

(draft programme) HSC10: HERCULES Specialised Courses: Synchrotron Radiation Techniques contribution to Nanoscience (4-bunch period)

	Monday 18/05/2009	Tuesday 19/05/2009	Wednesday 20/05/2009	Thursday 21/05/2009	Friday 22/05/2009	
8:30	Registration Welcome	Cristian Mocuta scanning mXRD imaging	Practicals - 8h30-12h30 ID08	Practicals - 8h30-12h30 ID01 CDI		8:30
9:00	Alain Fontaine Nanoscience/ an Introduction <u>9h00 - 10h30</u>	Michael FARLE Nanomagnetism I <u>9h00- 10h30</u>	J. Vogel	T.H. Metzger	Julian Stangl Example of nanoscience with x-rays From ensemble average to single object properties <u>9h00 - 10h00</u>	9:00
9:30			ID01 CDI	ID22NI (NI & fluo)		9:30
10:00			T.H. Metzger BM29 (XAS)	G. Martinez /P. Glatzel ID13 scan n-diff.	Richard Ortega Cells <u>10h00 - 10h45</u>	10:00
10:30	COFFEE/ TEA	COFFEE/ TEA	S. Pascarelli/O. Mathon	M. Burghammer	COFFEE/ TEA	10:30
11:00	Christian David Optics/focusing, Be CRL, FZP, waveguid wavefronts, coherence, phase contrast images, CDI, ... <u>11h00 - 12h30</u>	Mark Newton Oxydation, catalysis, nanoparticles <u>11h00 - 12h30</u>	ID13 scan n-diff.	BM29 (XAS)	Olivier Tillement <u>11h15 - 11h45</u> Nano-particles for biomedical purposes	11:00
11:30			M. Burghammer	S. Pascarelli/O. Mathon		11:30
12:00					Jean-Michel GERARD Semiconductor nanostructures for photonics <u>11h45 - 12h30</u>	12:00
12:30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	12:30
13:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	13:00
13:30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	13:30
14:00	Laszlo Vincze Fluorescence techniques applied for nanoscience <u>14h00 - 15h00</u>	Jan Vogel Nano-Magnetism II/ PEEM <u>14h00 - 15h30</u>	Practicals - 14h00-18h00 ID08	Practicals - 14h00-18h00 ID01 CDI	Carlo Lamberti Applications in nano-electronics <u>14h00 - 15h00</u>	14:00
14:30	Thomas Cornelius Nano indentation		J. Vogel	T.H. Metzger	Henri Mariette <u>15h00-15h30</u> Talking to a single spin with the language of nanoelectronics	14:30
15:00	COFFEE/ TEA		COFFEE/ TEA	ID01 CDI	ID22NI (NI & fluo)	15:00
15:30	COFFEE/ TEA	COFFEE/ TEA	T.H. Metzger	G. Martinez /P. Glatzel	COFFEE/ TEA	15:30
16:00	ESRF Safety Training - 30 mn	Cristian Mocuta Introduction in data evaluation from 2D reciprocal space maps to 3D data vizualisation in Q space (in front of the screen) <u>16h00 - 18h00</u>	BM29 (XAS)	ID13 scan n-diff.	Alexandre Simionovici Earth and planetary sciences <u>16h - 16h45</u>	16:00
16:30	Armando Sole X-ray fluorescence analysis PyMca for spectrum evaluation, compositional quantification (in front of the screen) <u>16h30-18h30</u>		S. Pascarelli/O. Mathon	M. Burghammer	Marine Cotte Cultural heritage materials <u>16h45 - 17h30</u>	16:30
17:00			ID13 scan n-diff.	BM29 (XAS)	Questionnaire / discussion <u>17h30 - 18h00</u>	17:00
17:30		M. Burghammer	S. Pascarelli/O. Mathon	Alain Fontaine <u>18h00 - 18h30</u> Conclusion	17:30	
18:00		Wine and Cheese + Poster Session			Farewell cocktail	18:00
18:30						18:30
19:00	DINNER ESRF canteen	DINNER ESRF canteen	DINNER ESRF canteen	DINNER Restaurant Grenoble	DINNER ESRF canteen	19:00

Lectures will take place in the ILL auditorium - Tutorials will take place in the ESRF computing training room