Research Assistant (PhD Position)
Drop-Jet collisions for advanced fiber production

Project
The project is financed by the Austrian Science Fund (FWF) and hosted by the Institute of Fluid Mechanics and Heat Transfer (www.isw.tugraz.at, Head: Prof. G. Brenn) of Graz University of Technology (TU Graz), Austria. The project is part of the research on liquid interfaces and fluid mechanics at the milli- and micro-meter scales. Such flows and interfaces are frequently found in industrial applications in the form of jets, drops, sprays, liquid films, etc. Despite being critical to many processes, the knowledge of these systems remains incomplete. The project, led by Dr. Carole Planchette, aims:
- to describe the collisions between drops and an immiscible continuous liquid jet,
- to make use of the liquid structures that form upon collisions to produce advanced fibers.

Profile
Candidates must hold a Master degree in Physics, Mechanical or Chemical Engineering or an equivalent degree. Though not compulsory, a background in fluid mechanics is welcome.
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
Full-time 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 top-quality supervision and the possibility to graduate with a Doctorate in technical sciences from Graz University of Technology.
Start / Duration: 01.10.2018 (or earlier) / 3 years.
Salary according to Austrian collective agreement.

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