Structural Transformations in Amorphous Materials

A one-day meeting on 29th May 2014 at the University of Bath

IOP Institute of Physics
Liquids and Complex Fluids Group

UNIVERSITY OF BATH

Speakers:

Mike Thorpe (Arizona State, USA)
A brief history of glass structure

Mark Wilson (Oxford, UK)
Network-forming materials in 2- and 3-dimensions

Stephen Elliott (Cambridge, UK)
How and why can crystallisation occur in phase change memory materials on the picosecond timescale?

Chris Tulk (Oak Ridge, USA)
Recent structural studies of amorphous methane clathrate hydrate and its comparison to pure amorphous ice

Stefan Klotz (Paris, France)
Recrystallisation of amorphous ices under pressure

Anita Zeidler (Bath, UK)
How does silica transform into an octahedral glass under pressure?

The meeting will bring together experimentalists and theoreticians, who are interested in the structural changes that occur in disordered materials.

Registration with coffee will open at 10:30 in the Department of Physics of the University of Bath (room 3W 4.7) and the first talk will be at 11:00. The last talk of the day is scheduled to finish by 17:00.

There will be the possibility to present posters, and young researchers (e.g. PhD student, Postdocs) are strongly encouraged to do so. If you would like to present a poster please contact Anita Zeidler (az207@bath.ac.uk) directly.

The meeting is organised by Anita Zeidler (Bath) and Andrew Archer (Loughborough) with support from the IOP Liquids and Complex Fluids Group and Bath University. It is free to attend, but please register online at **https://www.eventsforce.net/iop/568/home**.