



2023 GLASS & OPTICAL MATERIALS DIVISION ANNUAL MEETING (GOMD 2023)

June 4-8, 2023 | Hotel Monteleone | New Orleans, LA USA



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2023

GLASS & OPTICAL MATERIALS DIVISION
ANNUAL MEETING (GOMD 2023)

June 4–8, 2023 | Hotel Monteleone | New Orleans, LA USA



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Session Information							
Session Title: Session 4: Atomistic Simulation of Predictive Modeling of Glasses I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 130							
Session Location: Queen Anne A							
Session Host: Chair: Alfonso Pedone							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 100							
Notes to Admin: Monday, June 5, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3873362	GOMD-S1-001-2023	Structural and Fracture Properties of Amorphous Calcium Carbonate	Rimsza, Jessica	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/24/2023)
2	3859038	GOMD-S1-002-2023	Applicability and limitations of force-matching potentials	Urata, Shingo	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (5/02/2023)
3	3870086	GOMD-S1-003-2023	Verification of machine learning molecular dynamics simulations for modeling sodium borate glasses	Kato, Takeyuki	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/23/2023)
4	3872573	GOMD-S1-004-2023	Modeling Oxygen Tricluster Formation in Calcium Aluminosilicate Supercooled Liquids and Glasses	Welch, Rebeca	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (5/02/2023)
5	3874221	GOMD-S1-005-2023	Computer simulation of copper-containing bioactive glass	Christie, Jamieson	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/21/2023)
6	3874486	GOMD-S1-006-2023	Calculated Raman Spectra of LIGO Coating Amorphous Oxides	Zhang, Rui	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/20/2023)

Session Information							
Session Title: Session 6: Mechanical Properties of Glasses I: Indentation Response							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 140							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Theany To							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 102							
Notes to Admin: Monday, June 5, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3874160	GOMD-S1-007-2023	Proton implantation and creep deformation for phosphosilicate glasses monitored utilizing an electrochemical indenter	Daiko, Yusuke	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/25/2023)
2	3873994	GOMD-S1-008-2023	Strain Rate Sensitivity of Indentation Size Effect in Silicate Glasses	Shrestha, Pratikshya	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/25/2023)
3	3874135	GOMD-S1-009-2023	In-situ evaluation of Vickers contact morphology of silicate glasses using the indentation microscope	Yoshida, Satoshi	Invited (by Invitation Only)	10:10 AM 10:40 AM	Accepted (4/26/2023)
4	3887542	GOMD-S1-011-2023	A Qualitative Method to Find Indentation Induced Densification and Shear flow in Glasses	Pazhankave, Silpa	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (5/02/2023)
5	3888189	GOMD-S1-012-2023	The role of indenter geometry on scratch-induced damage of silica glass using PeriDynamic	Mannan, Sajid	Contributed (Oral)	11:00 AM 11:20 AM	Accepted (4/29/2023)
6	3888659	GOMD-S1-013-2023	3D Raman Mapping of Glass Indentation Stress Fields	Bellafatto, Amanda	Contributed (Oral)	11:20 AM 11:40 AM	Accepted (5/01/2023)

