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Computational Modeling of Multiphase Flow (II)

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Message from the Guest Editors

This Special Issue, entitled "Computational Modelling of Multiphase Flow", seeks high-quality works focusing on multiphase process modelling and applications in the mineral and metallurgical industries using advanced computational modelling techniques, such as Computational Fluid Dynamics (CFD), Discrete Particle Simulation (DPM), Direct Numerical Simulation (DNS), the Discrete Element Method (DEM), the Lattice Boltzmann Method (LBM), CFD–DEM, and Graphical Processing Unit (GPU)-based DEM. The scope of this Special Issue includes, but is not limited to:

- Particle–particle, particle–liquid, and gas–liquid–particle interactions/flows;
- Particle-scale modelling of particle-fluid flow coupled with heat and mass transfer;
- Rheological properties of particles and techniques for process simulation;
- Metallurgical processes;
- Combustion, pyrolysis, and gasification of biomass;
- Micro- and macro-dynamic analysis and nanotechnology;
- Particle flow, dispersion, and segregation;
- Applications of particle technology;
- Flows in porous media, granular flows, and other flows.

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Message from the Editor-in-Chief

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