

The Chair of eHealth/mHealth of FAU Erlangen-Nürnberg is looking to strengthen its methods and technology development of wearable and implantable sensor and actuator systems and seeks to appoint a:

Senior researcher / Postdoc in Additive Manufacturing
(salary commensurate to expertise in scales E13/A13 TV-L, full-time)

as soon as possible, initially for three years.

Responsibilities:

- Establish a strong research record in the field of computational additive manufacturing methods, covering 2D and 3D printed mechanical and electronic system design, evidenced by publications in leading scientific conferences and journals of the related fields.
- Develop proficiency in research funding acquisition. Establish successful collaborations with different units and chairs at the FAU and UH Erlangen, as well as with national and international partners.
- Contribute to the set up and running of an advanced multiprocess additive manufacturing laboratory at the chair.
- Guide and advise students at all levels, including bachelor, master, and PhD level.
- Assume management and organisational responsibilities at the chair and in collaborative research projects of the chair.

Qualifications:

We look for a candidate with a strong and broad expertise in additive manufacturing methods, printed electronics, and material science. The successful candidate should have published in relevant international scientific journals. A university degree and outstanding doctoral degree (Ph.D.), pedagogical aptitude, and proficient English language skills are prerequisites for this position. Interest in acquiring German language is expected. Experience in establishing and/or running a material science laboratory are a plus.

Our offer:

Founded in 1743, FAU has a rich history. It is a strong research university with an international perspective and one of the largest universities in Germany, with 39.868 students, 263 degree programmes, 4,000 academic staff (including over 570 professors), 177.6 million Euros third-party funding in 2016, and 500 partnerships with universities all over the world. FAU's outstanding research and teaching is reflected in top positions in both national and international rankings, as well as the high amount of DFG funding.

The Chair of eHealth and mHealth at FAU is pursuing top-level research on foundational and applied topics of digital health. In the field of ubiquitous health technology, members of the chair are investigating novel computational design methods and procedures to realise wearable and implantable sensor and actuator systems using smart materials and printing methods. The chair has a strong experience in data analytics, sensor technology, and embedded systems. For more information, please see: www.emh.med.fau.de.

Information and application:

For inquiries regarding this position, please contact Prof. Dr. Oliver Amft via e-mail: amft@ieee.org.

FAU is an equal opportunities and family-friendly employer and is also responsive to the needs of dual career couples. In order to increase the number of women in leading positions, we specifically encourage women to apply.

Please send your application (cover letter detailing research interests and background, CV, and certificates) preferably as one PDF document via e-mail (amft@ieee.org) by **June 20, 2018** to Prof. Dr. Oliver Amft, Chair of eHealth/mHealth, FAU Erlangen-Nürnberg, Krankenhausstrasse 12, D-91054 Erlangen.