



## Institute of Fluid Mechanics and Heat Transfer of Vienna University of Technology

invites applications for a

### **PhD Student Position in Simulation of turbulent bubbly flows**

**for 3 years, 40h/week**

in the group of Prof. A. Soldati. The research of the group is devoted to computational and experimental research on incompressible flows with a focus on multiphase flows.

#### Requirements:

The successful candidate must hold a master degree (or equivalent) in engineering or in physics.

We are looking for a motivated scientist having a profound knowledge of fluid mechanics and excellent numerical skills.

Experience with numerical fluiddynamic simulations would be of great advantage.

#### Tasks:

The project is in the frame of an Europe funded Marie-Curie Network and involves the simulation of turbulent bubbly flows. The candidate will use codes for the simulation of turbulent flows of drops existing in the Lab and will introduce new numerical models.

The work will be carried out in close cooperation with the other partner of the Network (University of Udine, Gdansk academy of sciences, Euro Heat Pipes and ESTECO). The candidate will cowork half of his time at the premises of ESTECO, Trieste, Italy. The position provides the opportunity for submission of a PhD thesis to TU Wien.

The minimum monthly remuneration is 2,794.00 EUR (pre-tax, 14x per year). Review of applications will begin February 1, 2019 and continue until the position is filled. In case of equal qualification women will be recruited preferentially.

Please submit your application including cover letter, CV, photo, all transcripts, list of publications, and contact information for two references to: TU Wien, attn. Mrs. B. Zerkhold, TU Wien, Institute of Fluid Mechanics and Heat Transfer, Getreidemarkt 9, A-1060 Vienna, Austria, or online to [birgit.zerkhold@tuwien.ac.at](mailto:birgit.zerkhold@tuwien.ac.at).