

## DAY 1 – Wednesday, October 23, 2013

9:30 – 9:45		Registration
9:45 – 10:00		Welcome
10:00 – 10:20		D. Asendrych      Short Term Scientific Missions: enhancing ESR mobility
SESSION 1 CHAIR		FIBER SUSPENSION FLOW MODELING Cristian Marchioli
TIME	SPEAKER	TITLE
10:20 – 10:40	J.-P. Minier (WG3)	Stochastic modelling and issues for fibers
10:40 – 11:00	M.G. Rasteiro (WG2)	Modelling concentrated fiber suspensions flow using different low Reynolds k-epsilon models
11:00 – 11:20	N.R. Challabotla (WG3)	Gravity effects on turbulent fiber suspension flow in a vertical channel: first results
11:20 – 11:40	M. De Corato (WG3)	Diffusion of ellipsoidal particles near a wall
11:40 – 12:00 COFFEE BREAK		
SESSION 2 CHAIR		NON-SPHERICAL PARTICLES Helge Andersson
TIME	SPEAKER	TITLE
12:00 – 12:20	M. Simeoni (WG1)	Drag reduction by bio-polymer additives in industrial size turbulent pipe flow
12:20 – 12:40	L. Scarbolo (WG3)	Wall drag modification by large droplets in turbulent channel flow
12:40 – 13:00	K. Gustafsson (WG3)	Tumbling of non-spherical particles in random velocity fields
13:00 – 15:00 LUNCH		
SESSION 3 CHAIR		EXPERIMENTAL STUDIES Juha Salmela
TIME	SPEAKER	TITLE
15:00 – 15:20	P. Faia (WG1)	Pilot rig fibers suspensions characterisation using electrical impedance tomography: Some test cases
15:20 – 15:40	A.A. Hoseini (WG1)	Experimental study of fibre behaviour in wall turbulence
15:40 – 16:00	J. Kolehmainen (WG1)	Interference based Particle Tracking Velocimetry in Fluidized Beds
16:00 – 16:20 COFFEE BREAK		
16:30 – 17:30		Visit to the local pilot rig and labs
19:30-22:00 SOCIAL DINNER at Osteria "Ai Frati" (Piazzetta Antonini 5, 33100, Udine)		

## DAY 2 – Thursday, October 24, 2013

9:40 – 10:20 R. Powell (KEYNOTE) Application of Magnetic Resonance Imaging to the Study of Fiber Suspensions		
SESSION 4 CHAIR	MULTIPHASE MODELLING OF FIBER SUSPENSIONS Fredrik Lundell	
TIME	SPEAKER	TITLE
10:20 – 10:40	D. Queteschiner (WG3)	LIGGGHTS Open Source DEM: Coupling to DNS of Turbulent Channel Flow
10:40 – 11:00	C. Marchioli (WG3)	On the slip velocity of rigid fibers in wall-bounded flows
11:00 – 11:30 COFFEE BREAK		
SESSION 5 CHAIR	RHEOLOGY OF FIBER SUSPENSIONS Maria Graça Rasteiro	
TIME	SPEAKER	TITLE
11:30 – 11:50	T. Rosen (WG3)	Rheology of dilute suspensions containing prolate spheroids: The effect of inertia
11:50 – 12:10	J. Salmela (WG1)	Rheological characterization of micro-fibrillated cellulose fibre suspension using multi scale velocity profile measurements
12:10 – 12:30	M. Coletti	TA Instruments -Rheology of structured fluids (TBC)
12:30 – 14:30 LUNCH		
SESSION 6 CHAIR	MIXED TOPICS Pentti Saarenrinne	
TIME	SPEAKER	TITLE
14:30 – 14:50	J. Ravnik (WG3)	Modelling of shear lift force for non-spherical particles in viscous flows
14:50 – 15:10	S. Skali-Lami (WG2)	Wall mass transfer of viral particles in the no flow conditions and under controlled wall shear rate
15:10 – 15:30	A. Capone (WG1)	Experimental analysis of fiber dispersion in a turbulent jet
15:30 – 15:50 COFFEE BREAK		
15:50 – 17:50 WG Meetings		

## DAY 3 – Friday, October 25, 2013

10:00 – 12:00 MC Meeting	(at CISM)
12:00 – 12:10	MC Meeting Closure
12:10 – 13:30 LUNCH	