



an Open Access Journal by MDPI

## Development and Applications of Kinetic Solvers for Complex Flows

Guest Editors:

**Prof. Dr. Chang Shu**

Department of Mechanical Engineering, National University of Singapore, Singapore, Singapore

**Dr. Yan Wang**

Temasek Laboratories, National University of Singapore, Singapore, Singapore

Deadline for manuscript submissions:

**closed (30 April 2018)**

### Message from the Guest Editors

This Special Issue will focus on the development and application of kinetic solvers for various flow problems. Topics of interest for publication include, but are not limited to:

- Lattice Boltzmann method/flux solver;
- Gas kinetic flux solver/scheme;
- Unified gas kinetic scheme;
- Discrete unified gas kinetic scheme;
- Discrete velocity method;
- Applications of kinetic solvers/schemes for various flow problems.



[mdpi.com/si/10701](https://mdpi.com/si/10701)

**Special** Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)