Monday March 23			
Time Speaker	Title		
08:00 Registration			
08:50 Paul Linden - Welcome			
09:00 Caulfield	A century of turbulent motion in fluids		
09:40 Eaves & Caulfield	Minimal seeds for turbulence in stratified plane Couette flow		
10:00 <u>Kaminski</u> , Caulfield & Taylor	Transient stability of stratified shear layers		
10:20 Hunt, Moustaoui, Mahalov, Ishihara, Westerweel & Braz			
10:40 Sozza, Boffetta, Muratore-Ginanneschi & Musacchio	Dimensional transition of energy cascades in stably stratified thin fluid layers		
Coffee break			
11:30 Maffioli & Davidson	Overturning scales in stratified turbulence		
11:50 Verso, van Reeuwijk, Gurka, Diamessis, Taylor & Liberz	zon Experimental study of the initial growth of a localized turbulent patch in a stably stratified fluid		
12:10 Ecke & Odier	Local Thorpe length analysis of stratified turbulent shear flow		
12:30 Gostiaux & van Haren	Characterization of turbulent overturns in stratified turbulence		
Lunch break			
14:00 <u>Craske</u> & van Reeuwijk	Mixing and dispersion in unsteady plumes		
14:20 Camassa, McLaughlin & <u>Tzou</u>	Optimal mixing of buoyant jets and plumes in stratified fluids: theory and experiments		
14:40 Woods, Lin & Caulfield	Buoyancy-driven mixing by turbulent shear dispersion		
15:00 <u>Caudwell</u> , Flor & Negretti	On a wall plume in a closed cavity		
15:20 <u>Mingotti</u> & Woods	Particle-laden plumes in confined spaces		
15:40 Segalini	A spectral model of stratified surface-layer turbulence		
Tea break			
16:30 Monismith, Squibb, Walter, Woodson, Dunkley, Pawlak & Koseff Direct measurements of turbulent buoyancy fluxes in the nearshore coastal ocean			
16:50 Merrifield, Laurent & Owens	Surface boundary layer turbulence in the Drake Passage region of the Southern Ocean		
17:10 <u>Geyer</u> , Lavery & Holleman	Measurements of the structure of shear instabilites at high Re		
17:30 <u>Cyr</u> & van Haren	On the efficiency of turbulent mixing in the ocean: observations above a deep sloping topography		

Tuesday March 24	
Time Speaker	Title
09:00 <u>Alfredsson</u> , Kawata & Suryadi	Rotating plane Couette flow: some aspects of its stability and structures
09:40 Augier, Partridge, Caulfield, Dalziel & Linden	Experimental study of mixing mechanisms in stably stratified Taylor-Couette flow
10:00 <u>Harlander</u> , Seelig, Gellert, Viazzo, Randriamampianina, Egbers & Rüdiger	Stratorotational instability: nonlinear aspects at higher Reynolds numbers
10:20 Asselin & Bartello	Rotating stratified turbulence at the tropopause
10:40 LeBars, Aubert & Le Gal	Vortices in a rotating stratified environment: shape, lifetime and layering
Coffee break	
11:30 <u>Yim</u> , Billant & Mènesguen	Stability of pancake vortices in stratified rotating fluids
11:50 Jacobitz, Schneider & Farge	On acceleration statistics in turbulent stably stratified shear flows
12:10 Delache, Godeferd & Cambon	Scale-by-scale anisotropy in freely decaying stably stratified turbulence
12:30 <u>Arthur</u> & Fringer	Turbulent mixing and transport by breaking internal solitary waves on slopes
Lunch break	
14:00 <u>Rehmann</u> , Li, Wang, Waldman & Hu	Two-dimensional measurements of turbulence and mixing driven by internal waves impinging on a slope
14:20 Odier, Maurer, Bourget, Scolan, Le Bars, Dauxois & Joubaud	Mixing by internal waves: the role of parametric subharmonic instability
14:40 Sutherland	Parametric subharmonic instability and energy cascades from internal modes in non-uniformly stratified fluid
15:00 Lerisson & Chomaz	Global instability of an internal wave beam
15:20 Ferron, Bouruet-Aubertot, <u>Cuypers</u> , Schroeder, Borghini, Leizour & Bryden	Observations of diapyncal mixing in the western Mediterranean Sea
15:40 <u>Cimatoribus</u> & van Haren	Temperature statistics above a deep-ocean sloping boundary: turbulence, intermittency and signs of convection
Tea break	
16:30 Andreotti, Fourrière, Ould-Kaddour, Murray & <u>Claudin</u>	Average thickness of the atmospheric convective boundary layer
16:50 Burlot, Gréa, Godeferd, Cambon & Griffond	Spectral modelling for unstably stratified homogeneous turbulence
17:10 Kaye & Baratian-Ghorghi	Flushing of a stably stratified urban canyon

