



**JOHANNES KEPLER
UNIVERSITY LINZ**

As the largest institution of research and education in Upper Austria, the Johannes Kepler University Linz has over 20,000 enrolled students and 3,000 employees. The JKU's four faculties offer over 60 academic degree programs. We are looking to strengthen our team at the Department of Particulate Flow Modelling and announce an immediate opening for an

Open PhD Position: Towards Real-Time Simulation of Industrial Scale Fluidized Bed Reactors

Job Duties:

- Identify characteristic time scales and flow patterns in a fluidized bed by means of conventional CFD
- Implement of rCFD for a lab-scale fluidized bed
- Develop and implement meso-scale models (gas-solid turbulence) for drag, heat and mass transfer
- Develop and implement new parallelization and communication techniques
- Validate rCFD at large-scale fluidized bed against scholarly literature
- Apply findings to large-scale industrial plants

Your Qualifications:

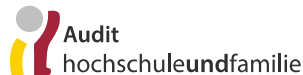
- Must hold a graduate degree in Physics, Mathematics or Engineering Science
- Experience in conducting numerical simulations for fluid and granular flows
- Strong understanding of Metallurgical Processes

The minimum salary in accordance with the collective agreement is € 2,731.00 gross per month.

If you have any questions, please contact: Simon Schneiderbauer, E-mail: simon.schneiderbauer@jku.at.
Application deadline: October 31, 2017.

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.

Prospective applicants interested in the multifaceted position are requested to electronically send an application in adherence to the stated criteria together with the requested documentation via mail to andrea.scharinger@jku.at.



www.jku.at/ausschreibungen