

## Unifying Concepts in Glass Physics VI - Program Draft (v. Feb 5, 2015)

<b>SUNDAY</b>	<b>2/1/2015</b>		
17:00 to 19:00	Reception and registration at ACP		
19:00 on	No-host dinner in town		
<b>MONDAY</b>	<b>2/2/2015</b>		
8:00 to 8:15	Welcome	Charbonneau, Glotzer, Liu	
8:15 to 8:45	Invited talk	Biroli	Real space renormalisation group theory of the glass transition
8:45 to 9:00	<b>Break</b>		
9:00 to 9:30	Invited talk	Lubchenko	Quantitative Theory of the Structural Glass Transition
9:30 to 9:50	Contributed talk	Cammarota	Relaxation-path selection due to entropy-energy competition in activated glassy dynamics
9:50 to 10:20	Invited talk	Miyazaki	Thermodynamic glass transition of randomly pinned systems
10:20 to 10:35	<b>Break</b>		
10:35 to 11:05	Invited talk	Zamponi	Exact computation of the critical exponents of the jamming transition
11:05 to 11:35	Invited talk	Szamel	Glassy dynamics of athermal self-propelled particles
11:35 to 16:15	Lunch + Free Discussion	Beginning skiers sign up for Tuesday lesson.	
16:25 to 16:55	Invited talk	Berthier	Nonequilibrium phase transitions and glassy dynamics in active and deformable particle systems
16:55 to 17:15	Contributed talk	Baschnagel	Shear modulus of simulated glass-forming systems
17:15 to 17:30	<b>Break</b>		
17:30 to 18:00	Invited talk	Corwin	Jamming shapes up: geometry and energy landscape near the jamming transition
18:00 to 18:20	Contributed talk	Hoy	Effect of chain stiffness on the competition between crystallization and glass-formation in model polymers
18:20 to 18:50	Invited talk	Mao	Mechanical instabilities at finite temperature
19:25 on	Dinner on your own		
<b>TUESDAY</b>	<b>2/3/2015</b>		
8:15 to 8:45	Invited talk	Behringer	Jamming of frictional grains
8:45 to 9:00	<b>Break</b>		
9:00 to 9:30	Invited talk	Chakraborty	Jamming: Glass transition in Force Space
9:30 to 9:50	Contributed talk	Vitelli	Tunable failure in amorphous solids: fracture and geometry

9:50 to 10:20	Invited talk	Kieffer	Network structural evolution and glass formation
10:20 to 10:35	<b>Break</b>		
10:35 to 11:05	Invited talk	Daniels	Temperature-like variables in granular materials
11:05 to 11:35	Invited talk	Manning	Using random matrices to define the boson peak in disordered solids
11:35 to 16:30	<b>Lunch + Free Discussion</b>		
16:30 to 17:30	<b>Poster Session, drinks and snacks</b>		
17:30 to 18:00	Invited talk	Wyart	Low-energy excitations in glasses
18:00 to 18:20	Contributed talk	Makse	Unifying statistical mechanics framework for packings: from spherical to non-spherical particles with adhesion, friction and for any dimension
18:20 to 18:35	<b>Break</b>		
18:35 to 19:05	Invited talk	Arratia	Yielding, Plasticity, and Microstructure in a 2D Jammed Material under Shear Deformation
19:05 to 19:35	Invited talk	O'Hern	Using Hard-sphere Models to Design Bulk Metallic Glasses
19:35 on	<b>Dinner on your own</b>		
<b>WEDNESDAY 2/4/2015</b>			
8:15 to 8:45	Invited talk	Tarjus	Effective theory of the glass transition
8:45 to 9:00	<b>Break</b>		
9:00 to 9:30	Invited talk	Royall	A structural mechanism for the glass transition : beyond the lengthscale conundrum
9:30 to 9:50	Contributed talk	Moore	Learning about glasses from studies of disks in a narrow channel
9:50 to 10:20	Invited talk	Tanaka	Roles of growing static structural order in slow glassy dynamics and crystal nucleation
10:20 to 10:35	<b>Break</b>		
10:35 to 11:05	Invited talk	Franz	The simplest model of jamming
11:05 to 11:25	Contributed talk	Murugan	Associative Memory in Materials
11:25 to 11:55	Invited talk	Weeks	Flow of amorphous solids modeled with emulsion droplets
11:55 to 16:30	<b>Lunch + Free Discussion</b>	Optional departure for Aspen Golf Course for X-C ski and lunch	
16:30 to 17:30	Physics Café	Charbonneau and Glotzer	<i>Wheeler Opera House</i>
17:30 to 18:30	Public Lecture	Ludwik Leibler	Vitrimers, a New Class of Materials
18:30 on	<b>Dinner on your own</b>		

