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Symposia Boson Peak	Abstract No. P-G-BP-1a	Author's name Mohamed Aejaz Kolmangadi	Title Low frequency vibrational density of state of Janus-polynorbornenes – The dependence of the Boson peak on the nanophase separated structure.
	P-G-BP-2a	Vishnu V. Krishnan	Low-frequency Vibrations of Shear-Stable Amorphous Solids
Dynamic Heterogeneity & Glass Transition	P-G-DH-1a	Cho-Tung Yip	Quasivoid-Induced Structural Relaxation in Colloidal Glass Formers: Microscopic origin of stringlike
	P-G-DH-2a	Cho-Tung Yip	Motions
			Diffusion-Coefficient Power Laws and Defect-Driven Glassy Dynamics in Swap Acceleration Prediction of a Trigger of Hopping Motion in Deeply Supercooled Liquid of Binary Hard Disk
	P-G-DH-3a	Ryohei Hanai	Systems
	P-G-DH-4a	Shiladitya Sengupta	Stokes-Einstein Breakdown in Stillinger-Weber Silicon
Ultrastable Glasses	P-G-UG-1a	Misaki Ozawa	Creating bulk ultrastable glasses by random particle bonding
	P-G-UG-2a	Ibuki Furuno	Deposition Temperature Dependencies of Annealing Effect in Vapor-deposited Ultrastable Phenolphthalein Glass
	P-G-TP-1a	Mitsuru ISHIKAWA	Polymer Relaxation Time Enhancement Predicted by Mode-Coupling Theory
	P-G-TP-2a	Daria Szewczyk	New experimental setup for measurements of thermal conductivity and specific heat in glassy materials at low temperatures
Thermal Properties & Glass Transition	P-G-TP-3a	Simone Capaccioli	Fast Differential Scanning Calorimetry: novel approaches for data analysis of transitions in organic molecular glass-formers
	P-G-TP-4a	Eri Nishiyama	Analysis of the configurational heat capacity of polystyrene and polyisobutylene above the glass transition temperature
	P-G-TP-5a	Tomoyuki Yamaguchi	Polymer Molecular Weight Dependences of Glass Transition of Dimer-polymer Mixtures in α-methyl Styrene Systems
	P-G-EG-1a	Satoshi Tsuchiya	A glassy structural transition in a charge-frustrated organic conductor probed by polarized femtosecond spectroscopy
Electron Glasses	P-G-EG-2a	Masafumi Udagawa	Competing orders and relaxation dynamics of a frustrated charge system with Coulomb interaction
	P-G-EG-3a	Jun Takahashi	Semidefinite programming approach to probe glassy quantum systems
	P-G-SM-1a	Subaru Yoshimoto	Strong non-equilibrium effects and slow relaxation in the multi-metastable states of the frustrated magnet DyRu2Si2
Spin Glasses &	P-G-SM-2a	Angelo Giorgio Cavaliere	Biased thermodynamics can explain the behaviour of smart optimization algorithms that work above the dynamical threshold
Disordered Magnets	P-G-SM-3a	Yuki Rea Hamano	Spatial evolution of RSB in generalized DBMs
	P-G-SM-4a	Bharadwaj Vedula	Exploring Phase Transitions in One-Dimensional Diluted Power-Law XY Spin Glass: A
Interrelation between T & V in Dynamics of Liquids & Polymers	P-G-TV-1a	Vadim Brazhkin	Can glass-forming liquids be "simple"?