Session Information							
Session Title: Session 8: Glass Under Extreme Conditions							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 150							
Session Location: Royal C							
Session Host: Chair: Madoka Ono							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 104							
Notes to Admin: June 5, 2023, 9:20- 12 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3883924	GOMD-S1-014-2023	Containerless processing of oxide melts in microgravity: Glass formation, thermophysical properties, and atomic structure	Wilke, Stephen	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/17/2023)
2	3869535	GOMD-S1-015-2023	Structure of oxide glasses and liquids under extreme conditions	Kohara, Shinji	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/13/2023)
3	3870228	GOMD-S1-016-2023	Thermal Conductivity of the Silica glass Pressure-quenched at Liquid phase	Ono, Madoka	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/13/2023)
4	3874145	GOMD-S1-017-2023	Controlling the atomic structure of thin film SiO ₂ using crystal surfaces	Kirchner, Katelyn	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/17/2023)
5	3888321	GOMD-S1-018-2023	Effect of pressure quenching on the structure and mechanical properties of borosilicate glasses: Insights from molecular dynamics simulations	Du, Jincheng	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (5/02/2023)
6	3878619	GOMD-S1-019-2023	Redistribution of SiO ₂ in silicate glasses by laser-induced Soret effect: Sign inversion of the Soret coefficient of SiO ₂	Shimizu, Masahiro	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/13/2023)
7	3888380	GOMD-S1-020-2023	Radiation damage and helium bubble formation in ceramics and glass-ceramics and the role of interfaces	Mir, Anamul haq	Contributed (Oral)	11:30 AM 11:50 AM	Accepted (4/14/2023)

Session Information							
Session Title: Session 3: Sorption, Coatings, and Mechanics of Glass Surfaces							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 120							
Session Location: Royal Salon							
Session Host: Chair: Joy Banerjee							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 106							
Notes to Admin: Monday, June 5, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3887386	GOMD-S2-002-2023	Superhydrophobic functional Coatings with high Temperature Stability and Durability for indoor and outdoor Applications	Schmidt-Verma, Anna	Contributed (Oral)	9:20 AM 9:40 AM	Invited
2	3888366	GOMD-S2-003-2023	Revealing invisible subsurface damage in silicate glass made by topographically elastic contact	Ogrinc, Andrew	Contributed (Oral)	9:40 AM 10:00 AM	Accepted (4/25/2023)
3	3887834	GOMD-S2-004-2023	Elucidating the influence of graphene sheets on the scratch response of silica glass surfaces	Sahoo, Sourav	Contributed (Oral)	10:00 AM 10:20 AM	Accepted (4/27/2023)
4	3888538	GOMD-S2-005-2023	Insights into the structural evolution of silica glass under scratch	Sahoo, Sourav	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (4/27/2023)
5	3876588	GOMD-S2-006-2023	Water entry into glass fracture surfaces during subcritical crack growth	Potter, Arron	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (4/21/2023)
6	3873871	GOMD-S2-007-2023	Ionic Exchange in a borosilicate glass with phase separation	Verron, Anaïs	Contributed (Oral)	11:00 AM 11:20 AM	Accepted (4/21/2023)

Session Information							
Session Title: Session 1: STEM Outreach							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 150							
Session Location: Royal B							
Session Host: Chair: Charmayne Lonergan Chair: Kathryn Goetschius							
Session Creator: Goetschius, Kathryn							
Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics							
Client Session ID: 108							
Notes to Admin: Monday, June 5, 2023 9:20 am							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3874410	GOMD-S4-001-2023	STEM Outreach in Ceramics and Glass: How to Inspire the Next Generation of Professionals	Engen, Amanda	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/17/2023)
2	3871901	GOMD-S4-002-2023	Building Compassion and Human Bridges Through Research Collaborations	Graeve, Olivia	Invited (by Invitation Only)	9:50 AM 10:20 AM	Accepted (4/17/2023)
3	3888638	GOMD-S4-003-2023	Glass Science Outreach via PNNL's STEM Ambassadors Program: A Framework for Changing Research-Community Interactions	Lonergan, Charmayne	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (4/28/2023)
4	3875307	GOMD-S4-004-2023	I Love the Sound of Breaking Glass	Tsekrekas, Elizabeth	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (4/24/2023)
5	3888310	GOMD-S4-005-2023	The Gathering: A Collaborative Retreat to Advance Glass Art and Science	Cooper, Scott	Contributed (Oral)	11:00 AM 11:20 AM	Accepted (5/05/2023)
6	3892401	GOMD-S4-006-2023	Environmentally Sustainable Glass Melting with Low Carbon Footprint-Pedagogy across Schools of Engineering and Art and Design at Alfred University	Sundaram, Shan	Invited (by Invitation Only)	11:20 AM 11:50 AM	Accepted (5/02/2023)

