

Doctoral student (f/m/d): Learning-Based Personalized Rehabilitation with the ARMin Exoskeleton: Control, Hardware & Clinical Studies

We are recruiting a fully funded PhD Student to join the **Institute of Biomedical Engineering** at the Ulm University, Germany.

You will advance control and ML strategies for ARMin: from learning from demonstration and therapist-informed data to personalized rehabilitation strategies and next-generation intelligent training approaches leveraging large language models → in a hands-on role spanning hardware & electronic development, algorithm development, and clinical studies with patients.

What we offer:

- Fully funded, TV-L E13 (100%), 4 years (extendable), starting End 2026 / Early 2027
- International, hands-on lab, directly within the university hospital
- State-of-the-art robotics & biosignal infrastructure
- Ulm: a city with excellent quality of life, ~1h from Stuttgart and Munich

We are looking for a highly motivated candidate with:

- MSc in Robotics, Biomedical Engineering, Electrical Engineering, Computer Science, or related
- Programming & robotics skills + willingness to get hands-on with hardware & electronics
- Eagerness to conduct clinical studies

Ulm University aims to increase the proportion of women in science and welcomes applications from qualified female candidates. Applicants with disabilities will be given preference in case of equal qualification.

Please apply under [following link](#) in our application portal until the **30th of August!** For further questions please contact: Prof. Dr. Fabian Just: fabian.just@uni-ulm.de

