

**At the Research center SPACE, we are looking for
Research Associate(s) (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 München 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 center at the Universität der Bundeswehr München, supported by both Bundeswehr universities (UniBw). It will carry out selected projects of innovative and interdisciplinary top-level research in the fields of digitization 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 responsibilities:

- Research into one or more technologies in the fields of digital signal processing, radio science and software-defined radio systems.
- Definition and planning of a GNSS-Reflectometry / GNSS-Radio Occultation experiment
- Participation in the configuration and commissioning of testbed infrastructure
- Novel algorithm development for experiment simulation, prototype operation and data analysis
- Design and development of a software-defined radio science receiver for the radio-science experiment
- Test, qualification and demonstration of developed prototypes in the laboratory
- Contribution to scientific publications and presentations at international conferences

Expected qualifications:

- An above-average university degree (masters or diploma) in the field of electrical engineering, information technology, telecommunications, mathematics, physics or comparable discipline.
- Knowledge in one or more of the following topics: digital signal processing, microwave engineering, high-level synthesis and HDL based FPGA/VLSI design, software defined radio.
- Very good written and spoken English. German knowledge is an advantage.

What we offer:

- Versatile and practice-oriented scientific projects in excellent research facilities
- A high-level of creative research freedom in a dynamic and international team
- Opportunity to enroll in a PhD program and entrepreneurship prospects through the DTEC.Bw start-up incubator

Classification in pay group E 13 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 us your application documents (cover letter, curriculum vitae, references, certificates and transcripts) in PDF format until **30.11.2020** 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 details on our data protection policy can be found under the following link (German only): [Data protection policy](#).

We are looking forward to your application!