Session Information							
Session Title: Session 2: Challenges in Manufacturing I							
Session Abbreviation: Manufacturing I							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 9:20 AM							
Duration: 150							
Session Location: Royal D							
Chair: Irene Peterson							
Session Host: Chair: Andries Habraken							
Chair: Jong Han							
Session Creator: Peterson, Irene							
Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics							
Client Session ID: 110							
Notes to Admin: Mon June 5 9:20 AM							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3875667	GOMD-S4-007-2023	Thermodynamic assessment of the boundary conditions of upper-structure refractory corrosion	Conradt, Reinhard	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/22/2023)
2	3877581	GOMD-S4-008-2023	The Impact of Glass Furnace Operating Conditions on Corrosion of Chrome Oxide Refractories	Pappacena, Kristen	Invited (by Invitation Only)	9:50 AM 10:20 AM	Accepted (4/11/2023)
3	3877649	GOMD-S4-009-2023	Refractory corrosion in Joule-heated melters for nuclear waste vitrification	McCloy, John	Invited (by Invitation Only)	10:20 AM 10:50 AM	Accepted (4/12/2023)
4	3874980	GOMD-S4-010-2023	Phase diagram study and thermodynamic modeling of the Na ₂ O-Al ₂ O ₃ -ZrO ₂ and Na ₂ O-SiO ₂ -ZrO ₂ systems	Lee, Jaesung	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/14/2023)
5	3874986	GOMD-S4-011-2023	Coupled phase diagram and Thermodynamic optimization study of the SnO-SnO ₂ -SiO ₂ -Al ₂ O ₃ system	Lee, Jaesung	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/14/2023)
6	3894475	GOMD-S4-012-2023	Dissolution mechanisms of minerals in silicate liquids of industrial interest	Yoshizawa, Fatima	Contributed (Oral)	11:30 AM 11:50 AM	Accepted (4/12/2023)

Session Information							
Session Title: Session 4: Materials for Waste Immobilization II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 3:40 PM							
Duration: 100							
Session Location: Royal C							
Session Host: Chair: Jaime George							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 111							
Notes to Admin: Monday, June 5, 3:40 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3876185	GOMD-S2-021-2023	Aluminum impact of the alteration of silicate glasses: Towards a better understanding of the mechanisms at play using simple glasses	Reiser, Joelle	Contributed (Oral)	3:40 PM 4:00 PM	Accepted (4/17/2023)
2	3873836	GOMD-S2-022-2023	The effect of alkali metal and alkaline earth cations on the dissolution behaviour of UK High Level Waste glass	Ayling, Jennifer	Contributed (Oral)	4:00 PM 4:20 PM	Accepted (4/18/2023)
3	3874437	GOMD-S2-024-2023	Incorporation of phosphorus in an alkali-rich aluminoborosilicate simplified nuclear glass	Caurant, Daniel	Contributed (Oral)	4:20 PM 4:40 PM	Accepted (4/18/2023)
4	3875078	GOMD-S2-025-2023	Investigating the solubility of MoO ₃ in peraluminous borosilicate glasses	Joseph, Nedgine	Contributed (Oral)	4:40 PM 5:00 PM	Accepted (5/02/2023)

