

# Special Issue

## Free surface flows

### Message from the Guest Editor

Free surface flows are flows that involve a mobile interface between a liquid and the surrounding immiscible atmosphere. They arise in many different contexts ranging from industrial applications to the natural environment. A key challenge associated with modelling such flows is the presence of a mobile interface and potentially a wetting front, where the liquid, solid, and surrounding atmosphere meet. Over the recent past, our understanding of such flows has grown considerably in part owing to the rapid combined development of numerical methods and computational resources. The purpose of this Special Issue is to collect state-of-the-art, recent results related to:

- Modelling of free surface flows: numerical methods and applications
- Measurements in free surface flows
- Benchmarking free surface flows
- Capillary and wetting phenomena in free surface flows
- Drops and bubbles
- Geophysical free surface flows: rivers, glaciers, and ocean
- Sloshing dynamics
- Inverse problems in free surface flows
- Non-Newtonian effects in free surface flows
- Free surface slamming
- Thin liquid film

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 June 2019)



## Fluids

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