<b>THURSDAY</b>	<b>2/5/2015</b>		
8:15 to 8:45	Invited talk	Mauro	Statistical Modeling of Glass in Industry
8:45 to 9:00	<b>Break</b>		
9:00 to 9:30	Invited talk	Schweizer	Elasticity-Mediated Activated Relaxation in Colloidal Suspensions, Supercooled Liquids and Thin Films
9:30 to 9:50	Contributed talk	Popovic	Glassy charge dynamics in strongly correlated systems with disorder
9:50 to 10:20	Invited talk	Hellman	Ideality and tunneling level systems in covalently bonded thin film glasses
10:20 to 10:35	<b>Break</b>		
10:35 to 11:05	Invited talk	Falk	Combined Atomistic/Continuum Modeling of Strain Localization in Metallic Glass
11:05 to 11:25	Contributed talk	Schwartz	Jamming graphs: A local approach of global mechanical rigidity
11:35 to 16:30	<b>Lunch + Free Discussion</b>		
16:30 to 17:30	<b>Poster Session, drinks and snacks</b>		
17:30 to 18:00	Invited talk	Leibler	TBA
18:00 to 18:20	Contributed talk	Yoshino	Hierarchy of rigidities of hard-sphere glasses
18:20 to 18:35	<b>Break</b>		
18:35 to 19:05	Invited talk	Solomon	Role of isostaticity in the slow dynamics of attractive colloids
19:05 to 19:35	Invited talk	Dyre	Why simple liquids are quasi-universal
19:35 on	<b>Conference Banquet, Block Poster Awards</b>		
<b>FRIDAY</b>	<b>2/6/2015</b>		
8:15 to 8:45	Invited talk	Reichman	Many-Body Localization: A Quantum Glass Transition
8:45 to 9:00	<b>Break</b>		
9:00 to 9:30	Invited talk	Brujic	Glassy physics in proteins, lipids and emulsion droplets
9:30 to 9:50	Contributed talk	Pica Ciamarra	Cage-jump motion and macroscopic dynamics in glass formers
9:50 to 10:10	Contributed talk	Damasceno	Directional Entropic Forces in Hard Particle Fluids and Crystals
10:10 to 10:25	<b>Break</b>		
10:25 to 10:45	Contributed talk	Ortiz	Creep and Dynamical Heterogeneities of Fluid-Driven Granular Flows
10:45 to 11:05	Contributed talk	Vollmayr-Lee	Universal Aging Dynamics in SiO <sub>2</sub>
11:05 to 11:35	Invited talk	Durian	The granular clogging transition
11:40 to 16:05	<b>Lunch + Free Discussion</b>		

16:05 to 16:35	Invited talk	del Gado	Internal stresses, cooperative processes and yielding in poorly connected soft solids
16:35 to 16:55	Contributed talk	Schmiedeberg	The glass transition as a mixture of random organization and jamming
16:55 to 17:15	Contributed talk	Lee	Spin jam in a frustrated magnet
17:15 to 17:30	<b>Break</b>		
17:30 to 18:00	Invited talk	Klotsa	Packing polyhedra: from ancient math to advanced materials
18:00 to 18:20	Contributed talk	Dobrosavljevic	Self-generated stripe glass in frustrated Mott organics
18:20 to 18:35	<b>Break</b>		
18:35 to 18:55	Contributed talk	Coslovich	Local structure and dynamic heterogeneity: do they correlate?
18:55 to 19:15	Contributed talk	Milner	T1 Process and Dynamics in Glass-Forming Hard-sphere Liquids
19:15 to 19:45	Invited talk	Kallus	Random packing lattices
19:45 on	<b>Dinner on your own</b>		

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