Special Issue

Gas and Liquid Flows at Surfaces

Message from the Guest Editor

The focus of this Special Issue of Surfaces is on the recent advances in the realm of gas and liquid flows at surfaces. Modelling fluid flows past a surface is a general problem in science and engineering and requires unfolding the nature of the fluid motion at the interface. The interest of fluid motion changes from the no-slip condition to the finite slip at the surface while focusing on different scales, which provides the simulation-for-design capabilities. Particularly, the fluid flow past the surfaces in highly confined geometries is attracting the interests of various researchers. This Special Issue is to open the way for a state-of-the-art investigation of hydrodynamic flows at surfaces. Our Special Issue calls for the development of new methods for exploiting such complex interfacial systems. Theoretical predictions, numerical simulations, and experimental measurement (i.e., flow measurement techniques) are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2022)

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About the Journal

Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.
Surfaces is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

Editor-in-Chief

Prof. Dr. Gaetano Granozzi
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