Session Information							
<p>Session Title: Session 3: High Temperature Studies I</p> <p>Session Abbreviation:</p> <p>Session Type: Oral</p> <p>Session Start Time: Mon 6/05/2023 1:20 PM</p> <p>Duration: 140</p> <p>Session Location: Royal B</p> <p>Session Host: Chair: Randall Youngman</p> <p>Session Creator: McCurdy, Karen</p> <p>Session Topic: S1: Fundamentals of the Glassy State</p> <p>Client Session ID: 112</p> <p>Notes to Admin: Monday, June 5, 2023, 1:20 p.m.</p>							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3867423	GOMD-S1-021-2023	Borate liquids by x-ray diffraction, the extreme cases of lithium and barium modified networks	Alderman, Oliver	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/18/2023)
2	3887135	GOMD-S1-022-2023	Aluminium Local Environment and Dynamics in Aluminosilicate Melts: A High-Temperature Nuclear Magnetic Resonance Approach	Florian, Pierre	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/18/2023)
3	3862953	GOMD-S1-023-2023	Phase separation and atomic structure in aluminosilicate supercooled liquids and glasses	Wilke, Stephen	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/17/2023)
4	3874260	GOMD-S1-024-2023	Static and kinetic study of the structure of fused silica at high temperatures by infrared emission spectroscopy	Ermini, Ilse Maria	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/19/2023)
5	3873019	GOMD-S1-025-2023	Investigation of the Properties and Structure of Fragile Metal Oxide Liquids	Weber, Richard	Contributed (Oral)	2:50 PM 3:10 PM	Accepted (4/17/2023)
6			Break			3:10 PM 3:40 PM	

Session Information							
Session Title: Session 3: High Temperature Studies II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 3:40 PM							
Duration: 100							
Session Location: Royal B							
Session Host: Chair: Randall Youngman							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 114							
Notes to Admin: Monday, June 5, 2023, 3:40 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3875797	GOMD-S1-026-2023	What is the role of lithium in silicate glasses and melts?	Neuville, Daniel	Contributed (Oral)	3:40 PM 4:00 PM	Accepted (4/19/2023)
2	3896729	GOMD-S1-027-2023	Raman Spectroscopic imaging of local glass structure modification in Na ₂ O-CaO-Al ₂ O ₃ -SiO ₂ (NCAS) glass and melts	Burov, Ekaterina	Contributed (Oral)	4:00 PM 4:20 PM	Accepted (5/08/2023)
3	3878934	GOMD-S1-028-2023	Determination of the effective equilibrium constant of Sn ²⁺ /Sn ⁴⁺ in non-alkali borosilicate glass melt	Maehara, Terutaka	Contributed (Oral)	4:20 PM 4:40 PM	Accepted (5/02/2023)
4	3885589	GOMD-S1-029-2023	MD simulations of soda-lime silica remelting processes	Cormack, Alastair	Contributed (Oral)	4:40 PM 5:00 PM	Accepted (5/02/2023)
5	3877762	GOMD-S1-030-2023	Structural and physical properties of Bi ₂ O ₃ -SiO ₂ -Al ₂ O ₃ glasses prepared by a levitation technique	Masuno, Atsunobu	Contributed (Oral)	5:00 PM 5:20 PM	Accepted (4/17/2023)

Session Information							
Session Title: Session 4: Atomistic Simulation of Predictive Modeling of Glasses II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 1:20 PM							
Duration: 120							
Session Location: Queen Anne A							
Session Host: Chair: Hiroyuki Inoue							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 116							
Notes to Admin: Monday, June 5, 2023, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3875470	GOMD-S1-031-2023	Amorphous oxides modeling and molecular dynamic simulations with machine learning potentials	Jiang, Jun	Contributed (Oral)	1:20 PM 1:40 PM	Accepted (4/27/2023)
2	3875604	GOMD-S1-032-2023	Decoding the Effect of Temperature and Pressure on Glass	Zhou, Qi	Contributed (Oral)	1:40 PM 2:00 PM	Accepted (5/08/2023)
3	3875814	GOMD-S1-033-2023	Metadynamics study of the favored nucleation pathway of lithium disilicate	Lodesani, Federica	Contributed (Oral)	2:00 PM 2:20 PM	Accepted (4/21/2023)
4	3875884	GOMD-S1-034-2023	Simulation of Mechanical Properties and Hardness in Aluminosilicate Glasses	Pallini, Annalisa	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (4/23/2023)
5	3876159	GOMD-S1-035-2023	Are there oxygen vacancies in amorphous oxide?	Shluger, Alexander	Contributed (Oral)	2:40 PM 3:00 PM	Not Yet Invited
6			Break			3:00 PM 3:20 PM	

