

Wednesday Session 1

Session 2

Time New Researchers Forum

- 09:00 Welcome
- 09:15 Development and characterisation of transparent glass ceramics-**Bo Pang**
- 09:30 The immobilisation of caesium bearing ion exchange resin by vitrification-**Owen McGann**
- 09:45 The structure of titanium silicates by wide dynamic range neutron diffraction-**Jodie Smith**
- 10:00 Effects of mixed alkaline earth oxides in silicate glasses-**Matthana Khangkhamano**
- 10:15 The structure of lead-rich PbO-SiO₂ glasses-**Oliver Alderman**

10:30 Coffee

- 11:00 Working under pressure with neutron diffraction: GeO₂, B₂O₃ and SiO₂ at pressures up to 18GPa-**Dean Whittaker**
- 11:15 Modelling the Zn environment in simple and complex glasses using EXAFS **Nathan Cassingham**
- 11:30 The structure of thallium containing germanate and borate glasses -**Nattapol Laorodphan**
- 11:45 Ion exchange of monovalent ions in float glass-**Stefan Karlsson**
- 12:00 Structural characteristics of sodium iron phosphate glasses-**Bushra Al-Hasni**
- 12:15 Investigation of the strengthening of glass coated with epoxy using fractographic and finite element analyses-**Tamer Elsayed**
- 12:30 The use of industrial technology by the studio glass artist-**Shelley Doolan**

13:00 Lunch

Science

- 13:40 Antimony silicate glasses-**Diane Holland**
- 14:10 Ceramic multilayer coatings-**Rudi Winter**
- 14:40 On the destructive and non-destructive assessment of strength of thermally toughened glass panels-**Siim Hodemann**
- 15:10 **To be announced**

15:40 Tea

- 16:00 The structural origin of luminescence in rare earth doped glasses-**Gavin Mountjoy**
- 16:30 Crystallisation and in vitro bioactivity of strontium and potassium containing Na₂O-CaO-SiO₂-P₂O₅ glasses-**Samia Nofel Salama**

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