earnings and remunerations.

Application Deadline: **September 9th 2020**

Reference Number: **MB/212/99 ex 2019/20**

The University of Graz strives to increase the proportion of women in particular in management and faculty positions and therefore encourages qualified women to apply.

Especially with regard to academic staff, we welcome applications from persons with disabilities who meet the requirements of the advertised position.

If you are interested, please submit your application documents (CV, certificates, etc.) indicating the reference number before the stated deadline. Make sure to indicate the reference number on your application and please send your CV and photo to:

bewerbung@uni-graz.at

Travel costs

Travel costs that arise in relation with the selection process will not be replaced by the University of Graz.