Session Information							
Session Title: Session 4: Atomistic Simulation of Predictive Modeling of Glasses III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 3:40 PM							
Duration: 60							
Session Location: Queen Anne A							
Session Host: Chair: Hiroyuki Inoue							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 118							
Notes to Admin: Monday, June 5, 2023, 3:40p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3876525</u>	GOMD-S1-037-2023	Atomic Structure of Titania-doped Germania Coatings	Prasai, Kiran	Contributed (Oral)	3:40 PM 4:00 PM	Accepted (5/02/2023)
2	<u>3877878</u>	GOMD-S1-038-2023	Molecular Dynamics Simulations of the Ceria-Silica Chemical Mechanical Polishing Process	Pedone, Alfonso	Contributed (Oral)	4:00 PM 4:20 PM	Accepted (5/03/2023)
3	<u>3886311</u>	GOMD-S1-039-2023	Vanadium Oxidation States and Structural Role in Aluminoborosilicate Glasses: An Integrated Experimental and Molecular Dynamics Simulation Study	Lu, Xiaonan	Contributed (Oral)	4:20 PM 4:40 PM	Accepted (4/20/2023)

Session Information

Session Title: Session 6: Mechanical Properties of Glasses II: Charles R. Kurkjian Memorial Special Session
 Session Abbreviation:
 Session Type: Oral
 Session Start Time: Mon 6/05/2023 1:20 PM
 Duration: 120
 Session Location: Queen Anne Ballroom
 Session Host: Chair: Tanguy Rouxel
 Session Creator: McCurdy, Karen
 Session Topic: S1: Fundamentals of the Glassy State
 Client Session ID: 120
 Notes to Admin: Monday, June 5, 2023, 1:20 p.m.

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3899887</u>	GOMD-S1-040-2023	Glass, Indentation, and Chuck	Yoshida, Satoshi	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/26/2023)
2	<u>3900016</u>	GOMD-S1-041-2023	Chuck Kurkjian: Two-point bending, and the failure characteristics of silicate glasses	Brow, Richard	Invited (by Invitation Only)	1:50 PM 2:20 PM	Accepted (4/25/2023)
3	<u>3900297</u>	GOMD-S1-042-2023	Nonlinear Elasticity of Silica Glass Fiber under High Strains	Huang, Liping	Invited (by Invitation Only)	2:20 PM 2:50 PM	Accepted (5/02/2023)
4	<u>3901708</u>	GOMD-S1-043-2023	Charles R. Kurkjian: The Bell Labs years	Krol, Denise	Invited (by Invitation Only)	2:50 PM 3:20 PM	Accepted (4/25/2023)

Session Information							
Session Title: Session 6: Mechanical Properties of Glasses III: Charles R. Kurkjian Memorial Special Session							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 3:20 PM							
Duration: 70							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Tanguy Rouxel							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 122							
Notes to Admin: Monday, June 5, 2023, 3:40 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1			Break			3:20 PM 3:40 PM	
2	<u>3902214</u>	GOMD-S1-044-2023	Unusual Strength and Explosive Disintegration of Prince Rupert's Drops	Chandrasekar, Srinivasan	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (5/04/2023)
3	<u>3848489</u>	GOMD-S1-046-2023	Room temperature viscous flow of micron scale amorphous silica induced by electron beam irradiation	Bruns, Sebastian	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (4/25/2023)

