Fraunhofer Heinrich-Hertz-Institut

Fraunhofer HHI

Das Fraunhofer Heinrich-Hertz-Institut (HHI) ist eines der weltweit führenden Forschungsinstitute für mobile und stationäre Kommunikationsnetzwerke und für die Schlüssel-Technologien der Zukunft. Unsere Kompetenzbereiche haben wir konsequent auf derzeitige und künftige Markt- und Entwicklungsanforderungen ausgerichtet.

Student Assistants in Intelligent Connected Robotics

City: Berlin; Starting date (earliest): 01/07/26; Duration: Die Stelle ist zunächst 1 Jahr befristet. Eine Verlängerung ist explizit erwünscht.; Remuneration: Die Vergütung richtet sich nach der Gesamtbetriebsvereinbarung zur Beschäftigung der Hilfskräfte.; Reference number: 84293; Closing date: 15/06/26

Tasks

- We are looking for Student Assistants across three tracks. Apply if one or more of the profiles match your background and interests:

Track 1: Robotics Integration Engineering (ROS2, navigation, motion planning, control)
Track 2: Robot Learning & Simulation (foundation models, RL, simulation environments)
Track 3: Hardware Engineering & Design (medical robotics, CAD, 3D printing, embedded electronics, industrial design, UX/UI design)

Requirements

- Enrollment in a Bachelor’s or Master’s degree program in robotics, computer science, machine learning, electrical or mechanical engineering, mathematics, industrial design, or a related field
- Strong motivation to work on robotics research and real-world robotic systems
- Independent, structured, and reliable working style
- Programming experience, e.g. Python, C/C++, PyTorch, or JAX, depending on the selected track
- Familiarity with collaborative development tools, such as Git
- Very good written and spoken English skills
- Onsite availability to support hands-on prototyping, experimentation, and collaboration

Track-specific Requirements

Track 1: Robotics Integration Engineering
Experience or strong interest in ROS2 development, navigation and autonomy stacks, motion planning, and hardware-close deployment
Track 2: Robot Learning & Simulation

Knowledge of deep learning foundations, PyTorch pipelines, reinforcement learning, and distributed, edge, or cloud robotics
Track 3: Hardware Engineering & Design
Background in mechanical engineering, electrical engineering, or industrial design; experience with CAD, 3D printing, and sensor/actuator integration; UX/UI experience is a plus

Please make sure to include a detailed transcript of records with your application. Unfortunately, applications without a transcript of records cannot be considered. A cover letter is not required.

What we offer

- An outstanding and research-driven working environment at Fraunhofer HHI
- Participation in cutting-edge research projects at the intersection of robotics, AI, and wireless communication
- A highly motivated, international, and interdisciplinary team
- Cutting-edge robotics, hardware, and compute infrastructure
- Collaboration with academic, industrial, and clinical partners
- Flexible working hours compatible with your studies

Application

Closing date: 15/06/26
Reference number: 84293
Contact person: Dr.-Ing. Navneet Agrawal

By internet: https://jobs.fraunhofer.de/job-invite/84293/

More information at https://stellenticket.de/204381/TUB/
Offer visible until 15/06/26