



The  
**Institute of Fluid Mechanics and Heat Transfer**  
of **Vienna University of Technology**  
invites applications for a

## **PhD Student Position**

for 3 years, 40h/week

in the group of Prof. H. C. Kuhlmann. The institute is devoted to theoretical and experimental research on compressible and incompressible flows with a focus on numerical fluid mechanics.

### **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 thermodynamics and excellent numerical skills. Experience with fluid-dynamical simulation software would be of great advantage.

### **Tasks:**

Duties involve applied research in turbulent multiphase flow including phase change. In particular, the compressible turbulent flow of water-steam-air mixtures is to be simulated and analyzed. The work will be carried out in close cooperation with a major industrial partner. The position provides the opportunity for submission of a PhD thesis to TU Wien.

The minimum monthly remuneration is 2,662.90 EUR (pre-tax, 14x per year). Review of applications will begin January 2, 2016 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, and contact information for two references to: TU Wien, attn. Mrs. B. Zerkhold, 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).