Week 1	Tuesday 15	Wed. 16	Thurs. 17	Friday 18	Saturday 19
Theme	Deformation kinematics in space and/or time random media	The Architecture of Mixtures	Mixing in frozen Complex Networks	Mixing and phase transitions/Chemical conversion	Mixing in and by Granular media and Suspensions
9:00-10:30	**M. Dentz** Diffusion, Dispersion, and Hydrodynamics	**P. Meunier** The diffuselet concept for scalar Mixing	**T. Le Borgne** Mixing and reaction in disordered media	**J. Schumacher** Modeling of transport and large-scale dynamics in turbulent convection flows	**B. Metzger** Mixing in and by sheared particulate suspension
Coffee Break					
11:00-12:30	**D. Lester** Kinematics, Chaos and Fluid deformation	**E. Villermaux** The Quantum Mechanics of Mixing	**J. Jimenez** Solute mixing and mixing-driven reactions in frozen complex networks: multiphase and bio-colonized systems	**A. De Wit** Chemo-hydrodynamic mixing and self-organized patterns	**P. Jop** Mechanisms of homogenization in granular media, dispersion, diffusion, segregation
Lunch					
14:00-16:30	Presentation of the experimental projects to be completed during the school All ESR pairs present the experiments On site visits of the experimental installations and groups assignment	Experimental work	Experimental work	CoPerMix PI's meeting 14:00-14:45 Experimental work	Experimental work
Coffee Break					
Theme		Short Talks/Blackboard sessions	Short Talks/Blackboard sessions	Posters	Interim presentations of the students projects
17:00-18:00	Experimental work	Short Talks (TBA)	Short Talks (TBA)	**Poster-Apéro**	Short Talks (TBA)
18:00-21:00	Welcome Cocktail				

Week 2	Monday 21	Tuesday 22	Wed. 23	Thurs. 24	Friday 25
Theme	Living Matter and Mixing	Mixing and Exhalations	Motility and Mixing	Mixing at the Earth scale	Mixing, Crystallization and Evaporation
9:00-10:30	M. Vergassola Learning to navigate turbulent environments	L. Morawska Particles from human respiratory activities: generation, emission, transport in the air and their role in airborne infection transmission	E. Lauga Active flows in Living systems	C. Caulfield Mixing up the Climate	N. Shahidzadeh Crystallization from evaporating solutions
Coffee Break					
11:00-12:30	S. Lorthois Mechanisms underlying heterogeneity of blood flow and transport in the brain microcirculation	D. Lohse Droplets and Bubbles in turbulence: the importance of mixing	E. Clément Dispersion and mixing in bacterial fluids	W. R. Young Mixing up the Ocean	L. Cueto Multiphase flow and mixing in hydrogen storage in porous formations
Lunch					
14:00-16:30	Experimental work	Experimental work	Experimental work	Experimental work	Reporting by the students on their experimental achievements in front of all…
Coffee Break					
Theme	Short Talks	Mixing in Cities	Soft Mixing	Short Talks	
17:00-18:00	Short Talks (TBA)	R. Pellenq Mixing/de-Mixing in cities: From urban texture to urban climate	O. Detournay Novel bio-production method for innovative therapies	Short Talks (TBA)	… continuation and end of reporting
	Blackboard sessions	Blackboard sessions	Blackboard sessions	Blackboard sessions	Closure Cocktail
19:00-20:00		L. Bourouiba Public Conference		BBQ	