



TECHNISCHE  
UNIVERSITÄT  
WIEN



INSTITUTE OF  
ELECTRODYNAMICS, MICROWAVE  
AND CIRCUIT ENGINEERING

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### Open positions in THz electronics at TU Wien, Austria

The THz-Electronics group of the EMCE Institute of the Technical University of Vienna (TU Wien) is expecting to have several open position in a short while. The focus of the group is on investigation of THz sources, detectors and systems with a special emphasis on investigation of resonant-tunnelling diodes (RTDs) and RTD THz sources.

Web page of the group: <http://www.emce.tuwien.ac.at/en/terahertztechnik.htm>

#### **Postdoc position:**

A full-time position is foreseen to become available in several months, the position is for a period of 6 years, B1 salary group. The minimum salary is 3803.80 € per month (x 14 per year).

*Requirements:* PhD in Electrical Engineering, Physics or similar discipline. The focus of the position is on research into THz RTDs and development of THz oscillators on their basis. Investigation of other types of THz sources, detectors and systems could be also addressed at a later stage. Deep knowledge in THz/microwave electronics or optoelectronics and extensive experience in micro- and nano-fabrication technology of III-V devices are required. Additionally, experience in THz measurement techniques and electromagnetic simulations are desirable. Knowledge of German is an advantage.

#### **PhD-student position:**

A position is foreseen to become available in the mid of 2019 for a period of 3 years, B1 salary group, 30 hours per week. The minimum salary is 2148.40 € per month (x 14 per year).

*Requirements:* MSc in Electrical Engineering, Physics or similar discipline. The focus of the position is on research into multi-THz RTD oscillators. 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.

Interested candidates are kindly asked to make an initial informal contact with the head of the group (Michael Feiginov [michael.feiginov@tuwien.ac.at](mailto:michael.feiginov@tuwien.ac.at)) with a copy of your CV and a brief note on your research interests and career ambitions. Potential candidates will be advised to make a formal application, which will be officially announced at a late time point. The recruitment process for each position will continue until a suitable candidate has been identified and accepted the position offer.

TU Wien strictly adheres to the gender-equality policy. The applicants have no rights to claim any travel or subsistence costs related to the application and hiring process.