

*International mini-Workshop/Summer School
on
Structure and Instability of Amorphous Materials*

Beijing computational Science Research Center

19-21th June 2018

June 19, 2018		
8:00-8:45	Reception	
8:45-9:00	Pengfei Guan	<i>Workshop welcome remarks</i>
9:00-11:10	Chairman: Michael L Falk	
9:00-9:40	Weihua Wang <i>IOP CAS</i>	<i>Relaxation and relationships between relaxation-properties in metallic glasses</i>
9:40-10:10	<i>Photos / Coffee break</i>	
10:10-10:50	Andreas Meyer <i>DLR</i>	<i>Glass formation of viscous metallic liquids as seen in-situ on a microscopic scale</i>
10:50-11:30	Yong Yang <i>CUHK</i>	<i>Shear band initiation and unconventional size effect on strength in metallic glass</i>
11:30-13:30	<i>Lunch / Tour in CSRC Building</i>	
13:30-14:50	Chairman: Weihua Wang	
13:30-14:10	Michael L Falk <i>JHU</i>	<i>Connecting atomistic simulations, defect-based theories and continuum plasticity in amorphous solids</i>
14:10-14:50	Evan Ma <i>JHU</i>	<i>Making glasses ductile at room temperature by tailoring the flexibility in their amorphous structure.</i>
14:50-15:10	<i>Coffee break</i>	
15:10-16:30	Chairman: Andreas Meyer	
15:10-15:50	Yue Wu <i>UNCC</i>	<i>TBD</i>
15:50-16:30	Limei Xu <i>PKU</i>	<i>Connectivity between structure and dynamics in glass-forming liquids</i>

16:30-16:50	<i>Coffee break</i>	
16:50-18:10	Chairman: Evan Ma	
16:50-17:30	Zhaopin Lv <i>USTB</i>	<i>Thermal driven polymorphic transition in a metallic glass</i>
17:30-18:10	Pengfei Guan <i>CSRC</i>	<i>Short-range order in metallic glasses: enough or not?</i>
18:10-	<i>Banquet</i>	
June 20, 2018		
8:30-9:50	Chairman: Yong Yang	
8:30-9:10	Lanhong Dai <i>IOM CAS</i>	<i>Dilation in flow and fracture of metallic glasses.</i>
9:10-9:50	Jian Xu <i>IMR CAS</i>	<i>Damage-tolerant $Zr_{61}Ti_2Cu_{25}Al_{12}$ bulk metallic glass can be a Disruptive metallic?</i>
9:50-10:10	<i>Coffee break</i>	
10:10-11:30	Chairman: Limei Xu	
10:10-10:50	Ning Xu <i>USTC</i>	<i>Quasicrystals formed by soft-core particles</i>
10:50-11:30	Elijah Flenner <i>CSU</i>	<i>Low-frequency vibrational modes and sound attenuation of stable glasses</i>
11:30-13:30	<i>Lunch / Tour in CSRC Building</i>	
13:30-15:20	Chairman: Elijah Flenner	
13:30-14:10	Yujie Wang <i>SHJTU</i>	<i>X-ray tomography investigation of plasticity in sheared granular materials</i>
14:10-14:50	Haibin Yu <i>Huazhong UST</i>	<i>Structural rearrangements governing Johari-Goldstein relaxations in metallic glasses</i>
14:50-15:10	<i>Coffee break</i>	
15:10-17:30	Chairman: Yujie Wang	
15:10-15:50	Hailong Peng <i>CSU</i>	<i>Diffusivity and viscosity in glass-forming liquids: the decoupled-length scales and viscoelasticity</i>

15:50-16:30	Pengfei Guan CSRC	<i>A Link between Structural relaxation and Dynamic heterogeneity in Glass-forming liquids</i>
16:30-17:00	Closing remark	
17:30-	Dinner	
June 21, 2018		
9:00-10:00	Evan Ma Yue Wu Jian Xu Yong Yang	<i>Colloquium: How to do a good research?</i>
10:00-10:20	Coffee break	
10:20-12:00	Elijah Flenner	<i>Computational simulations of Amorphous Materials</i>
12:00-	Lunch	