

VISCOUS LIQUIDS AND THE GLASS TRANSITION (IV)

Søminestationen (Holbæk, Denmark) June 3-5, 2005.

Friday June 3

Chair: Kia Ngai

12.00-13.30: Lunch.

13.30-14.20: Roland Böhmer: *On the possible connection between primary and secondary relaxations in supercooled liquids as studied by NMR*

14.20-15.10: Jeppe Dyre: *A model for generic alpha relaxation*

15.10-16.00: Break

16.00-16.50: Gyan Johari: *On Poisson's ratio of the glassy state, relaxational compressibility and a melts vitrification*

16.50-17.40: Vladimir Novikov: *Correlation of fragility with high-frequency elastic constants*

17.40-18.30: Alexei Sokolov: *Influence of molecular weight on fragility and fast dynamics in Polymers*

18.30-20.30: Dinner

20.30-21.20: Austen Angell: *'Potential tuning' in MD to understand vitrification; a new atomic glass former for fundamental studies*

Saturday June 4

Chair: Giancarlo Ruocco

8.00-9.00: Breakfast.

9.00-9.50: Andreas Heuer: *Exploring the potential energy landscape of glass-forming systems: From local relaxation to long-range transport*

9.50-10.40: Gregor Diezemann: *Effective temperatures from violations of the fluctuation-dissipation theorem?*

10.40-11.30: Niels Boye Olsen: *Viscous liquid measurements: What does the present tell us about the past and the future?*

11.30-12.20: Andrew Granato: *Structural relaxation and the Kauzmann pseudo-critical temperature*

12.20-14.00: Lunch.

- 14.00-14.50: Christiane Alba-Simionesco: *Are there universal connections between dynamics, thermodynamics and structure in glass-forming systems?*
- 14.50-15.30: Kristine Niss: *Mean-square displacement and its relation to fragility*
- 15.30-16.30: Break.
- 16.30-17.10: Frederic Casas: *Plasticity and glass transition in polymers: What are the relevant length scales?*
- 17.10-17.50: Christelle Le Quellec: *Dynamical heterogeneity and confinement: A new length scale*
- 17.50-18.30: Tina Hecksher and Ulf Rørbæk Pedersen: *A simple energy landscape lattice model*
- 18.30-21.00: Dinner.
- 21.00: After-dinner talk:
Gyan Johari: *Beta relaxation in liquids of rigid molecules*

Sunday June 5

Chair: Thomas Schröder

- 8.00-9.00: Breakfast.
- 9.00-9.50: Ernst Rössler: *Non-ergodicity parameter and the evolution of the relaxation spectra in supercooled liquids*
- 9.50-10.40: Keith Nelson: *New probes of the MHz-GHz frequency range*
- 10.40-11.30: Giulio Monaco: *Structural and dynamical transitions in liquids studied with X-ray scattering*
- 11.30-12.20: Aleksandar Matic: *Nature of acoustic excitations in glassy ethanol*
- 12.20: Lunch; end of meeting.