

# Job offer

AC2T research GmbH



## High dynamic research in tribology 3D Laser Doppler Vibrometer / High-Speed- & Infrared Camera

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

To build up and expand our team in the field of "highly dynamic tribology" we are looking for employees to operate and scientifically supervise newly acquired high end infrastructure:

- [3D – Laser-Doppler – Vibrometer](#) (unique in Austria)
- [High-Speed Camera](#)
- [High-Speed – Infrared camera](#)

The aim is to investigate dynamic processes like vibrations, transient heat flows or short-time single events in tribology. For this purpose, analyses and tests have to be designed and the dynamic response should be measured and visualized with the new measuring equipment. Therefore, tribological test facilities are available in the laboratory and applications at customers. The results can lead to the formulation of a master or doctoral thesis.

### ACTIVITIES

- Test design and carrying out measurements with the measuring instruments
- Processing of measurement data (modal analyses, temperature calculations, acquisition of motion trajectories, etc.)
- Scientific interpretation and publication of results

### REQUIREMENTS

- Relevant university education (FH, university), e.g., mechatronics, automation technology, mechanical engineering or physics
- Knowledge of modal analysis or general structural dynamics and infrared thermography
- Ability to work in a team, to take the initiative, to work independently, to discuss issues and to work in a customer-oriented manner
- German spoken and written, good English skills are desired

### OUR OFFER

- Scope of employment: full-time (40 h/week); part-time is possible (e.g., during studies)
- Start of employment: immediately
- Place of employment: Wiener Neustadt
- Gross minimum salary based on full-time employment: €/month 2.850,- (finished MSc-studies)

A possible overpayment depends on relevant professional experience and qualifications.

## Contact

[jobs@ac2t.at](mailto:jobs@ac2t.at)

