

DAY 1 – Wednesday, March 06, 2013

14:00 – 14:20		Registration
14:20 – 14:30		Welcome
14:30 – 14:40		C. Marchioli WG3 Short Term Scientific Missions: enhancing ESR mobility
SESSION 1	CHALLENGING ISSUES IN MODELING AND EXPERIMENTS	
CHAIR	Maria Graça Rasteiro	
TIME	SPEAKER	TITLE
14:40 – 15:10	S.W. Park	Multiscale CFD for solid-fluid modeling (KEYNOTE)
15:10 – 15:30	M. Campolo (WG1)	Drag reduction by fibers and polymers: open issues
15:30 – 15:50	R. Ouchene (WG3)	Analysis of hydrodynamic forces on non spherical particles
15:50 – 16:20 COFFEE BREAK		
SESSION 2	MULTIPHASE MODELLING OF FIBER SUSPENSIONS	
CHAIR	P. Tavares Ferreira	
TIME	SPEAKER	TITLE
16:20 – 16:40	J.R. Angilella (WG3)	On the combined effect of inertia and Brownian motion on the orientation of rods in a shear flow. Asymptotic and stochastic analyses
16:40 – 17:00	C. Marchioli (WG3)	On the rotation of elongated fibers in wall shear turbulence
17:00 – 17:20	C. Cotas (WG2)	Numerical simulation of the flow of fiber suspensions in pipes with modified velocity profiles
17:20 – 17:40 S. Skali-Lami (WG2) Effect of wall shear rate on wall flux of bacteria		
20:00-23:00 SOCIAL DINNER at Best Western Hotel D. Luis (transfer by bus from/to hotels to/from restaurant at 19:30/23:00)		

DAY 2 – Thursday, March 07, 2013

SESSION 3	EXPERIMENTAL STUDIES	
CHAIR	J.C. Roux	
TIME	SPEAKER	TITLE
09:30 – 09:50	P. Faia, B. Branco (WG1)	2D imaging of fibers using Electrical Impedance Tomography: latest developments
09:50 – 10:10	P. Saarenrinne (WG1)	Flocculation in accelerating flow
10:10 – 10:30	P. Krochak (WG1/2/3)	Toward accurate measurement of the interphase slip velocity: A comparative investigation of MRI and UVP measurement of fibre suspension flow
10:30 – 10:50	S. Skali-Lami (WG2)	Flow of NFC suspensions in Couette device - MRI investigations
10:50 – 11:10 COFFEE BREAK		
SESSION 4	RHEOLOGY OF FIBER SUSPENSIONS	
CHAIR	Fernando Garcia	
TIME	SPEAKER	TITLE
11:20 – 11:40	A. Sorvari (WG1)	Flow behavior of MFC suspension
11:40 – 12:00	S. Haavisto (WG1)	Rheological characterization of fibre suspensions using multi scale velocity profile measurements
12:00 – 12:20	J.C. Roux (WG2)	The refining process and its effects on fibres interpreted through the lubrication theory
12:20 – 12:40	H.I. Andersson (WG3)	Long fibers in turbulent channel flow: effects of inertia on concentration, orientation and fiber stresses

12:40 – 14:30 LUNCH

14:30 – 17:00

Visit to the local pilot rig and labs

21:00-23:00 Musical event at the Fado house (Entrance ticket: 10 EUR, please contact the local organizers to join the event)

DAY 3 – Friday, March 08, 2013

09:30 – 11:30 WG Meetings

11:00 – 11:45 COFFEE BREAK

11:45 – 13:00 MC Meeting

13:00 – 13:10

MC Meeting Closure

13:10 – 14:30 LUNCH