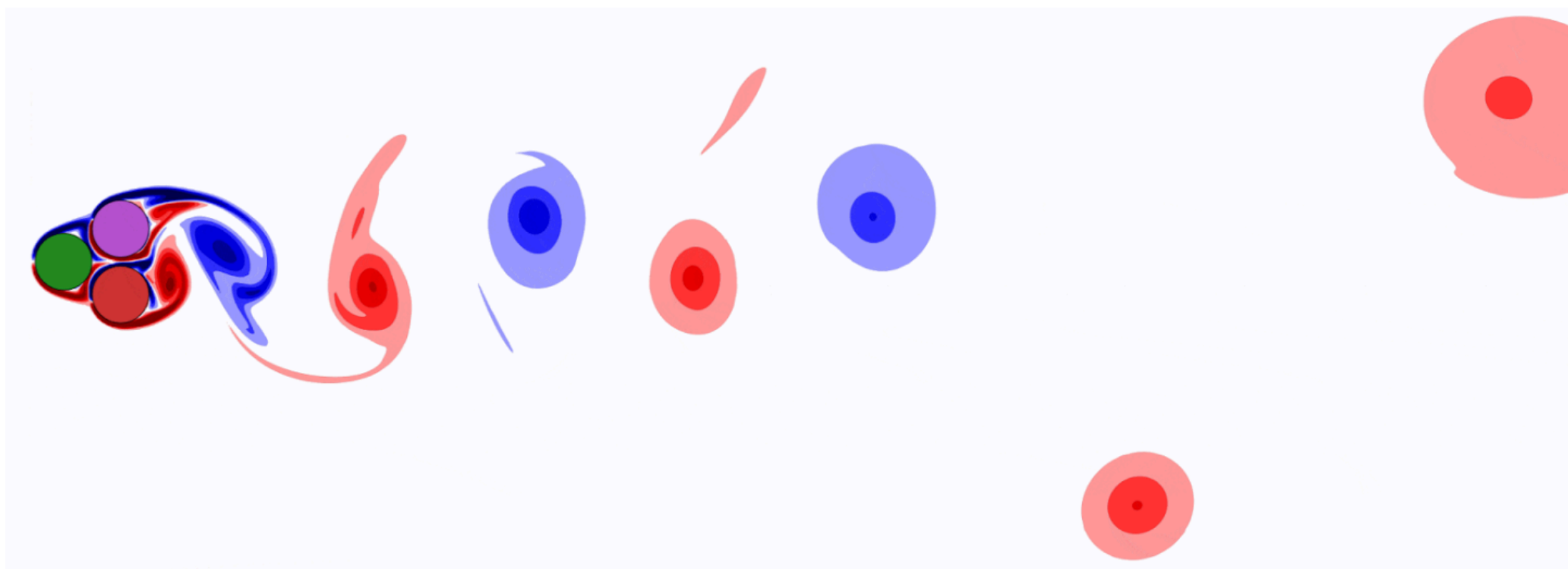




UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Dipartimento
di Ingegneria
e Scienze Applicate

Deriving optimal data-driven numerical schemes for implicit turbulence modelling in Julia

The seminar will present a framework for blending parametrized numerical schemes with Julia's optimization packages to find optimal implicit LES models.

The seminar will also include a brief introduction to Julia, the programming language implementing the framework, and the optimization method used to find optimal numerical schemes.

The seminar will be delivered interactively with the audience, with a live demonstration of the solver for the 1D viscous Burgers' equation.

SPEAKER

Dr. Bernat Font

Delft University of Technology

*If you plan to use your own device for the hands-on session, please install **Julia** (via Juliaup: <https://github.com/JuliaLang/juliaup>) and **Pluto.jl** (installation guide: <https://plutojl.org/#install>) in advance

February 24, 2026

14:00

Room A103

Engineering Campus

University of Bergamo

Viale Marconi 5, Dalmine

Hybrid format

(in-person and online)



[Online event](#)

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