

The Institute of Microwaves and Photonics (LHFT) at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in Germany invites applications for the role of **PhD Research Assistant (m/f/d)** in

**“Radar Technology for Biomedical Imaging and Human Motion Tracking”**  
A01

**Background:**

The planned research is embedded as one of 19 exciting scientific subprojects in the Collaborative Research Centre (CRC) 1483 EmpkinS. CRCs are one of the most renowned research measures in Germany. It is the aim of this subproject to research innovative radar system concepts and radar algorithms for real-time imaging of the human body shell and for precise human motion tracking. The project will be carried out in close corporation with our CRC partners from the biomechanical and medical area.

**Requirements:**

We are seeking motivated, creative candidates, who are capable of working in a multidisciplinary team, and who have an above-average primary university qualification (master degree or diploma) in electrical engineering or a related field (e.g., information technology, computer science, mathematics, mechatronics, etc.). Knowledge in one or several of the areas microwave systems, radar hardware, radar imaging, signal processing or statistical target tracking methods is desirable. A good command of the English language is prerequisite.

**Work Environment:**

As one of the leading institutes in radar and microwave techniques LHFT and based on our scientific international network we can offer PhD students outstanding opportunities in this project. Among the core values of our interdisciplinary team and in our state-of-the-art labs are scientific excellence, good teamwork and knowledge sharing. The LHFT is part of the Faculty of Engineering which awards the academic degree Doctor of Engineering (Dr.-Ing.).

**Position and Application:**

The project start date is July 1 or later. This is a temporary position that is at least available for 3 years. Remuneration is based on the collective agreement for civil servants in Germany (TV-L E13, fulltime position). The appointee may pursue doctoral studies in the Faculty of Engineering.

Applications from severely disabled persons, in the case of equal suitability, will be treated preferentially. Qualified female candidates are especially encouraged to apply as there is a policy in place at the University to increase the proportion of female staff.

Please submit your application (motivation letter, tabular CV, certificates) indicating the project code A01 by e-mail by June 14, 2021 to [empkins-jobs@fau.de](mailto:empkins-jobs@fau.de).

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