

Kolloquium Thermo- und Fluiddynamik

CFD-Grade Experiments and Recent Developments in High-Resolution Measurement Techniques

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The advancement of Computational Fluid Dynamic (CFD) models necessitates the execution of carefully designed experiments and the further development of high-resolution instrumentation. Unfortunately, a large set of high-resolution experimental data published in the literature is unsuitable for the validation of CFD models.

The presentation will focus on recent developments in high-resolution measurement techniques to support the execution of CFD-grade experiments of single-phase buoyant flows and two-phase flows in complex geometries. In addition, guidelines on how to design and carry out CFD-grade experiments will be discussed.



Date: 23.02.2022
Time: 16:15h
Place: ETH Zurich, ML H 44
Host: Prof. Filippo Coletti, IFD