Applications are welcomed at any time.

Applications are invited for a Research Assistant/Associate position in the field of fluid dynamics, combustion, process/chemical engineering, aerosol science and particle dynamics. Research assistants may register for a Ph.D.

Our research focuses on various aspects of combustion modelling. Traditional research areas are the modelling of turbulent combustion processes, pollutant formation, analysis of flame structure and combustion regimes, ignition and chemical kinetics. New areas are multiphase reactive flows, high temperature synthesis of nanoparticles and Deep Learning.
Our current research is theoretical and numerical only!

You will be an enthusiastic and self-motivated person with a solid background in engineering mathematics, computational fluid dynamics and programming. Enthusiasm for computational projects is essential. A very good first MSc, MEng or equivalent degree in Mechanical Engineering, Chemical Engineering, Physics, Mathematics or any related subject is required. For applications at postdoctoral level, a PhD degree on a relevant topic, extensive experience in e.g. numerical techniques (such as the implementation in the context of Direct Numerical Simulation and/or Large-Eddy Simulation) and a proven track record in the field of fluid flow modelling or modelling of two-phase flows are expected. The ability to contribute to fundamental research will have been demonstrated.

The pay scale is according to TVL-E13. The grade and therefore the final salary will depend on your relevant experience.

We offer excellent potential for scientific development in the Institute for Combustion Technology (ITV) at the University of Stuttgart with state-of-the-art computer facilities and access to the University's supercomputing centre. The Institute's scientific language is English, but willingness and enthusiasm to study German is expected.

Please send an up-to-date CV and copies of all transcripts of your degree(s) to Ms Ricarda Schubert.
Electronic applications are welcome.

Ms R. Schubert
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