	P-G-LO-1a	Kengo Nishio	Vorotis: Software for Voronoi tessellation analysis using the polyhedron code
	P-G-LO-2a	Peihao Sun	Long-range anisotropy in a Pd-based metallic glass
Local Order in Liquids & Glasses	P-G-LO-3a	Ayata Ueno	Estimation of Cooperative Rearranging Regions and Configurational Entropy in Monatomic Glass- Forming Liquid
0123363	P-G-LO-4a	Akitoshi Mizuno	Liquid structural features derived from X-ray diffraction and topological data analysis of iron and silicon
	P-G-LO-5a	Yejung Lee	Characterization of component segregation in co-deposited glasses of TCTA and Ir(ppy) ₃
Water & Ice Anomaly	P-L-WI-1a	Yukio Kajihara	What is critical fluctuation of liquid-liquid phase transition ? - What a comparison of water and tellurium reveals -
	P-L-WI-2a	Reo Sato	Rapid Crystallization at the Surface of Vapor-Deposited Amorphous Water through Hydrates Formation and Dissociation at 120 K
	P-L-WI-3a	Hiroaki Minato	Thermal Behavior and Dynamics of Water Confined in Sephadex G-25 Gels
	P-L-WI-4a	Hiroshi Murakami	Unusual heat generation of nanoconfined water in reverse micelles under microwave irradiation
	P-L-WI-5a	John Russo	Breaking the Ice with Neural Network Potentials: reproducing the nucleation properties of the mW water model
Water, Alcohols & Hydrogen Bonded	P-L-HB-1a	Ken Judai	Anomaly Brownian Motion in Water-Ethanol Mixtures
	P-L-HB-2a	Yuki Fujii	Vibrational Frequency Fluctuations of Thermoresponsive Polymer in Aqueous Solutions Studied by 2D-IR Spectroscopy and Molecular Dynamics Simulations
Systems	P-L-HB-3a	Masahiko Imashimizu	Nonthermal acceleration of protein hydration by sub-THz irradiation
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in Biomatter	ving Caenorhabditis elegans cells
P-LD-CF-1a Qing Wang Capillary Deformation of Thin Rubbery Polymer Film	
Confinement & P-LD-CF-2a Josh M. Gramlich Thermodynamics and dynamics of quasi-one-dimensional	al confined lattice fluids
Thin Films P-LD-CF-3a Katelyn Randazzo Influence of Interaction Strength on Glassy Properties of	Adsorbed Polymer Nanolayers
P-LD-CF-4a Erik Thoms Predicting polymer adsorption rates from molecular dyna	amics

Symposia	Abstract No.	Author's name	Title
Relaxations & Diffusion in Metallic Glasses	P-TR-MG-1a	TAN YUAN	Fast beta relaxation and structure relaxation by sub- T g annealing in metallic glasses of different fragilities
Anomalous Diffusion in Disordered Systems	P-TR-MG-2a	Junichi Kawamura	Anomalous Diffusion in Restricted Space Detected by Pulsed Field Gradient NMR:- Application to Porous Membrane for Lithium Ion Battery -
Linear & Nonlinear Dielectric Dynamics	P-R-DD-1a	Yuima Kawatani	Dielectric a Relaxation of Sugar Alcohols
	P-R-DD-2a	Yuto Awano	Effect of Intermolecular Hydrogen Bond on Relaxation Dynamics of Deep Eutectic Solvents Studied by Broadband Dielectric Spectroscopy from sub-GHz to THz Frequency Range
	P-R-DD-3a	Kazuya Okita	New diffusion theory of molecular liquids based on the energy representation solution theory
	P-R-DD-4a	M. Shahin Thayyil	Insights on rich dynamics in glass-formers by compositional changes and modifying thermodynamics
	P-CG-CV-1a	Yael Beilinson	Water dynamics in confinement at low temperatures
Crystallization vs. Vitrification	P-CG-CV-2a	Yuki Takaha	Crystallization dynamics of deeply supercooled liquids
	P-CG-CV-3a	Jinyun Liu	Size Effect on Polymorph Selection in the Crystallization of Liquid Gallium
	P-CG-CV-4a	Ulf R. Pedersen	Computing coexistence lines by combining interface pinning and integration of the Clausius– Clapeyron identity
Liquid/Plastic Crystals	P-CG-LP-1a	Ewa Ozimina-Kami ńska	The nature and pressure evolution of phase transitions in anti-dyskinetic medicine - amantadine
	P-CG-LP-2a	Hiroki Nobori	Phase transitions and dynamics of ionic liquid crystals in nanopores

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Symposia	Abstract No.	Author's name	Title
Dynamic Heterogeneity & Glass Transition	P-G-DH-5b	Eden DZIK	New insights on the glass transition through optical manipulation of chromophores
	P-G-DH-6b	Klaas Wynne	Double glass transitions in single-component homogeneous liquids
	P-G-DH-7b	Chun-Shing Lee	Spatial Heterogeneities in Structural Temperature Cause Kovacs' Expansion Gap Paradox in Aging of Glasses
	P-G-DH-8b	Katsuaki Nakazawa	Relation between dynamic and structural heterogeneities in metallic glass revealed by 5D-STEM
	P-G-DH-9b	Motoki Wakita	Statistical properties of Microstring Activation in Deeply Supercooled Liquids of Binary Hard Disk Systems
	P-G-DH-10b	Andrea plati	Slow timescales in vibrofluidized granular materials
Theory & Simulations of Glasses & Glass Transition	P-G-TS-1b	Hyonggi Kim	A replica theory for the glass transition of polydisperse particles
	P-G-TS-2b	Chun-Shing Lee	Fragile Glasses Associated with a Dramatic Drop of Entropy under Supercooling
	P-G-TS-3b	Gopika Krishnan	Relaxation dynamics of classical and quantum supercooled liquids
	P-G-TS-4b	Yukihiro Tomita	Analysis of point-to-set lengths by 1 + d dim replicated liquid theory in large- d limit
	P-G-TP-6b	Koun Shirai	Thermodynamic stability of glasses
Thermal Properties & Glass Transition	P-G-TP-7b	Michaela Včelákov á	Relationship between viscosity behavior and relaxation of amorphous $Ge_{25}Se_{75}$ and $As_{20}Se_{80}$ in the glass transition region
	P-G-TP-8b	Hiroki Fujimori	Glass transitions of 2-bromothiophene-2-chlorothiophene solid solution systems confined within mesoporous silica gel
	P-G-TP-9b	Ryoto Suzuki	Evaluation of absolute value of heat capacity for polyisobutylene above 380 K by DSC
	P-G-TP-10b	John F. Ramirez	Do the material properties of a vitrified material correlate with protection during desiccation?
