



Structure of disordered systems

opening celebration of the new 7C2 diffractometer

at LLB, conference room, bât 563, CEA/Saclay, Gif-sur-Yvette



Monday, September 16th

12:30-14:00	<i>Welcome at LLB, buffet lunch</i>	
14:30-15:15	<i>7C2</i>	
	14:30 Historical review	Marie-Claire Bellissent-Funel
	14:50 The new 7C2 diffractometer	Brigitte Beuneu, and the 7C2 team
15:15 -16:45	<i>Oxide glasses, Glasses for Geoscience</i>	
	15:15 Modélisation atomistique de la structure et du comportement mécanique de verres nucléaires simplifiés	Jean-Marc Delaye
	15:45 Structural modifications between oxide glasses and melts	Laurent Cormier
	16:15 Modelling of conduction pathways in ion conducting glasses from diffraction studies	Jan Swenson
16:45-17:00	<i>Coffee break</i>	
17:00 -18:30	<i>Chalcogenides and Oxide glasses</i>	
	17:00 Chalcogen liquids : from fundamental studies to potential applications	Vanessa Coulet
	17:30 Peierls distortion, negative thermal expansion and phase change materials : when density matters	Jean-Pierre Gaspard
	18:00 Structural Characterisation of Doped Bioactive Glasses using Neutron Diffraction with Isotopic Substitution	Gabriel Cuello
19:15	<i>Departure for the dinner</i>	

Tuesday, September 17th

9:30-11:00	<i>Molecular and atomic liquids</i>	
	09:30 Investigation of structural disorder by Reverse Monte Carlo methods	Laszlo Pusztai
	10:00 neutron scattering of floating water bridges	Elmar Fuchs
	10:30 Can we still learn something studying simple systems?	Renato Magli
11:00-11:30	<i>Coffee break</i>	
11:30-12:30	<i>Complex liquids</i>	
	11:30 Structure and dynamics of ionic liquids: A combined approach using X-ray diffraction, neutron spectroscopy and computer simulations	Miguel Angel Gonzalez
	12:00 Structure of functional oxides: probing different length-scales using PDF analysis	Michela Brunelli
12:30-14:00	<i>lunch at the canteen and coffee at LLB</i>	
14:00-15:00	<i>visit of 7C2</i>	

Tuesday, September 17th (continued)

15:00-16:30			<i>Polymers, mixtures and solutions</i>
	15:00	Structural Determination of Local Order in Polymers with Complex Monomeric Units	Anne-Caroline Genix
	15:30	Ionic Liquids : an intimate interplay between structure and dynamics	Patrick Judeinstein
	16:00	Evolving themes in neutron scattering from liquids and disordered materials	Daniel Bowron

16:30-17:00

Coffee break

17:00-18:00			<i>Polymers, mixtures and solutions</i>
	17:00	Solid state amorphization of molecular and pharmaceutical materials	<u>Marc Descamps</u> , Jean-François Willart
	17:30		Pierre-Arnaud Artola
18:00-19:00			Discusion on the data treatment
			D. Bowron, L Pusztai, G. Cuello

19:15

*Departure for the dinner***Wenesday, September 18th**

9:30-11:00			<i>Liquids under constraint</i>
	09:30	Networks under pressure	Philip Salmon
	10:00	Salty water phase diagram: nanosgregation, polyamorphism and crystallization	Livia Bové
	10:30	Neutron diffraction on high temperature levitated liquids.	Louis Hennet

11:00-11:30

Coffee break

11:30-12:30			<i>Liquids under constraint (continued)</i>
	11:30	Mesoscopic order of bulk and nanoconfined H-bonded binary liquid mixtures.	A R Abdel Hamid, <u>Denis Morineau</u> , et al.
	12:00	Rhéology and nano-structural changes of alkali silicate and aluminosilicate glasses and melts	Daniel Neuville

12:30-14:00

closure, buffet lunch