

Special Issue

Multiphase Flows and Particle Technology

Message from the Guest Editors

This Special Issue aims to curate original research papers, short communications, and reviews in the fields of multiphase flows and particle technology. Particularly, recent developments and applications of experimental and computational approaches to address longstanding challenges in understanding the relevant processes are highly welcome. Topics include, but are not limited to:

- Particle characterization and formulation;
- Synthesis and processing of particles;
- Granular flows, gas-liquid flows, gas-solid flows or liquid-solid flows;
- Measurement techniques for multiphase flows;
- Multiscale model and theory development;
- Fluid-solid coupling and its applications in energy extraction;
- Coarse-grained modeling theory development and application;
- Data-driven or machine learning methods for industrial processes.

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