

PostDoc Position:

Free Drop-Particle Collisions in Air



Graz University of Technology, Austria
Institute of Fluid Mechanics & Heat Transfer



Project

The project is financed by the Austrian Science Fund (FWF) and hosted by the Institute of Fluid Mechanics and Heat Transfer of Graz University of Technology (Austria). The project, led by Assoc. Prof. Dr. Carole Planchette, aims:

- to better describe and understand the collisions between freely moving particles and drops
- to develop a model to predict collision outcomes for ideal, as well as wet and soft particles

The Post-Doc will assist the PhD and Master Students on the methodological side, with emphasis on: (i) implementing machine learning assisted image analysis, (ii) modifying experimental protocol to obtain wet and soft particles, (iii) deriving an analytical model describing the transition between the collision outcomes.

Profile

Candidates must hold a Doctorate degree in Fluid Mechanics. A background in capillary hydrodynamics and experience with experimental work is appreciated.

Proficiency in English (both oral and written) and good communication skills are required.

We are looking for a highly driven candidate, showing adaptability and motivated to work in an international research team.

Offer

Research assistant position at the TU Graz (Austria) in the international, multidisciplinary and dynamic work environment of the Institute of Fluid Mechanics and Heat Transfer, providing a top-quality supervision of the PhD studies.

Start / Duration: 01.10.2024 or later / 1 year

Full time employment

Salary according to Austrian collective agreement

Contact

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Institute of Fluid Mechanics and Heat transfer www.tugraz.at/institute/isw/home/

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