

9th Spring School

Lattice Boltzmann Methods

with *OpenLB* Software Lab

23. – 27. March 2026
Liverpool, UK

BEST
POSTER
AWARD

Programme

- Introduction to LBM theory, e.g.:
 - Kinetic theory, target PDEs
 - Boundary conditions
 - Dimensionalisation
 - Turbulence
 - Thermal flows
 - Multi-component flows
 - Parallelism
- Emphasis on modelling and simulation of complex fluid flows
- Mentored training on case studies and practical problems using *OpenLB*
- Working on your own project



Target Audience

- Beginners to LBM and *OpenLB* (**Option B**)
- Advanced *OpenLB* applicants & developers from industry and academia (**Option A**)
- Specialist's areas are engineering, physics, computer science, mathematics,

Invited Speakers (Preliminary)

- Pierre Boivin, M2P2, CNRS, France
- Julien Favier, M2P2, Aix-Marseille University, France
- Timm Krüger, University of Edinburgh, UK
- Halim Kusumaatmaja, University of Edinburgh, UK
- Tim Reis, University of Greenwich, UK
- Stephan Simonis, ETH Zürich, Switzerland

Registration

<https://www.openlb.net>

Registration fees include: printed course material, 5x lunch, 2x dinner (including Spring School dinner), social excursion, daily two coffee breaks, certificate of participation. Scholarships are available for students (MA or PhD candidates).



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101138305.



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This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 1011382947.

