

HSC8_HERCULES Specialized Courses: "Synchrotron Radiation and Neutrons techniques in Environmental Sciences" (4-bunch period)

	Sunday 18/05/2008	Monday 19/05/2008	Tuesday 20/05/2008	Wednesday 21/05/2008	Thursday 22/05/2008	Friday 23/05/2008	
8:00			SAFETY TRAINING 8h00 - 9h00	Practicals - 8h30-12h30	Practicals - 8h30-12h30		8:00
8:30		8h30 General Introduction J.R. Regnard and S. Larsen	Common training for HSC7 and HSC8 in the ESRF Auditorium	Chemical Mapping (FTIR) - ID21 Group [1]	Chemical Mapping (FTIR) - ID21 Group [3]		8:30
9:00		General Introduction A. Manceau 9h00-10h30	Computed tomographies X-rays and neutrons P. Bleuet 9h00-10h30	J. Susini	J. Susini	Humics and soils J. Prietzel 9h00-10h15	9:00
9:30				Chemical Mapping (XRF) - ID21 Group [2]	Chemical Mapping (XRF) - ID21 Group [4]		9:30
10:00				M. Rak	M. Rak		10:00
10:30		COFFEE/ TEA	COFFEE/ TEA	EXAFS - BM30B Group [3]	EXAFS - BM30B Group [1]	COFFEE/ TEA	10:30
11:00		X-ray instr. -Focusing Optics R. Barrett 11h00-11h45	Low energy spectro-microscopies principles and applications K. Benzerara 11h00-12h30	J.L. Hazemann	J.L. Hazemann	Waste management J. Rose 10h45-11h45	11:00
11:30		X-ray instr. - EDS-WDX systems J. Morse 11h45-12h30		Computed Tomography - BM5 Group [4]	Computed Tomography - BM5 Group [2]		11:30
12:00				P. Tafforeau	P. Tafforeau	Neutron scattering applications N. Skipper 11h45-12h45	12:00
12:30		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH ESRF Canteen	12:30
13:00							13:00
13:30							13:30
14:00		X-ray micro-fluorescence principles and applications A. Somogyi 14h00-14h45	Scattering techniques + XPCS + QENS P. Levitz 14h00-15h30	Practicals - 14h00-18h00	Practicals - 14h00-18h00	Conclusion and outlook K. Janssens 14h00 - 15h30	14:00
14:30		Applications of Synchrotron Infrared Microscopy in Environmental Research P. Dumas 14h45-15h30		Chemical Mapping (FTIR) - ID21 Group [4]	Chemical Mapping (FTIR) - ID21 Group [2]		14:30
15:00				J. Susini	J. Susini		15:00
15:30		COFFEE/ TEA	COFFEE/ TEA	Chemical Mapping (XRF) - ID21 Group [1]	Chemical Mapping (XRF) - ID21 Group [3]	COFFEE/ TEA	15:30
16:00		Tutorial Spectra and image processing A. Sole 16h00-18h00	X-ray absorption spectroscopies XAS, ED-XAS and RIXS S. Pascarelli 16h00 - 17h00	M. Rak	M. Rak	F. Guyot	16:00
16:30				EXAFS - BM30B Group [2]	EXAFS - BM30B Group [4]	Common lecture for HSC7 and HSC8 in the ESRF Auditorium 16h00 - 17h30	16:30
17:00				J.L. Hazemann	J.L. Hazemann		17:00
17:30			Surface properties K. Nagy 17h15 - 18h15	Computed Tomography - BM5 Group [3]	Computed Tomography - BM5 Group [1]		17:30
18:00	Registration at The Hotel Suisse et Bordeaux Followed by a cold Buffet 18h00 to 20h00		Wine and Cheese	P. Tafforeau	P. Tafforeau	Farewell cocktail Dinner at ESRF canteen	18:00
18:30			Poster Session 18h00 - 20h00				18:30
19:00		DINNER ESRF canteen		DINNER ESRF canteen	DINNER Restaurant in Grenoble		19:00

Lectures will take place in the ESRF room 500 (except the common lecture in the Auditorium)

Tutorials will take place in the ESRF computing training room