

## Project assistant (PhD student in THz electronics)

**30 hours per week, for a period of 3 years**

**Technische Universität Wien, generally referred to as TU Wien, is amongst Europe's most successful universities of technology and, with over 30,000 students and a staff of about 5,000, is Austria's largest scientific and engineering research and education institution.**

The EMCE Institute (E354) at TU Wien, research area Microwave and THz Electronics (E354-01), THz-Electronics group is offering a PhD student position, expected start on 01.11.2020. The position is for a period of 3 years, B1 salary group, 30 hours per week. The minimum salary is 2196.75 € per month (x 14 per year).

The focus of the THz-Electronics group is on investigation of THz sources, detectors and systems with a special emphasis on investigation of resonant-tunnelling diodes (RTDs) and THz sources on their basis. Web page of the group: <http://www.emce.tuwien.ac.at/en/terahertztechnik.htm>

### Tasks:

- Research in the field of THz Electronics. The main focus of the positions is on research into THz RTD oscillators.
- Writing and publishing scientific papers in top conferences and journals
- To some extent, being involved in teaching, supervision of students and BSc and MSc students, correction of exams, lab courses, etc.

### Your profile:

- MSc in Electrical Engineering, Physics or similar discipline.
- Deep basic knowledge in high-frequency electrical engineering or physics of electronic or optoelectronic devices is required.
- Experience with semiconductor technology, nano/micro-fabrication, THz or high-frequency measurements and electromagnetic simulations is an advantage.
- Team player and advanced problem-solving skills
- Interest and enthusiasm in research
- Knowledge of German is an advantage

### We offer:

- Continuing personal and professional education and flexible working hours
- Central location with very good accessibility (U1/U2/U4 Karlsplatz)
- A creative environment in one of the most liveable cities in the world

Interested candidates are requested to submit your CV and a brief note on your research interests to the head of the group (Michael Feiginov: [michael.feiginov@tuwien.ac.at](mailto:michael.feiginov@tuwien.ac.at)).

TU Wien is committed to increase female employment in leading scientific positions. Female candidates are explicitly encouraged to apply. Preference will be given when equally qualified.

People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university (contact: [gerhard.neustaetter@tuwien.ac.at](mailto:gerhard.neustaetter@tuwien.ac.at))

**We look forward to receiving your application until 08.10.2020.**

Furthermore, please note that applicants will not be reimbursed for travel costs incurred in connection with this admission process.