Session Information							
Session Title: Session 3: Surface Chemistry and Modifications							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 1:20 PM							
Duration: 100							
Session Location: Royal Salon							
Session Host: Chair: Seong Kim							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 124							
Notes to Admin: Monday, June 5, 2023, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3868132	GOMD-S2-008-2023	Quantifying the Outer Monolayer Composition of Glass Surfaces by Low-energy Ion Scattering: The Case of Aluminosilicate Fracture Surfaces	Smith, Nicholas	Contributed (Oral)	1:20 PM 1:40 PM	Accepted (4/20/2023)
2	3874359	GOMD-S2-009-2023	Wetting Angle Measurements of Heavy Metal Oxide and Rare-Earth Doped Glasses	Walton, Matthew	Contributed (Oral)	1:40 PM 2:00 PM	Accepted (5/08/2023)
3	3848197	GOMD-S2-010-2023	Quantification of weathering products on mixed-modifier aluminosilicate glass surfaces with an experimental and optical modeling approach	Banerjee, Joy	Contributed (Oral)	2:00 PM 2:20 PM	Accepted (5/02/2023)
4	3897808	GOMD-S2-012-2023	Impact of surface treatments on particle contamination	Agnello, Gabriel	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (5/12/2023)
5			Break			2:40 PM 3:00 PM	

Session Information							
Session Title: Session 3: Tutorial Session on Glass Surface Analysis							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 3:40 PM							
Duration: 80							
Session Location: Royal Salon							
Session Host: Chair: Nicholas Smith							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 126							
Notes to Admin: Monday, June 5, 2023							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3892833</u>	GOMD-S2-013-2023	Vibrational Spectroscopy of silica and silicate glasses – a tutorial	Kim, Seong	Invited (by Invitation Only)	3:40 PM 4:20 PM	Accepted (4/22/2023)
2	<u>3894129</u>	GOMD-S2-014-2023	Spectroscopic Ellipsometry: Analysis Approaches to Avoid User Frustration	Podraza, Nik	Invited (by Invitation Only)	4:20 PM 5:00 PM	Accepted (4/21/2023)

Session Information							
Session Title: Session 4: Materials for Waste Immobilization I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Mon 6/05/2023 1:20 PM							
Duration: 140							
Session Location: Royal C							
Session Host: Chair: Jaime George							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 128							
Notes to Admin: Monday, June 5, 2023 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3888495	GOMD-S2-016-2023	Stirred Reactor Coupon Analysis (SRCA) – A New ASTM Standard Method	Ryan, Joseph	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (5/08/2023)
2	3875591	GOMD-S2-017-2023	Predicting the Long-Term Durability of Glasses using Machine Learning	Bauchy, Mathieu	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (5/02/2023)
3	3888286	GOMD-S2-018-2023	Corrosion of nuclear waste glass in complex natural environments	Thorpe, Clare	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/18/2023)
4	3877043	GOMD-S2-019-2023	Impact of Iron on the Durability of Vitrified UK High Level Waste	Crawford, Rachel	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/18/2023)
5	3876446 (W)	GOMD-S2-020-2023	Predicting the nepheline amount in high-level nuclear waste glasses by machine learning	Ardic, Ecem	Contributed (Oral)	2:50 PM 3:10 PM	Not Yet Invited
6			Break			3:10 PM 3:40 PM	

Session Information							
<p>Session Title: Session 2: Challenges in Manufacturing II Session Abbreviation: Manufacturing 2 Session Type: Oral Session Start Time: Mon 6/05/2023 1:20 PM Duration: 110 Session Location: Royal D Session Host: Chair: Irene Peterson Chair: Andries Habraken Session Creator: Peterson, Irene Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics Client Session ID: 132 Notes to Admin: Monday June 5 1:20 PM</p>							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3888306</u>	GOMD-S4-013-2023	Decarbonized Glass Manufacturing: Is This the Moment for the US?	Cooper, Scott	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/12/2023)
2	<u>3868215</u>	GOMD-S4-015-2023	Digital material data based glass screening for the systematic development of new glasses	Diegeler, Andreas	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/12/2023)
3	<u>3879714</u>	GOMD-S4-016-2023	The study of Bioactivity and Biocompatibility of Apatite-Wollastonite Glass Ceramics	Workie, Andualem	Contributed (Oral)	2:10 PM 2:30 PM	Invited
4			Break			2:30 PM 3:10 PM	

