**Internship: Advanced IoT**

The Internet of Things (IoT) is the network of all physical devices, which extend beyond standard internet-connected devices like PCs or smartphones. It is one of the key elements of *Industrie 4.0* or *Smart Manufacturing*, which allows industrial tasks to be carried out more efficiently. By connecting several industrial assets such as 6-axis robots, gantry robots, mobile robots and classic automation systems, productivity can be increased and errors are less likely to occur. One of the challenges the Digital Factory of the University of Applied Sciences is facing, is the connection of industrial equipment across different manufacturers. We are searching for bright and ambitious students to support our team in existing, as well as future projects.

**Internship period:**

- Beginning: any time
- Duration: > 5 months

**Content/tasks:**

- Working in research team and supporting existing and future projects

**Requirements:**

- Bachelor's degree
- Interest in scientific work
- Basic knowledge in programming
- Basic knowledge in 3d modelling
- Basic knowledge in network technology
- Nice to have: interest in publishing scientific papers

The UAS Technikum Wien does not offer student accommodation; the incomings have to take care of accommodation in advance. Our Center for International Relations would be happy to provide you with references.

The internship is not paid but there is a possibility to get Erasmus funding. The Erasmus+ funding varies, depending on the country of origin. The information about the funding support will be given to you from the International Office of your home university.

If the internship is part of the curriculum, the home university must decide whether it will be fully credited. The workload should therefore correspond to what is required by the home university. If it is not a mandatory internship, a transcript of records will be issued about the actual workload.

The minimum duration for this internship is 5 months.

Writing scientific papers, conducting literature reviews, collecting and analyzing data, preparing findings for publication and assisting in laboratory analysis, quality control, data management, writing and contributing to publications, developing research protocols are the intern’s responsibilities during the introduction phase.

Research Assistant top skills & proficiencies: Communication, attention to detail, technical skills, statistical and graphical analysis of data, ability to maintain quality and data collection.

**Contact:**

*Clemens Ambros*
*UAS Technikum Wien*
*Höchstädtplatz 4, 1200 Wien*
*ambros@technikum-wien.at*