Small-scale turbulence: Theory, Phenomenology and Applications August 13th - 25th, 2007

1st Day: Monday 13

Arrival and accomodation of participants

2 ^d Day: Tuesday 14		
9:00 - 10:30	A. Pumir :	Turbulence phenomenology and tetrads
11:00 - 12:30	C. Baudet :	Lagrangian investigation of turbulence: experimental techniques and
		statistical results.
16:30 - 17:30	D. Pullin :	Evidence for the existence of eddy-structure in fine-scale turbulence
17:30 - 18:30	D. Pullin :	Physical models for smallscale structures
18:45	Welcome dr	rink (with families)

3^d Day: Wednesday 15

9:00 - 10:30	P. Comte :	LES and SGS modelling of turbulent shear flows
11:00 - 12:30	C. Cambon :	Strongly anisotropic turbulence structure and cascade: stably stratified and
		rotating flows
17:00 - 18:00	Presentation	n of people and posters
18:00 – 19:00	Presentation	n of people and posters

4^d Day: Thursday 16

9:00 - 10:00	Free time for informal talks.	
10:30 - 12:30	A. Pouquet :	MHD turbulence.
17:00 - 18:00	R. Fox :	Micromixing model for turbulent reacting flow.
18:00 - 19:00	R. Fox :	Micromixing model for turbulent reacting flow.

5^d Day: Friday 17

9:00 - 10:30	F.X. Demoulin	: Some aspects of turbulent mixing in two phase flows.
11:00 - 12:30	B. Renou :	Towards 2-D measurements of small scales (velocity and scalar):
		principles and limitations. Application for a highly turbulent flow field.
17:00 - 18:00	R. Fox :	Micromixing model for turbulent reacting flow.
18:00 - 19:00	R. Fox :	Micromixing model for turbulent reacting flow.

6^d Day: Monday 20

9:00 - 10:30	R. A. Antonia :	On the correlation between small-scale velocity and scalar characteristics
		in a turbulent channel flow.
11:00 - 12:30	M. Cencini :	Active versus passive scalar turbulence.
17:00 – 18:00	D. Pullin :	Stretched vortices as a basis for for subgrid-scale modelling.
18:00 - 19:00	D. Pullin :	Large-eddy simulation of turbulence with the stretched-vortex SGS model.

7^d Day: Tuesday 21

9:00 - 10:30	Y. Kaneda :	DNS study of the universality at small scales of turbulence at high
		Reynolds number.
11:00 - 12:30	E. Villermaux :	Liquid fragmentation: from ligaments to drop size distribution.
17:00 - 18:00	A. Lanotte :	2-D turbulence.
18:00 - 19:00	A. Lanotte :	2-D turbulence.

8^d Day: Wednesday 22

9:00 - 10:30	E. Villermaux :	Scalar mixing: principle and consequences.
11:00 - 12:30	F. Anselmet :	Measurements in a hydrodynamical channel for environment.
17:00 - 18:00	J. Bec :	Preferential concentrations of impurities in turbulent suspensions.
18:00 - 19:00	J. Bec :	Preferential concentrations of impurities in turbulent suspensions.

9^d Day: Thursday 23

9:00 - 10:00	Y. Kaneda :	DNS study of the universality at small scales of turbulence at high
		Reynolds number
10:30 - 12:30	R. A. Antonia :	On the measurement of small-scale turbulence.
17:00 - 18:30	C. Baudet :	Turbulence measurements under extreme conditions: cryogenic flows.
18:30 - 19:30	Round table	

10^d Day: Friday 24

9:00 - 10:30	F. Anselmet :	Measurements in a hydrodynamical channel for environment.
11:00 - 12:30	Conclusions and <i>au revoir</i> .	