

SPACE FOR YOUR TALENT.



The world is changing at an ever-faster pace. At the Johannes Kepler University Linz, we work on technologies and the ideas of tomorrow on a daily basis. At the same time, we educate over 21,000 young people to meet the demands of today's job market. In short, we are Upper Austria's largest institution for education and research. Are you interested in being a part of shaping the future of Austria's most attractive campus university? We currently have a job opening starting June 1, 2021, for a:

**University Project Assistant (must hold a Doctorate/Ph.D. degree)
for a 40-hour/week, three-year position for “Real-time simulations of polydisperse
fluidized bed dynamics” at the Institute of Fluid Mechanics and Heat Transfer,
Department of Particulate Flow Modelling**

Job Reference Number: 4464

Job Duties:

- Modelling and simulating fluidized particle dynamics
- Advance developments in the real-time simulation framework “recurrence CFD” for polydisperse particle distributions
- Apply the above-mentioned method to a spouted fluidized bed case with online data coupling
- Collaborate closely with colleagues at the Hamburg University of Technology who conduct the experimental section of the project

Your Qualifications:

- The successful candidate must hold a Doctorate/Ph.D. degree in either physics, mathematics or engineering
- Professional experience in numerical simulations
- Background in Computational Fluid Dynamics or Computational Particle Mechanics or related topics

What We Offer:

- On the basis of full-time employment (40 hours/week) the minimum salary in accordance with the collective agreement is € 3,945.90 gross per month (14 x per year, CA Job Grade: B1)
- Stable employer
- Attractive campus environment with good public transportation connections
- Attractive continual educational opportunities
- State-of-the-art research infrastructure
- Dynamic, international research environment
- Broad range of on-campus dining services/healthy meals (organic food at the cafeteria)
- Exercise and sports classes (USI)
- ...and much more

Application Deadline: April 30, 2021.

The Johannes Kepler University wishes to increase the proportion of academic female faculty and, for this reason, especially welcomes applications by qualified women. If applicants are equally qualified, a woman will be given preference for this position. The university welcomes applications from qualified applicants with physical disabilities. These applications will be given special consideration.

How to Apply:

Prospective applicants interested in the multifaceted position are requested to electronically send a two-page application to andrea.scharinger@jku.at. The first page covers information on the applicant (name, photo, date of birth, email, academic career, titles of selected projects and publications etc.) and the second page features an abstract of the applicant's doctoral thesis (or equivalent research project).

Contact:

If you have questions, please contact: Prof. Stefan Pirker (stefan.pirker@jku.at) or Dr. Thomas Lichtenegger (thomas.lichtenegger@jku.at)