

# SPACE FOR YOUR TALENT.



The world is changing at an ever-faster pace. At the Johannes Kepler University Linz, we work on technologies and the ideas of tomorrow on a daily basis. At the same time, we educate over 23,000 young people to meet the demands of today's job market. In short, we are Upper Austria's largest institution for education and research. Are you interested in being a part of shaping the future at Austria's most attractive campus university? We currently have a job opening starting January 1, 2023, for a:

## **PhD Candidate (must hold a Diploma/Master's degree) for a full-time, three-year position at the Linz School of Education, STEM Education/Physics**

**Job Reference Number: 5030**

Are you a physicist, material scientist or chemist looking to design and develop soft robotic elements for wearables at the JKU in collaboration with international partners? Join us at SOFTWAREAR!

As a PhD student fellow, you will be a member of the Marie Skłodowska-Curie Actions Doctoral Network SOFTWAREAR. The network will comprise 12 PhD students from 10 European Universities. SOFTWAREAR is a highly interdisciplinary Doctoral Network in the emerging and rapidly growing field of wearables, with a unique focus on soft actuators for wearables and exoskeletons. The primary objective of SOFTWAREAR is to train young researchers in the multidisciplinary science of soft actuators for integration in wearables and augmenting textiles. This will be achieved by merging chemistry, physics, mechanics, electronics, textile technology, design, human-technology interaction and ethics in a truly interdisciplinary manner, while teaching essential skills in ethics, product development, IPR and industrial realization, thus providing a unique added value to the careers of the Researchers. This will be accomplished by on-the-job training on innovative research projects developing beyond-the-state-of-the-art soft actuator technology and integrating this into active garments and soft exoskeletons. The research will be carried out at leading academic groups and by immersion in applied projects at the industrial partners. The position will require traveling to participate in Training Schools and secondments of several months to academic and industrial associated partners. For more information see [www.softwear-dn.eu](http://www.softwear-dn.eu).

### **Job Duties:**

- Actively take part in the MSCA-DN SOFTWAREAR and provide support and collaboration in the research framework
- Design and develop soft actuators based on dielectric (silicone) elastomers and phase transitions
- Contribute to silicone elastomer development with our collaborators in chemistry
- Publish project relevant research outcome and prepare a doctoral dissertation

### **Your Qualifications:**

- The successful candidate must hold a Diploma/Master's degree in Physics, Materials Science or Chemistry until the start of the project work
- Proved interest in Materials Physics and Chemistry is an advantage
- Strong command of German and/or English (level C1)

### **What We Offer:**

- On the basis of full-time employment (40 hours/week) the minimum salary in accordance with the collective agreement is € 3,058.60 gross per month (14 x per year, CA Job Grade: B1)
- Stable employer
- Attractive campus environment with good public transportation connections
- Attractive continual educational opportunities
- State-of-the-art research infrastructure
- Dynamic research environment
- Broad range of on-campus dining services/healthy meals (organic food at the cafeteria)
- Exercise and sports classes (USI)
- ...and much more

**Application Deadline:** September 1, 2022.

The Johannes Kepler University wishes to increase the proportion of academic female faculty and, for this reason, especially welcomes applications by qualified women. If applicants are equally qualified, a woman will be given preference for this position. The university welcomes applications from qualified applicants with physical disabilities. These applications will be given special consideration.

**How to Apply:**

Prospective applicants interested in the multifaceted position are requested to electronically send an application in adherence to the stated criteria together with a motivation, a copy of the diploma, CV and up to three names of references with the full contact information in a single PDF file via mail to [ingrid.graz@jku.at](mailto:ingrid.graz@jku.at).

**Contact:**

If you have questions, please contact: Assoz.Univprof. DI Dr. Ingrid Graz, P +43 732 2468 7955, E-mail: [ingrid.graz@jku.at](mailto:ingrid.graz@jku.at).