

At the SPACE research center, we are looking for a

Research Assistant (m/f/d)

to participate in the cutting-edge research project SeRANIS at the Bundeswehr Centre for Digitization and Technology Research (DTEC.Bw)

(Remuneration according to E 13 TVöD -German wage agreement for public service)

limited till 31.12.2024 in full time employment.

The Universität der Bundeswehr Munich is firmly anchored in the national and international research landscape. As a campus university with excellent infrastructure, it offers the best conditions for high-quality teaching and research. The DTEC.Bw will be established as a scientific centre at the Universität der Bundeswehr München, supported by both Bundeswehr universities (UniBw). It will carry out selected projects of innovative and interdisciplinary top-level university research in the fields of digitisation and related key and future technologies.

As currently the largest top-level research project, SeRANIS (Seamless Radio Access Networks for Internet of Space) will involve more than 50 scientists working on technologies for the next generation of mobile communications (6G) and innovations in satellite technology.

Your Tasks and Responsibilities:

- Participation in the development and implementation of the small satellite mission.
- Support in the development of experiments and their integration on the small satellite
- Cooperation in project implementation from the planning phase to the finished flight model
- Test, qualification and demonstration of the developed prototypes in the laboratory
- Development and implementation of concepts for AI-based fault management on board small satellites
- Contribution to scientific publications and presentations at international conferences

Qualifications:

- Master's degree in a relevant field (e.g. aerospace engineering, mathematics, or similar)
- Programming skills in at least one of the following languages: Python, C++ or similar
- Knowledge in one or more of the following topics: artificial intelligence, machine learning, neural networks, data science, anomaly detection, time series analysis, on-board computers and software, fault management/ FDIR
- Very good written and spoken English. German is an advantage

What we offer:

- diverse and practice-oriented, scientific projects in excellent research infrastructure
- creative freedom in research in a dynamic and international team
- Opportunity to enrol in a PhD program and entrepreneurship prospects through the DTEC.Bw start-up incubator

Classification in pay group E13 is carried out in accordance with § 12 TVöD with regard to the activities actually carried out and the fulfilment of personal or collective agreement requirements. Employment can also be part-time if desired. The UniBw Munich is striving to increase the proportion of female academics and employees; applications from women are expressly welcomed. Persons with a handicap are given special consideration if they are equally qualified.

Did we raise your interest?

Please send your application documents (cover letter, curriculum vitae, references, certificates) by **30.11.2020** in PDF format by e-mail to: office.sp@unibw.de and raumfahrt@unibw.de.

By submitting your application, you agree that your personal data may be stored, processed and forwarded to the offices involved in the application process for the purposes of the application. Further information on data protection can be found under the following link (German only): [Data protection policy](#).

We look forward to receiving your application!