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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Stéphane Popinet
Supervisor page	http://www.dalembert.upmc.fr/home/popinet/
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Institut Jean Le Rond d'Alembert http://www.dalembert.upmc.fr/ijlrda/
Research Team	Fluides Complexes et Instabilités Hydrodynamiques http://www.dalembert.upmc.fr/fcih/

Project Title

Numerical fluid mechanics using Basilisk

Project Description

Institut d'Alembert houses a collaborative team around the development of Basilisk, a free software program for the solution of partial differential equations (<http://basilisk.fr>), and its applications to various themes in fluid mechanics, e.g. two-phase flows and geophysics. Although any problem of fluid mechanics would be welcome, the applicant may include a project on free-surface flows using a multi-layer approach and/or singular flows using a self-similar description.

Keywords

fluid mechanics, numerical simulation, physical hydrodynamics

Description of the Host Research Lab

The Institut Jean Le Rond d'Alembert (d'Alembert) is a research laboratory dedicated to expanding the field of knowledge in all areas of Mechanics, Acoustics and Energy.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr