

# Index of Special Interest Groups by theme

## AERODYNAMICS

- 15 Ground vehicle aerodynamics
- 16 High speed experimental aerodynamics
- 37 User's forum for National Wind Tunnel Facility

## BIOLOGICAL

- 2 Biologically active fluids
- 4 Challenges in cardiovascular flow modelling
- 13 Fluid mechanics of the eye

## COMPLEX

- 10 Fluid dynamics of liquid crystalline materials
- 12 Fluid mechanics of nanostructured materials
- 20 Multi-scale and non-continuum flows
- 26 Non-Newtonian fluid mechanics
- 30 Quantum fluids

## ENVIRONMENTAL

- 14 Granular flows in the environment and industry
- 18 Marine hydrodynamics
- 21 Multi-scale processes in geophysical fluid dynamics
- 33 Surface and internal waves
- 39 Wave-structure interaction

## EXPERIMENTAL

- 1 Acoustofluidics
- 8 Experimental flow diagnostics (xFD)

## INDUSTRIAL

- 5 Combustion science, technology and applications
- 11 Fluid mechanics of cleaning and decontamination

- 27 Nuclear thermal hydraulics – advanced modelling, simulation and experimentation
- 29 Particulate matter filtration flows in automotive and marine applications
- 32 Sprays in engineering applications: modelling and experimental studies

## INSTABILITY & TURBULENCE

- 3 Boundary layers in complex rotating systems
- 7 Droplet and flow interactions with bio-inspired and smart surfaces
- 9 Flow instability, modelling and control
- 25 Non-equilibrium turbulence
- 34 Turbulent free shear flows
- 35 Turbulent skin-friction drag reduction
- 38 Wave turbulence

## MULTIPHASE

- 6 Drop dynamics
- 19 Mathematical challenges of nonlinear waves and interfacial dynamics
- 23 Multiphase flows and transport phenomena

## NUMERICAL

- 22 Multicore and Manycore Algorithms to Tackle Turbulent flows (MUMATUR)
- 24 Next generation time-stepping strategies for computer simulations of multi-scale fluid flows
- 28 Numerical optimisation with fluids
- 31 Smoothed particle hydrodynamics (SPH)

## URBAN

- 17 Low-energy ventilation
- 36 Urban fluid mechanics