At MARUM – Center for Marine Environmental Sciences at the University of Bremen, a position is available as soon as possible, subject to project approval, as

Technical Employee (f/m/d)
Salary Group E12 TV-L
with 100% of the regular weekly working hours (39.2 hours per week),
to be filled for a fixed term expected to last until December 31, 2027 at the latest.

Part-time work is generally possible. Details should be agreed with MARUM if necessary.

The University of Bremen intends to increase the proportion of female employees in the technical field and therefore explicitly encourages women to apply. In the case of equal qualifications, women are given priority, unless reasons relating to the person of a competitor prevail.

Your responsibilities include:

- Development and integration of embedded systems for long-term observations in the deep sea
- Analysis, integration, and testing of software applications
- Development and integration of hardware accelerators (e.g. for FPGA, GPU)
- Validation and testing of underwater systems and components
- Technical support for sampling and data collection for scientific projects aboard research vessels during expeditions at sea lasting several weeks

Requirements

- Successfully completed technical university degree (FH diploma/bachelor's degree) in the field of electrical engineering, computer science, or a comparable subject, as well as several years (at least 3 years) of relevant professional experience.
- In-depth knowledge of embedded systems
- Experience with Linux, Embedded Linux, or a comparable operating system
- Programming experience in C/C++, Python, or comparable languages
- Experience with ROS/ROS2 (Robot Operating System) and hardware accelerators
- Good written and spoken English skills (CEF LevelB2), preferably technical English
- Full suitability to participate in research expeditions at sea lasting several weeks
- Ability to work in a team and willingness to learn
- Ability to work independently

The job advertisement is aimed at motivated persons with a keen interest in marine robotics for applications in marine research. The field of activity covers the broad spectrum of adaptive and heterogeneous computer platforms for autonomous underwater vehicles. The focus here is on considering the energy efficiency of the embedded systems in order to enable long mission durations and sustainable operation.

General Information

- Annual special payment (‘year-end bonus’), regular automatic salary increases in line with collective agreements and additional public service pension scheme (VBL)
- A crisis-proof, interesting and varied job in an open-minded university
- 30 days' holiday per calendar year
- A diverse, future-orientated and open corporate culture
- Support from a collegial, motivated team with a positive working atmosphere

- Personalized induction training
- The opportunity for further and advanced training
- Compatibility of family and career through flexible working hours (‘flexitime’) and the option of mobile working (subject to the general conditions)
- Free social and family counselling services
- Active company health management, including the option of discounts at local sports clubs, gyms and swimming pools (EGYM WELLPASS)
- The option of using a job ticket for local public transport
- Numerous sports and cultural activities
- Varied catering options in the student union canteens

MARUM (www.marum.de) produces fundamental scientific knowledge about the role of the ocean and the ocean floor in the total Earth system. The dynamics of the ocean and the ocean floor significantly impact the entire Earth system through the interaction of geological, physical, biological and chemical processes. These influence both the climate and the global carbon cycle, and create unique biological systems. MARUM is committed to fundamental and unbiased research in the interests of society and the marine environment, and in accordance with the Sustainable Development Goals of the United Nations. It publishes its quality-assured scientific data and makes it publicly available. MARUM informs the public about new discoveries in the marine environment and provides practical knowledge through its dialogue with society. MARUM cooperates with commercial and industrial partners in accordance with its goal of protecting the marine environment.

Open to unconventional approaches in research and teaching, the University of Bremen has retained its character as a place of short distances for people and ideas since its founding in 1971. With a broad spectrum of subjects, we combine exceptional performance and innovative potential. As an ambitious research university, we stand for research-based learning approaches and a pronounced interdisciplinary orientation. We actively pursue scientific cooperation in a spirit of global partnership.

Today, around 23,000 people learn, teach, research, and work on our international campus. In research and teaching, administration and operations, we are strongly committed to the goals of sustainability, climate justice, and climate neutrality. Our Bremen spirit is expressed in the courage to try new things, in supportive cooperation, in respect and appreciation for each other. With our study and research profile and as part of the European YUFE network, we assume social responsibility in the region, in Europe, and in the world.

The University of Bremen is family-friendly, diverse, and sees itself as an international university. We therefore welcome all applicants regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation, and identity.

Disabled applicants will be given priority if their professional and personal qualifications are essentially the same.

For general questions about the personnel selection procedure, please contact: Svea Schmidt, Tel.: 0421 218 65511, e-mail address personalverwaltung@marum.de

If you have any questions regarding the content of the advertised position, please contact: Daniel Gregorek, +49 421 218 65699, e-mail address dgregorek@marum.de

Please send your application with your complete and informative documents (cover letter, resume, proof of qualifications, references) quoting the reference number **A001-26** by

12.02.2026 as a single PDF file via unencrypted electronic mail to: **larus@uni-bremen.de** or by post to:

Universität Bremen
MARUM – Center for Marine Environmental Sciences
Daniel Gregorek
Leobener Straße 8
28359 Bremen

Please note that no photos are to be attached to the application documents.

We kindly ask you to send us only copies (no portfolios) of your application documents, as we cannot return them. They will be destroyed after the selection process has been completed.

Any application costs cannot be reimbursed.