Dresden University of Technology

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Computer Science, Institute of Artificial Intelligence,** the **Chair of Machine Learning for Robotics** offers a position as

Robot System Administrator (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 9b TV-L)

starting **as soon as possible** initially limited to two years (time limitation pursuant to § 14 (2) TzBfG).

Tasks:

- setup, configuration, maintenance, and networking of workstations, printers, and network components
- setup, deployment, and maintenance of robots (e.g. type x-arm 7 and h1) and laboratory equipment
- testing and evaluation of newly acquired and internally developed hardware technologies such as event-based cameras and tactile sensors
- development of software tools and infrastructures to facilitate robot experiments in ROS and Python/C++, based on objectives defined by the scientific staff
- design and implementation of experimental setups for robot experiments according to specifications provided by the scientific staff
- development of software interfaces in ROS and Python/C++ for robot experiments according to specifications provided by the scientific staff
- presentation of robot demonstrations (including public demonstrations)
- consulting regarding the procurement of robotic and technical equipment

Requirements:

- successfully completed vocational training as an IT specialist in the field of systems integration with several years of professional experience, or a similarly qualified degree in information technology with equivalent knowledge and experience
- English proficiency at both technical and non-technical levels
- knowledge of operating systems (Windows, macOS, and especially Linux), network technology, and server administration
- programming skills in ROS, C/C++, and/or Python
- knowledge of IT systems and technology tools for networking and controlling robotic arms and robot end-effectors
- knowledge of software and hardware tools for hardware debugging (JTAG/SWD, logic analyzer, oscilloscope)
- experience in the control and operation of robotic arms
- (preferred) Fluency in technical and non-technical German

Pursuant to § 14 (2) TzBfG applicants should not have been employed by the Free State of Saxony. You will need to provide an appropriate statement with your application.

We offer:

- Opportunity for interesting and independent work in a flat hierarchy within an open-minded team and supportive atmosphere
- Flexible working hours for a good work-life balance
- 30 vacation days per year (within a 5-day work week)
- Comprehensive range of professional development and continuing education opportunities
- Health care and sports programs offered by TUD
- A subsidized job ticket (also available as a Deutschlandticket)
- Participation in the supplementary pension scheme for public sector employees via the VBL

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Application: Please submit your detailed application with the usual documents by **April 23, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **roberto.calandra@tu-dresden.de** or to:

TU Dresden, Chair of Machine Learning for Robotics, Prof. Dr.-Ing. Roberto Calandra, Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.