

Job offer

AC2T research GmbH



PhD Informatics: Data Base structures for tribological Big Data

As the **Austrian Competence Centre for Tribology** (www.ac2t.at), we have been developing technical-scientific solutions around the topics of **friction, wear and lubricant** application for about 20 years.

We are currently working on integrated solutions for the storage, processing and analysis of data in the area of big (tribological) data. The goal is to be able to connect Software as a Service (SaaS) tools directly with data from our database in the future. The direct online transfer of measurement data from our test stands into the database using Internet of Things (IoT) technology is also our medium-term goal. Therefore, we are offering a full-time PhD position in this area.

ACTIVITIES

- Development of ontologies and data structures for tribological data
- Development and implementation of databases (SW and HW)
- Implementation of cloud-based solutions for databases, safety and security concept
- Database scalability for future challenges
- Development of interfaces such as APIs for data exchange
- IoT connection of the test stands to the database
- Web - platform solution for coupling the databases with SaaS solutions

REQUIREMENTS

- Completed Master's degree in the field of computer science or related disciplines
- Willingness to carry out a dissertation
- Project management experience for software projects
- Experience in software development and version management
- Affinity for conceptual work on database structures
- English spoken and written

OUR OFFER

- Permanent employment within the framework of the PhD work
- Professional supervision and support by competent staff
- International project environment
- Salary: 2.800,- gross per month, 40 h/week full-time, a possible overpayment depends on relevant professional experience and/or qualification.

Kontakt
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