

Seminar: Structure, properties and dynamics of glasses

Feb. 22nd and 23rd

Feb. 22nd

- Session 1 Chairman D.V. Louzguine
09:55-10:00 Opening remarks: D.V. Louzguine
10:00-10:45 J.H. Perepezko "Nucleation during Nanocrystallization of Metallic Glass"
10:45-11:00 Coffee break
Session 2 Chairman M.W. Chen
11:00-11:45 M. Ojovan "About activation energy of viscous flow in glasses and melts"
11:45-12:30 H. Tanaka "Deep link between local structural ordering and glass-forming ability"
12:30-13:30 Lunch time
Session 3 Chairman H. Tanaka
13:30-14:15 A.L. Shluger "Models of structure and properties of thin amorphous oxide films"
14:15-15:00 A. Hirata "Atomic structure of metallic glasses examined by angstrom-beam electron diffraction experiment and computational simulation"
15:00-15:30 Coffee break
Session 4 Chairman A.L. Shluger
15:30-16:00 K. Nishio "Method for describing arrangements of atoms"
16:00-16:30 J. Moriceau "Crystallization and mechanical properties in the BaO-SiO₂ glass" forming system"
16:30-17:00 G. Q. Xie "Biocompatible bulk metallic glasses and the composites produced by spark plasma sintering"
17:00-17:30 P. Sharma "Wrapping space and time through amorphous alloys"
17:30-18:00 M. Luckabauer "Probing the Microstructure of Metallic Glasses by Low-Temperature Internal Friction Measurements"
18:30 Dinner at Tenshige

Feb. 23rd

- Session 5 Chairman A. Hirata
09:00-09:45 T. Egami "Atomic mechanism of mechanical deformation in metallic glasses"
09:45-10:30 J.Y. Cavaille "Some specificities of organic glasses"
10:30-11:00 Coffee Break
Session 6 Chairman J.Y. Cavaille
11:00-11:45 M.W. Chen "Are glasses solid or liquid?"
11:45-12:30 Y. Onodera "Unravelling network structure in disordered materials - Comprehensive integration of quantum beam measurements, modelling and topological analyses"
12:30-13:30 Lunch time
Session 7 Chairman T. Egami
13:30-14:15 S. Kohara "Structure and dynamics in permanently densified silica glass - A step toward perfect glasses"
14:15-15:00 D.V. Louzguine "Structural changes in metallic glasses induced by mechanical and thermal cycling"
15:00 Closing remarks: T. Egami, M.W. Chen, A. Hirata, D.V. Louzguine