



Department of Mechanics and Physics of Fluids

Research key words:

Dispersed media, Stokes flow with particles,
hydrodynamic interactions in suspensions,
effective transport coefficients, viscous flow, Padé approximants,
natural convection, flow with phase change, solidification, free surface flow,
image processing, turbulent mixing, electrospinning of nano-fibers,
experimental and computational methods,
modelling of convective flow in the atmosphere,
hydrodynamic interactions in clouds, validation of CFD codes,
Particle Image Velocimetry and Thermometry.