

Provisional Programme Monday 3rd September

03/09/2017	Paper Title	Author	Institution
09:00	Registration		
09:20	Welcome		
	session 1 to be chaired by TBC		
09:40	Stronger Glass Products	Arun Varshneya	Saxon Glass Technologies Inc. and Alfred University
10:00			
10:20	An isotopic investigation into the aqueous dissolution processes of nuclear waste glass.	Tom Gout	University of Cambridge
10:40	Effects of BaO, CaO and V2O5 Additions on the Solubility of SO4 ²⁻ and Cl ⁻ in Silicate and Borosilicate Glasses	Shuchi Vaishnav	Sheffield Hallam University
11:00	Refreshments		
	Session 2 to be chaired by TBC		
11:40	Ion Exchange an “old age” technique for high strength modern glazing applications	Guglielmo Macrelli	Isoclima SpA- Science Division
12:00	Strengthening of Alkali Alkaline Earth Silicate Glasses by Ion-Exchange	Hande Gover	University of Sheffield
12:20	A study of irradiation effects in high level radioactive waste glasses	Prince Rautiyal	Sheffield Hallam
12:40	Investigating The Effect Of Glass Chemistry On The Volatility Of Caesium	Josh Radford	University of Sheffield
13:00	Lunch		
	Session 3 Virtual reality, to be chaired by TBC		
14:00	TBC	TBC	TBC
14:20	Nanoheterogeneity in fluoridated bioactive glass	Jamieson Christie	Loughborough University
14:40	Long term durability and corrosion of optical fiber silica glass surface	Tarja T. Volotinen	Hudiksvall, Sweden
15:00	Engineered PolySaccharides: Opportunity as Biodegradable Interlayer Material for Laminated Glass	Christian P Lenges	DuPont Industrial BioSciences
15:20	Refreshments		

Session 4, processing, formation to be chaired by TBC			
16:00	Carbonate network formation in ultra-high pressure glasses	Martin Wilding	Sheffield Hallam University
16:20	Formation of tellurite-modified-silica glass thin films containing rare earth ions using ultrafast laser plasma doping	Billy Richards	University of Leeds
16:40	Experimental Investigation of Mineral Wool Fibre Formation by High-speed Imaging	Benjamin Bizjan	University of Ljubljana, Slovenia
17:00	Glass nanofibres for a new generation of high-capacity solid state batteries	Martin Mika	University of Chemistry and Technology, Prague, Technicka
17:20	Finish		

Provisional Programme Tuesday 4th September

	Paper title	Author	Institution
Session 5, structure of glasses part 1, to be chaired by TBC			
09:00	Redox in glasses: interactions with radiation	Paul Bingham	Sheffield Hallam University
09:20			
09:40	OXIDE GLASS STRUCTURE: TOWARDS A WORKING HYPOTHESIS FOR THE 21ST CENTURY	Adrian Wright	University of Reading
10:00	A comparison of lithium borate glasses and crystals: A thermodynamic approach.	Natasha Vedishcheva	Institute of Silicate Chemistry of the Russian Academy of Sciences
10:20	IR and Raman study of oxy-nitride glasses	Doris Möncke	Linnæus University, Växjö,
10:40	Refreshments		
Session 6, structure of glasses part 2 to be chaired by TBC			
11:20	Rare-earth ion environments in amorphous (Gd ₂ O ₃) _{0.230} (P ₂ O ₅) _{0.770} revealed by gadolinium K-edge anomalous X-ray scattering	Robert Newport	University of Kent
11:40	Developing new potentials to model the structure of multicomponent glasses using diffraction data	Emma Barney	University of Nottingham

12:00	Molecular dynamics simulation of alkali silicates and MOFs	Edwin Flikkema	University of Aberystwyth
12:20	TBC	Alex Hannon	ISIS, Rutherford Appleton Laboratory
12:40	Metal-Organic Framework Glasses: A New Category of Melt Quenched Glasses	Thomas Bennett	University of Cambridge
13:00	Lunch		
	Session 7 to be chaired by TBC		
14:00	Short range order in fluorine containing CaO-SiO ₂ -CaF ₂ glasses from NMR, neutron diffraction, and x-ray absorption spectroscopy	Gavin Mountjoy	University of Kent
14:20	Elaboration of magnetic and bioactive core/shell nanoparticles for hyperthermia treatment and bone tissue regeneration	Xavier Kesse	Université Clermont Auvergne
14:40	Boron containing bioactive glass and the regeneration of bone tissue	Peter Chrast	University of Trenčín
15:00	Mesoporous Glass Microspheres for Selective Targeting of Cancer Cells	Fatih Kurtuldu	University of Trenčín
15:20	Refreshments		
	Session 8, bioactive glasses and structure to be chaired by TBC		
16:00	TBC	TBC	TBC
16:20	THERAPEUTIC POTENTIAL OF NIOBIUM- DOPED BIOACTIVE GLASS FOR TREATMENT OF BONE DISORDERS: AN IN VITRO AND IN VIVO EXPERIMENTAL STUDY	Lucas Souza	University of Campinas, Brazil.
16:40	Finish		
Evening	Banquet		

Provisional Programme Wednesday 5th September

	Paper title	Author	Institution
	Session 9 to be chaired by TBC		
09:00	TBC	TBC	TBC
09:20	TBC	TBC	TBC
09:40	Potash glass corrosion and the effect of the addition of iron, copper and manganese	Marcia Vilarigues	Universidade Nova de Lisboa
10:00			
10:20	Molecular simulations applied to simplified nuclear glass alteration	Jean Marc Delaye	Laboratoire d'étude du Comportement à Long Terme,
10:40			
11:00	Refreshments		
	Session 10 to be chaired by TBC		
11:40	Cementing our understanding of nuclear waste glass durability in high pH disposal environments	Claire Corkhill	University of Sheffield
12:00			
12:20	Glasses: from theoretical understanding of liquids and liquid-glass transition to use in nuclear industry	Kostya Trachenko	Queen Mary University London
12:40			
13:00	Lunch		
	Session 11 to be chaired by TBC		
14:00	Some aspects of iron spectroscopy in glasses	Georges Calas	Université de Pierre et Marie Curie, Paris
14:20	Waste glass development for Hazmelt	Russell Hand	University Of Sheffield
14:40	Melting Behaviour of Waste Glass Cullet Briquettes in Soda-Lime-Silica Container Glass Batch	Wei Deng	Sheffield Hallam University
15:00	Assessment of titanosilicate glasses for the vitrification of nuclear waste streams containing high concentrations of sodium	Mike Harrison	National Nuclear Laboratory, Sellafield
15:20	Refreshments		
	Session 12 to be chaired by TBC		
16:00	Structural role of Zr in alteration gels of simplified Nuclear glasses	Laurence Galois	Université de Pierre et Marie Curie, Paris
16:20	Corrosion of sodium silicate glasses: formation of reaction layers and their characterization	Hans Roggendorf	Martin-Luther-University Halle-Wizttenberg,
16:40	Close		

Poster Presentations

Daniel Backhouse- Industrially-Focused Learning: Real-World Glass Projects within an Undergraduate Degree Environment

Nusrat Sharmin-Durability of Phosphate Based Glasses: Effect of Composition

Mike Harrison-Assessment of titanosilicate glasses for the vitrification of nuclear waste streams containing high concentrations of sodium

Yasemin Mustafa- Structure and Properties of Gallium Phosphate Glasses for Novel Bone Cements

Karolína Pánová- Corrosion manifestation on model historical glasses in comparison with archaeological finds