

The Science of Glass Sessions - Monday 7 September

	Paper Title	Author	Author's Institution
09:00	Registration		
09:15	Conference Opening - Plenary Session		
	Session 1 to be chaired by :	Emma Barney	
09:40	Interaction of near-IR pulsed Lasers with Bio-mineral Gels for Enamel Restoration	Animesh Jha	University of Leeds
10:20	Understanding the solubility of bioactive phosphate-based glass	Jamie Christie	University of Loughborough
10:40	Strontium enriched phosphate based glass microspheres for orthopaedic applications	Uresha Patel	University of Nottingham
11:00	Refreshments & Poster Session		
	Session 2 to be chaired by :	Paul Bingham	
11:20	Ion dynamics in alkali-silicates: a Molecular Dynamics study	Edwin Flikkema	Aberystwyth University
11:40	Molecular dynamics modelling of the structure of Barium Zirconium Fluoride glasses BaF2-ZrF4	Maha Rai	University of Kent
12:00	Ion distribution in nepheline glass: A molecular dynamics study	Wenlin Chen	University of Aberystwyth
12:20	Molecular dynamics modelling of ZnCl2 glass	Laura Swansbury	University of Kent
12:40	Reflections about Molecular dynamics and glass transition	Ondrej Gedeon	University of Chemical Technology, Prague
13:00	Lunch		
	Session 3 to be chaired by :	Alex Hannon	
14:00	XPDF and a step towards Complex Modelling	Matt Tucker	Rutherford Appleton Laboratory
14:40	Isotope Substitution Neutron Diffraction Study of the Lithium and Tellurium Environments in Binary Li2O-TeO2 Glasses	Faiz Mohd-Noor	University of Warwick
15:00	The effects of composition on the thermophysical and structural properties of barium strontium aluminosilicate glasses	Lawan Grema	University of Sheffield
15:20	Compositional property relationships in boroaluminosilicate glasses	Norfadhilah Ibrahim	University of Sheffield
15:40	Density, Youngs' Modulus and Viscosity of Glasses Close to the Eutectic Composition in the CaO-Al2O3-SiO2-System	Ulrike Veit	Friedrich Schiller University, Jena
16:00	Refreshments & Poster Session		
	Session 4 to be chaired by :	Gavin Mountjoy	
16:20	The Combination of Experimental Solid State NMR and Computational First Principles MD and DFT: A New Approach for the Structure Determination of Oxide Glasses.	John Hanna* & Thibault Charpentier	University of Warwick
16:40	The influence of radiation diffusion (radiation trapping) on spectra and measured lifetimes of 4F9/2 -4I15/2 , 4I9/2 -4I15/2 , 4I11/2 -4I15/2 and 4I13/2 -4I15/2 emission bands in GeGaS glasses doped with erbium	Cyril Koughia	University of Saskatchewan, Canada
17:00	Thermal poling structural characterization for soda-lime glass	Maxime Parailous	University of Bordeaux
17:20	Mass spectrometric evidencing on modified random network microstructure and medium range order	Michael Ojovan	University of Sheffield
17:40	End of Session		