



Bubble Column Fluid Dynamics

Guest Editors:

Dr. Giorgio Besagni

Politecnico di Milano,
Department of Energy, Via
Lambruschini 4a, 20156 Milano,
Italy

Dr. Thomas Ziegenhein

Helmholtz-Zentrum Dresden-
Rossendorf e. V. Institute of Fluid
Dynamics, 01314 Dresden,
Germany

Deadline for manuscript
submissions:

closed (20 September 2018)

Message from the Guest Editors

Dear Colleagues,

The Special Issue aims to collect contributions of the state-of-the-art on the multi-scale fluid dynamics of bubble columns. The main focus of the volume is on bubble column fluid dynamics without and with mass transfer by using theoretical, experimental, and numerical modeling approaches. Contributions concerning (a) bubble size and shapes and (b) flow regime transition prediction and modeling are strongly encouraged.

Dr. Giorgio Besagni

Dr. Thomas Ziegenhein

Guest Editors

Keywords

- multi-phase
- bubble columns
- flow regime
- experimental
- CFD
- Gas holdup
- bubble size and shape
- multi-scale

