

Job Offer / Position Opening

The Terahertz Photonik group (head of group Prof. Krozer) at the Physics Institute of the Johann Wolfgang Goethe-Universität Frankfurt am Main offers an opening at earliest possible starting as

Research Assistant / PhD student
(E 13 TV-G-U, 75 % - 100% depending upon qualification)

in the frame of the EU funded project „TeraScreen“. The position is initially time-limited to two years with a possibility of prolongation.

The Terahertz Photonik group develops integrated components and modules for millimeter-wave and terahertz imaging systems in the frame of several research projects. The components and modules are based on analog and mixed-signal MMIC up to 300 GHz. The components shall be realized in either BiCMOS, GaAs, or InP technology, whichever is most appropriate and will be incorporated in transmit and receive modules. The candidate will develop, design, and verify the individual components.

He/She has demonstrated abilities to cooperate with international partners and is a strong team player.

The assessment of applicants will be based on following requested tasks:

- Design of millimeter-wave MMIC mixers and frequency multipliers beyond 300 GHz
- Design of millimeter-wave MMIC power amplifiers beyond 300 GHz
- Involvement in component, module, and system design and assembly of a radar for terrestrial and space applications

Pre-requisites: Master of Science or Diploma in Electrical Engineering or Physics as a minimum. Good knowledge in at least one of the following fields: Terahertz and microwave electronics, MMIC or IC design, microwave measurement techniques. Experience with semiconductor foundries and/or radar system development is an asset.

All interested candidates irrespective of age, gender, race, religion or ethnic background are requested to apply.

Applications should be submitted in English via Email, enclosing a full CV, grade and course list, list of previous employments, list of publications, etc.

Submission: All applications should be submitted before 30.11.2013 to Prof. Dr. Viktor Krozer, Physikalisches Institut, JWG-Universität, Max-von-Laue-Str. 1, D-60054 Frankfurt (E-Mail: krozer@physik.uni-frankfurt.de).