Session Information

Session Title: Session 2: Challenges in Manufacturing III
 Session Abbreviation: Manufacturing 3
 Session Type: Oral
 Session Start Time: Mon 6/05/2023 3:40 PM
 Duration: 130
 Session Location: Royal D
 Session Host: Chair: Irene Peterson
 Chair: Michelle Korwin-Edson
 Session Creator: Peterson, Irene
 Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics
 Client Session ID: 134
 Notes to Admin: Mon June 5 at 3:40 PM

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3872609	GOMD-S4-017-2023	Exploring cold-cap melting through vitrification of Hanford nuclear wastes and simulants	Dixon, Derek	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/11/2023)
2	3875643	GOMD-S4-018-2023	Primary foaming: Can we estimate the temperature at the batch melt interface?	Pokorny, Richard	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (5/02/2023)
3	3901648	GOMD-S4-019-2023	Mathematical modeling of redox and bubbles in a glass melt	Habraken, Andries	Invited (by Invitation Only)	4:30 PM 5:00 PM	Accepted (5/08/2023)
4	3900570	GOMD-S4-020-2023	Study of Batch-to-Melt Conversion Process of E-Glass: Alternative Source of Silicates	Li, Hong	Invited (by Invitation Only)	5:00 PM 5:30 PM	Accepted (4/11/2023)
5	3876521	GOMD-S4-021-2023	Towards robust UV-active 3D printing of glass: Layer-based and layerless approaches	Walton, Rebecca	Contributed (Oral)	5:30 PM 5:50 PM	Accepted (4/21/2023)

Session Information							
Session Title: Poster Session							
Session Abbreviation:							
Session Type: Poster							
Session Start Time: Mon 6/05/2023 6:30 PM							
Duration: 90							
Session Location: Iberville Ballroom							
Session Host:							
Session Creator: McCurdy, Karen							
Session Topic: Posters							
Client Session ID: 136							
Notes to Admin: Monday, June 5, 2023 6:30-8:00 p.m. Iberville Ballroom							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3876370	GOMD-S1-P002-2023	Thermal and optical properties of zinc bismuth borosilicate glass	Lewis, Theodore	Poster	6:30 PM 8:00 PM	Accepted (4/25/2023)
2	3876565	GOMD-S1-P003-2023	Anomalous elasticity in densified sodium germanate glasses	Sørensen, Søren	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
3	3874190	GOMD-S1-P004-2023	Irradiation of Zeolitic Imidazolate Framework Crystals and Glasses: A Molecular Dynamics Study	Du, Tao	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
4	3888179	GOMD-S2-P003-2023	Impact of Mixed-Alkaline Earth Effect on the Structure and Dissolution Behavior of Borate Glasses	Tamraz, Rokia	Poster	6:30 PM 8:00 PM	Accepted (5/10/2023)
5	3874465	GOMD-S2-P004-2023	A Two-Step Ion-Exchange Process for Mechanical Reinforcement and Biocidal Functionalization of Silicate Glasses	Kaur, Damandeep	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
6	3876129	GOMD-S2-P005-2023	Standardized Durability Test Comparisons of Actual Hanford Waste Glasses with Non-Radioactive Simulant Glasses	Reiser, Joelle	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
7	3886316	GOMD-S2-P006-2023	Low Activity Waste Glass Optimization with Machine Learning	Lu, Xiaonan	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
8	3888260	GOMD-S2-P007-2023	The dissolution of glasses incorporating high-uranium BUTEX reprocessing wastes	Corkhill, Claire	Poster	6:30 PM 8:00 PM	Accepted (5/03/2023)
9	3881085	GOMD-S3-P001-2023	Compositional Effect on the Photoluminescence Quantum Yield of CsPbBr ₃ Perovskite Nanocrystals within Borosilicate Glasses	Lee, Jinju	Poster	6:30 PM 8:00 PM	Accepted (4/25/2023)
10	3887647	GOMD-S3-P002-2023	Physical Properties and Structural Analysis of B ₂ O ₃ -La ₂ O ₃ -Ta ₂ O ₅ -ZnO Glasses for High Refractive Index Optical Lenses	Hong, Seok Jin	Poster	6:30 PM 8:00 PM	Accepted (4/25/2023)
11	3902682	GOMD-S3-P003-2023	Effect of La ₂ O ₃ addition on the properties of alumino-borosilicate glasses for PCB applications	Kadathala, Linganna	Poster	6:30 PM 8:00 PM	Accepted (4/26/2023)
12	3867398	GOMD-S4-P001-2023	Gas composition analysis of tiny bubbles by Raman spectroscopy	Okumura, Kimiyasu	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
13	3888330	GOMD-S4-P002-2023	Stoneware from glass waste	Klouzkova, Alexandra	Poster	6:30 PM 8:00 PM	Accepted (5/08/2023)
14	3902385	GOMD-S4-P003-	Characterization of SLS Glass Powders by Diffuse Reflectance Spectroscopy	Yaniger, Stuart	Poster	6:30 PM 8:00 PM	Invited

