

## **Minisymposium Title**

Computational Multiphase Flows

## **Description**

Flows of constituents of different phases are common in nature and engineering applications and an effective yet efficient simulation for prediction has long been desired but remains challenging. The difficulty results from the distinctive mechanical responses of each constituent phase when under loading which may cause peculiar phenomenon at the interface, near the flow boundary, and within the bulk. Hence, advances in numerical schemes and models for such flows play a major role in the recent progress of computational fluid dynamics. Research topics may range from model uncertainty, scheme limitation, robustness and choice, computation efficiency and accuracy, to post analysis of the numerical results.

Hence, this minisymposium welcomes works concerning the problems such as, but not limited to, flow interaction with solid, liquid or gas constituents, interface phenomenon, two- or three-phase flows and Non-Newtonian flows with equal interest in flow physics and simulation methods.

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