

## Glass Science & Technology 1

### Tuesday 6th September

1220	LUNCH	
1320	Cecile Jousseume	Crystallization in the Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass system
1400	Joachim Deubener	Glass stability vs. glass forming ability – A crystal nucleation study
1420	Christian Bocker	Nano crystallisation in glass ceramics affected by liquid/liquid phase separation in non-isochemical systems
1440	Phillip Mallinson	Development of a glass-ceramic seal for Ti-6Al-4V
1500	Nadia Pellerin	Relations between silver nano crystallization and glass structure in silicate matrices
1520	COFFEE	
1600	Susanne Kruger	Towards single crystallization events of glass-forming liquids in DSC experiments
1620	Ulrike Veit	Melting Peaks of CMAS-Glass Melts Determined via DTA

### Wednesday 7th September

900	Bill Lee	Glass composite materials
940	Acacio Rincon	Production of glass foams by a novel gel casting technique
1000	Theresia Palenta	Kinetics of the zeolite collapse
940	Phillip Mallinson	Development of a glass-ceramic seal for Ti-6Al-4V
1020	COFFEE	
1100	Martin Ostergaard	Influence of foaming agents on both the structure and the thermal conductivity of silicate glasses
1120	Hans Roggendorf	Chemical reactivity of slag glasses from hot metal production as a function of cooling and composition.
1140	Zully Metamoros-Veloza	Preparation of porous glass from waste TV panel glasses
1200	Brian Metcalfe	Effect of nucleation temperature on the hardness of a lithium zinc silicate glass
1220	LUNCH	
1320	Chuck Kurkjian	Crack Initiation and Plasticity in Silicate Glasses
1340	Tanguy Rouxel	Indentation-cracking behavior and structural characteristics: Copper-borate, titanium-silicate, oxynitride, and chalcogenide glasses
1400	Thorben Welter	Intendation study of zinc aluminosilicate glasses
1420	Petra Boehm	Ageing of different flat glass samples under atmospheric conditions
1440	Shirley Fong	Development of high CTE glass-ceramics for sealing
1500	Felix Lind	Raman spectroscopic investigation of structural changes in ULE glass upon micro-indentation
1520	COFFEE	
1600	Carolin Hahn	Empirical estimation of subcritical crack growth energy barrier
1620	Hande Gover	Diffusional Strengthening of Glass
1640	Guglielmo Macrelli	Some "unconventional" analytical solutions to diffusion equations in thermal ion exchange in silicate glasses

### Thursday 8th September

900	Anita Zeidler	Pressure induced structural changes in fundamental glasses
940	Edwin Flikemma	Molecular Dynamics simulation of ion motion in alkali-silicates
1000	Alex Hannon	Structure of lithium germanate glasses by neutron diffraction with isotopic substitution
1020	COFFEE	
1100	Laura Swansbury	Molecular Dynamics Modelling of Chlorine-Containing Oxide Glasses
1120	S K Sundaram	Glasses for Photomultiplier Tube for Neutrino Detection: Molecular Dynamics Simulation and Experimental Evaluation
1140	Ladislav Koudelka	Structural studies of barium borophosphate glasses by Raman and NMR spectroscopies
1200	Nadja Lönneroth	Precipitation of copper halides in aluminoborosilicate glasses
1220	LUNCH	
1320	Steve Feller	Dimensionless Density: Packing and Structure in Oxide Glass Systems
1340	Akira Takada	Geometrical modelling of silica crystals and glasses
1400	Himanshu Jain	Conversion of glass to single crystal via solid-solid transformation
1420	Ondrej Gedeon	Configuration entropy and glass transition in Molecular dynamics
1440	Tory Sugawara	Heat capacity of alkaline-earth alumino borosilicate glasses and liquids
1500	Pinit Kidkhunthod	A Combination of Extended X-ray Absorption Spectroscopy and Computer Simulation Study on Praseodymium Gallate Glass
1520	COFFEE	
1600	Martina Stoica	Effect of UV exposure on the crystallization and optical properties in a CaF <sub>2</sub> photo thermal refractive glass
1620	Louis Chungong	Structural characterisation of novel calcium zinc silicates / germanate glasses
1640	Jana Holubova	Structural Investigation and Properties of Gallium Zinc Phosphate Glasses
1700	Armenak Osipov	Raman spectroscopic study of Fe-containing ZnO-B <sub>2</sub> O <sub>3</sub> glasses