	P-G-TP-11b	Cunyuan Jiang	Glassy heat capacity from overdamped phasons and a hypothetical phason-induced superconductivity in incommensurate structures
	P-G-TP-12b	Jaewoong Kim	Research of Heat Transfer Finite Element Analysis of Solar Panels
	P-G-NI-1b	Yuta Shuseki	Atomic structure of MgO–SiO₂ liquid and glasses

Symposia	Abstract No.	Author's name	Title
Water & Ice Anomaly	P-L-WI-6b	Niels Giesselmann	Structure of water under confinement in periodic mesoporous organosilicas (PMOs)
	P-L-WI-7b	Hiroshi Murakami	Freezing of reorientational motion of hydration water in reverse micelles at room temperature
	P-L-WI-8b	Yuanxi Yu	The ω^3 scaling of the vibrational density of states in quasi-2D nanoconfined solids
	P-L-WI-9b	Sha Jin	Experimental evidence of the short-scale solid-like dynamics of liquids using nano-confinement
	P-L-WI-10b	Mohd Moid	Proton kinetic energy anomaly and phase transition of nano-confined water
	P-L-HB-4b	Igor Danilov	Effect of thermobaric history on the elastic properties of propylene glycol oligomer glasses
	P-L-HB-5b	Yuka Arai	Dielectric Relaxations of Polymer and Water in Aqueous Solutions of Poly (vinyl methyl ether) as a Polymer with a Low Glass Transition Temperature
Water, Alcohols & Hydrogen	P-L-HB-6b	Sandra Krüger	Water Dynamics in Aqueous Dipeptide Solutions Studied by 2H NMR and BDS
Bonded Systems	P-L-HB-7b	Takumi Nagasawa	Correlation between surface and bulk hydrogen-bond networks in amorphous water studied by IR- MAIRS
	P-L-HB-8b	Koshi Ozama	The lowest frequency Raman spectra mode and Debye relaxation mode in alcohols and aprotic solvents probed by Raman scattering and Dielectric spectroscopy
	P-L-HB-9b	Ralph Ugalino	Generation of water nanoclusters by desorption from a PEDOT:PSS polymer matrix
	P-P-PD-9b	Mohamed Aejaz Kolmangadi	Molecular dynamics of Janus Polynorbornenes: Glass Transitions and Nanophase separation
	P-P-PD-10b	Jiaxin Zhao	Chain-length-dependent relaxation dynamics in poly(methyl acrylate)
	P-P-PD-11b	Andreas Heuer	Polymer electrolytes close to electrodes: impact of electrode charge and chain length
	P-P-PD-12b	Masami Nirei	Dynamics of liquid polymer alkylated polythiophene
	P-P-PD-13b	Taisei Ishiyama	Thermophysical Properties of Polystyrene (PS)-Polybutyl Methacrylate (PBMA) Multiblock Copolymers
	P-P-PD-14b	Huiming Xiong	Hierarchical Dynamics of Hybrid Polymers
	P-P-PD-15b	Seigo Hirai	Effect of Rotaxane Crosslinking on Modulus and Toughness
	P-P-PD-16b	Hsiao-Ping Hsu	Computer simulation guided generation and stabilization of expanded free-standing
	P-P-GN-1b	Matthias Gimperlein	Fisher-Widom line and dynamical behavior for systems with competing attractive and repulsive interaction
	P-P-GN-2b	Tulika Sharma	Investigating the Phase Behavior of Alternating Amphiphilic Copolymers in Water using Small-Angle X-Ray Scattering
Polymer Gels & Networks	P-P-GN-3b	CHEN, Yi-Hsueh	The design of Ion-linked double-network hydrogel for pressure colorimetric sensor upon the rheologic properties of hydrogels with the dispersion of gold nanoparticles
	P-P-GN-4b	ENOKI, Takato	Strain-induced Crystallization for Tough and Reversible Ion Gels
	P-P-GN-5b	Christoph Säckel	Solvent Dynamics of Solutions of pNIPAM in Water-Ethanol Mixtures as Studied by NMR
	P-CJA-SD-1b	Francesco Dallari	Microsecond Dynamics in Complex Liquids with MHz XPCS
Colloidal	P-CJA-SD-2b	Alessandro Martinelli	Microscopic pathways for stress-relaxations in a colloidal glass
Systems & Dispersions			
Dispersions	P-CJA-SD-3b	Yinqiao Wang	Structural origins of unique mechanical evolution of colloidal gels
Dispersions	P-CJA-SD-3b P-CJA-SD-4b		Structural origins of unique mechanical evolution of colloidal gels Dynamical impact of dense suspension of millimetre particles