	Wednesday March 25	
Time	Speaker	Title
	09:00 Riley	Effects of strong stable stratification on motions at large horizontal scales
	09:40 Lindborg	Equipartition and rotational energy in stratified turbulence
	10:00 <u>Deusebio</u> , Caulfield & Taylor	The intermittent dynamics in stratified plane Couette flow
	10:20 <u>Taylor</u> & Deusebio	An exploration of the laminar/turbulent transition boundary in stratified plane- Couette flow
	10:40 Khani & Waite	Large eddy simulations of stratified turbulence at the buoyancy scale
Coffee	break	
	11:30 Ottolenghi, Adduce, Inghilesi, Roman & Armenio	Mixing in density currents flowing up a slope
	11:50 <u>Negretti</u> , Hopfinger & Flor	Gravity currents over concave slopes
	12:10 <u>van Reeuwijk</u> , Holzner & Jonker	Direct simulation of turbulent entrainment in gravity currents
	12:30 Basley & Billant	Nonlinear evolution of the zigzag instability in stratified rotating fluids
Lunch	break	
	14:00 Salehipour & Peltier	On characterising irreversible mixing and diffusivity in shear-induced stratified
		turbulent flows
	14:20 <u>Olsthoorn</u> & Dalziel	Mixing efficiency of eddies in a confined volume
	14:40 <u>Hughes</u> , Copeland, Dossmann, Griffiths, Kamitakahara, Kerr, Rosevear-Gamble & Qin	Mixing efficiency in turbulent plumes and fountains
	15:00 White & Scotti	On the mixing efficiency of turbulent stratified flows
	15:20 Tailleux	Molecular control of turbulent diapycnal mixing in the ocean thermocline
Tea br	eak END OF CONFERENCE	

Posters	
Name	Title
Bonnebaigt, Caulfield & Linden	How time-varying heating of a wall changes the stratification in a room
Burlot, Gréa, Griffond & Soulard	Self-similar regimes in unstably stratified homogeneous turbulence
Burridge & Hunt	Turbulent entrainment and the implications for entrainment across density interfaces
Chakravarthy, Lesshafft & Huerre	Buoyancy-driven instability in plumes
Facchini, Le Bars & Duval	Mixing of a stratified fluid by a turbulent jet
Foroozani, Niemela, Armenio & Sreenivasan	Confinement shape influence on scaling of turbulent Rayleigh Bénard convection
Huq	Measurements of the evolution of turbulent velocities and buoyancy flux in stably stratified flows
Meunier, Huck and Villermaux	Barriers of mixing in 2D flows: a new experimental tool using stratified flows
Randriamampianina, Harlander, Vincze, von Larcher & Viazzo	Inertia gravity waves linked to baroclinic waves in a rotating, differentially heated annulus with an upper free surface
Tomas, Pourquie, Eisma & Jonker	The effect of stable stratification on boundary layer development and pollutant dispersion behind an obstacle
Vincze, Le Gal & <u>Harlander</u>	Baroclinic instability in an initially stratified differentially heated rotating flow
von Larcher, Harlander, Randriamampianina & Viazzio	Application of advanced methods of time-series analysis for investigating multi-scale flow phenomena in a thermally driven rotating annulus