

PRACTICALS will be conducted by: -Alexei Bosak on:

[ESRF beamline ID28](#)

- Yriy Chushkin on:

[ESRF beamline ID10](#)

- Paul Steffens on:

[ILL instrument IN3](#)

- Mohamed Zbiri on:

[ILL instrument IN6](#)

HERCULES Specialised Course: Dynamical properties investigated by neutrons and synchrotron X-rays (HSC17) LECTURES WILL TAKE PLACE IN THE LOB-1-45 BUILDING MEETING ROOM							
	Sunday 14/09/2014	Monday 15/09/2014 Meeting room LOB-1-45	Tuesday 16/09/2014 Meeting room LOB-1-45	Wednesday 17/09/2014	Thursday 18/09/2014	Friday 19/09/2014 Meeting room LOB-1-45	
08:30		Introduction		Practicals - 8h30-12h30	Practicals - 8h30-12h30		08:30
09:00		Introduction to Dynamical properties of materials Helmut Schober (ILL)	Quasi-elastic neutron scattering Miguel Gonzalez (ILL)	Group [1] on ESRF beamline ID28	Group [3] on ESRF beamline ID28	Thermoelectric materials Benedikt Klobes (FZ Jülich)	09:00
09:45							09:45
10:30		COFFEE/ TEA EMBL/ILL common hall	COFFEE/ TEA EMBL/ILL common hall	Group [2] on ESRF beamline ID10	Group [4] on ESRF beamline ID10	Catalysis and porous materials Hervé Jobic (IRCE Lyon)	10:30
11:00		Introduction to inelastic neutron scattering Marek Koza (ILL)	Neutron spin echo spectroscopy Peter Fouquet (ILL)	Group [3] on ILL instrument IN3	Group [1] on ILL instrument IN3	Superconductors Paul Steffens (ILL)	11:00
			Introduction to Nuclear Inelastic Scattering A. Chumakov (ESRF)	Group [4] on ILL instrument IN6	Group [2] on ILL instrument IN6	Magnetic excitations studied by X-rays Marco Moretti-Sala (ESRF)	11:45
12:30		LUNCH epn campus restaurant	LUNCH epn campus restaurant	LUNCH epn campus restaurant	LUNCH epn campus restaurant	LUNCH epn campus restaurant	12:30
14:00		Introduction to inelastic x-ray scattering Michael Krisch (ESRF)	X-ray photon correlation spectroscopy Anders Madsen (XFEL)	Practicals - 14h00-18h00	Practicals - 14h00-18h00	Dynamics of glassforming liquids and polymers at large scale facilities C. Alba-Simionesco (LLB Saclay)	14:00
				Group [4] on ILL instrument IN3	Group [2] on ILL instrument IN3		14:45
						Dynamics of biological systems Francesca Natali (ILL)	
15:30		COFFEE/ TEA EMBL/ILL common hall	COFFEE/ TEA EMBL/ILL common hall	Group [1] on ESRF beamline ID10	Group [3] on ESRF beamline ID10	COFFEE/ TEA EMBL/ILL common hall	15:30
16:00		visit ESRF	visit ILL	Group [2] on ESRF beamline ID28	Group [4] on ESRF beamline ID28	Dynamical properties investigated by neutrons and synchrotron X-rays: Applications in Earth and Planetary Daniele Antonangeli (Paris)	16:00
						Structural relaxation in glasses at the atomic scale Beatrice Ruta (ESRF)	16:45
17:30	Registration in the ESRF entrance hall			Group [3] on ILL instrument IN6	Group [1] on ILL instrument IN6		
18:00	BUFFET epn campus guesthouse	DINNER epn campus restaurant	Wine and Cheese Poster Session ESRF entrance hall			Conclusions	17:30
				DINNER epn campus restaurant	DINNER restaurant downtown Grenoble	Farewell cocktail (restaurant cafeteria) DINNER epn campus restaurant	