

Wednesday Session 1		Session 2
	Time New Researchers Forum	
09:00	Welcome	
09:15	Development and characterisation of transparent glass ceramics- <b>Bo Pang</b>	
09:30	The immobilisation of caesium bearing ion exchange resin by vitrification- <b>Owen McGann</b>	
09:45	The structure of titanium silicates by wide dynamic range neutron diffraction- <b>Jodie Smith</b>	
10:00	Effects of mixed alkaline earth oxides in silicate glasses- <b>Matthana Khangkhamano</b>	
10:15	The structure of lead-rich PbO-SiO <sub>2</sub> glasses- <b>Oliver Alderman</b>	
10:30	Coffee	
11:00	Working under pressure with neutron diffraction: GeO <sub>2</sub> , B <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> at pressures up to 18GPa- <b>Dean Whittaker</b>	
11:15	Modelling the Zn environment in simple and complex glasses using EXAFS <b>Nathan Cassingham</b>	
11:30	The structure of thallium containing germanate and borate glasses - <b>Nattapol Laorodphan</b>	
11:45	Ion exchange of monovalent ions in float glass- <b>Stefan Karlsson</b>	
12:00	Structural characteristics of sodium iron phosphate glasses- <b>Bushra Al-Hasni</b>	
12:15	Investigation of the strengthening of glass coated with epoxy using fractographic and finite element analyses- <b>Tamer Elsayed</b>	
12:30	The use of industrial technology by the studio glass artist- <b>Shelley Doolan</b>	
13:00	Lunch	
	<b>Science</b>	
13:40	Antimony silicate glasses- <b>Diane Holland</b>	
14:10	Ceramic multilayer coatings- <b>Rudi Winter</b>	
14:40	The relationship between the short- and the medium-range order in glasses and melts: a thermodynamic interpretation- <b>Natasha Vedischeva</b>	
15:10	On the destructive and non-destructive assessment of strength of thermally toughened glass panels- <b>Siim Hodemann</b>	
15:40	Tea	
16:00	The structural origin of luminescence in rare earth doped glasses- <b>Gavin Mountjoy</b>	
16:30	Crystallisation and in vitro bioactivity of strontium and potassium containing Na <sub>2</sub> O-CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glasses- <b>Samia Nofel Salama</b>	
17:00	reception & exhibition	
18:00	Close	

## Thursday Session 1

## Session 2

Time	Science	Industry
08:00	Registration	Registration
09:00	Bioactivity, Physical and Chemical Properties of some Bioactive Phosphate Glasses Doped with B <sub>2</sub> O <sub>3</sub> - <b>Rawhia Elwan</b>	
09:30	Gold ruby glass doped with lanthanide oxides obtained by gamma irradiation- <b>Andreia Ruivo</b>	
10:00	The Surface of Glass –Interface Reactions and Chemical Changes During Processing	<b>Proff Dr Helmut Schaeffer</b>
10:40	Coffee	Coffee
11:00	The atomic and magnetic structure of iron phosphate glasses- <b>Adrian Wright</b>	Glass & Environment - exploring a paradox - <b>John Stockdale</b>
11:30	Glass-forming ability, structure and physical properties of ZnO-WO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses - <b>Ladislav Koudelka</b>	Cullet Quality Index- <b>Sean Sabet</b>
12:00	Synthesis of copper ruby gold glass using gamma irradiation- <b>Antonio Pires de Matos</b>	Oxy-gas forehearth heating the advantages and disadvantages- <b>Alan Stephens</b>
12:30	Controlled depth surface abrasion using abrasive waterjet cutting- <b>Vanessa Cutler</b>	A Short History of the development of the IS Machine- <b>Peter Pearson</b>
13:00	Lunch	Lunch
13:40	Effect of Laser Etching on Glass Strength.- <b>William La Course</b>	
14:10	The application of ultra high-resolution surface analysis techniques to the study of glass corrosion processes- <b>David McPhail</b>	Improved corrosion resistance of Molybdenum glass melting electrodes by doping with ZrO <sub>2</sub> - <b>Mark Partridge</b>
14:40	Kinetics of glass fibre corrosion by oxalic acid- <b>Robert L. Jones</b>	Refractory Futures - <b>Chris Windle</b>
15:10	The medium-range order in oxide glasses- <b>Eena Stremousova</b>	Refractory solutions for extra white glass melting - <b>Michel Gaubil &amp; Jeremy Poiret</b>
15:40	Tea	Tea
16:00	The structure of pure amorphous Sb <sub>2</sub> O <sub>3</sub> - <b>Alex Hannon</b>	"POWERSHIELD®Boosting output/reducing energy costs in the glass making process"- <b>David Lemmings &amp; Gordon Wilkinson</b>
16:30	Phosphate based glass weathering: a solid state NMR investigation- <b>Nina Forler</b>	The Story of the O'Neill machine from 1946-1970 - <b>Peter Pearson</b>
17:00	Contribution of cerium dioxide to the crystallisation and biochemistry performance of some silicate glass-ceramics- <b>Saad Moghazy Salman</b>	Flat glass waste in the production of coloured glass beads - <b>Mehal Aded El Gawad &amp; Mohammed Abu al-Kehir</b>
17:30	Close	Close

## Friday Session 1

## Session 2

Time	History and Heritage	Workshop
08:00	Registration	Registration
09:00		
10:00	Margaret West Presidential Address	
10:40	Coffee	Coffee
11:00	The Glass Collection at Düsseldorf-Dedo von Kerssenbrock-Krosigk	Introduction: ensuring robust glass composition and property measurement-Paul Bingham
11:40	The Evidence for the Early Development of British Flint Glass-Colin Brain	Measuring the mechanical properties of glass-Russell Hand
12:20	A Speculum of Chymical Practice: Isaac Newton, Martin Lister (1639–1712), and the Making of Telescopic Mirrors-Anna Marie Roos	Using optical spectroscopy as a tool for glass analysis-John Parker
13:00	Lunch	Lunch
13:40	A Possible Solution to The Thousand Year Old Mystery of The Portland Vase-Stephen Pollock Hill	Fractography and failure analysis of glass-Marc Brew
14:20	History of Glassmaking in Scotland-Robin Murdoch	Compositional analysis of glass by XRF and other techniques-Margaret West
15:00	Chemical analysis of Iron Age Glass Beads-Martina Bertini	Advanced structural techniques-Emma Barney
15:40	Tea	Tea
16:00	Stained glass from the Convent of Christ in Tomar, Portugal: history and characterization-Marcia Vilarigues	Close
16:40	Looking to the past for a sustainable future. The development of small studio glass furnaces-Ian Hankey	
17:20	The Savile Chapel window at Thornhill : project update-Ruth and Jonathan Cooke and David Martlew	
18:00	Close	