Dispersions			
Granular Materials &	P-CJA-SD-4b	Hirokazu Maruoka	Dynamical impact of dense suspension of millimetre particles
Granular	P-CJA-SD-4b P-CJA-GJ-4b	Hirokazu Maruoka Hidemasa Bessho Kazuya U.	Dynamical impact of dense suspension of millimetre particles Unified understanding of nonlinear viscoelasticity near jamming transition density
Granular Materials &	P-CJA-SD-4b P-CJA-GJ-4b P-CJA-GJ-5b	Hirokazu Maruoka Hidemasa Bessho Kazuya U. Kobayashi	Dynamical impact of dense suspension of millimetre particles Unified understanding of nonlinear viscoelasticity near jamming transition density The generation and dynamics of a granular jet induced by a sudden acceleration
Granular Materials & Jamming Dynamics of	P-CJA-SD-4b P-CJA-GJ-4b P-CJA-GJ-5b P-CJA-GJ-6b	Hirokazu Maruoka Hidemasa Bessho Kazuya U. Kobayashi Ye Yuan	Dynamical impact of dense suspension of millimetre particles Unified understanding of nonlinear viscoelasticity near jamming transition density The generation and dynamics of a granular jet induced by a sudden acceleration Experimental Test of the Edwards Volume Ensemble for Tapped Granular Packings
Granular Materials & Jamming	P-CJA-SD-4b P-CJA-GJ-4b P-CJA-GJ-5b P-CJA-GJ-6b P-B-BS-4b	Hirokazu Maruoka Hidemasa Bessho Kazuya U. Kobayashi Ye Yuan Masako Shimizu	Dynamical impact of dense suspension of millimetre particles Unified understanding of nonlinear viscoelasticity near jamming transition density The generation and dynamics of a granular jet induced by a sudden acceleration Experimental Test of the Edwards Volume Ensemble for Tapped Granular Packings Effect of 2'-OH Group on Intermolecular Dynamics of Nucleotides in Aqueous Solution

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Confinement & Thin Films	P-LD-CF-5b	Ryunosuke Yonemori	Molecular dynamics study on 2D aggregate structures of perfluoroalkyl oligomers
	P-LD-CF-6b	Sebastian Kloth	Molecular Dynamics Simulations of Confined Liquids with Inhomogeneous Structures
	P-LD-CF-7b	Mar í a Teresa Viciosa	Investigating the surface effects on drug loaded mesoporous silica nanoparticles
	P-LD-CF-8b	Menghan ZHANG	Dynamics of amorphous and crystalline methane hydrates
	P-LD-CF-9b	Tae Hoon Seo	Growth of GaN film on nanoporous-ordered GaN/sapphire template for high power semiconductor device
Ion Conduction in Glasses	P-TR-IC-1b	Masahiro Ikeda	Non-Arrhenius Ionic Conductivity in AgI-based Superionic Conducting Glasses in a Wide Temperature Range
	P-TR-IC-2b	Masaru Aniya	Ionic Conductivity, Fragility and Cooperativity in Ion Conducting Polymers: A Study based on the BSCNF Model
	P-TR-IC-3b	Yong Suk Yang	Ionic transport mechanism in lithium iron phosphate glasses
Fast & Slow β Relaxations	P-R-BR-1b	Bing Wang	Low-temperature relaxation peak in a model metallic glass
Physical Aging	P-R-PA-1b	Tongyu	Unexpected non-monotonic changing in the heterogeneity of glasses during annealing
	P-R-PA-2b	Federico Caporaletti	Experimental evidence of the Slow Arrhenius Process in small molecules
	P-R-PA-3b	Sneha Srinivasan	Role of molecular packing and confinement in glassy state properties of polymer brush films
Advanced Light & Neutron Scattering	P-TQ-LN-1b	Yuko Amo	On the breakdown of the coincidence between 1 st - and 2 nd - order optical susceptibility below THz region
	P-TQ-LN-2b	Tatsuro Oda	Status of Neutron Spin Echo Spectrometers in Japan
Information Science & Machine Learning	P-TQ-iM-1b	Guoqiang Zhou	Intelligent polymer
High Pressure Studies	P-TQ-HP-1b	Yahia Chergui	A Comparative Study of the Chemical Bonds of ZnO Rocksalt and Wurtzite types Under Extended Pressure and Temperature; a Molecular Dynamics prediction