		2023					
15	3870383	GOMD-UP-P001-2023	Raman and NMR Structural Studies of a Very Wide Range of Na ₂ O-SiO ₂ Glasses	Walsh, Casey	Poster	6:30 PM 8:00 PM	Accepted (5/08/2023)
16	3872418	GOMD-UP-P002-2023	Extending the Glass Formation of Alkali Tellurites	Wei, Yi	Poster	6:30 PM 8:00 PM	Invited
17	3887629	GOMD-UP-P003-2023	Machine Learning to predict bioactive glass melting parameters to achieve multivalent nanoceria with specific ratios of Ce ³⁺ /Ce ⁴⁺	Ranasinghe, Kisa	Poster	6:30 PM 8:00 PM	Accepted (5/15/2023)
18	3876104	GOMD-UP-P004-2023	Two-Point Bend Measurements of Failure Strain for Alkali Silicate Glasses	Murphy, Taylor	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
19	3876982	GOMD-UP-P005-2023	Crystallization and viscosity behavior of sulfide, oxy-sulfide, and oxy-sulfide-nitride glassy solid electrolytes	Leland, Stuart	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
20	3869253	GOMD-UP-P006-2023	Low frequency EIS at low temperatures of x Li ₂ O (1-x) B ₂ O ₃ glasses	Walker, Virginia	Poster	6:30 PM 8:00 PM	Accepted (5/02/2023)
21	3888270	GOMD-UP-P007-2023	Relationship between Rigid-Unit Packing Fraction and ionic conductivity of highly modified alkali-borate glasses	Fang, Ningyuan	Poster	6:30 PM 8:00 PM	Accepted (5/08/2023)
22	3876419	GOMD-UP-P008-2023	Efficacy of DIW 3D-Printing Silica Glass Printing by Varying Ink Solvent Formulation	Tobin, Nicholas	Poster	6:30 PM 8:00 PM	Accepted (5/03/2023)
23	3876426	GOMD-UP-P009-2023	Investigating Polyols and pH for Controlling Sol-Gel Germania Nanoparticle Growth for Use in 3D-Printed Glass	Fernandes, Andrew	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
24	3876545	GOMD-UP-P010-2023	Network Evolution and Chemical Speciation in Glass Materials Derived from Hybrid Sol-Gel Nanoparticles	Destino, Joel	Poster	6:30 PM 8:00 PM	Accepted (5/04/2023)
25	3875630	GOMD-GP-P001-2023	Temperature dependence of configuration entropy for Adam-Gibbs modeling of glass melt viscosity	Malviya, Preeti	Poster	6:30 PM 8:00 PM	Accepted (5/03/2023)
26	3877236	GOMD-GP-P002-2023	Opacification of Mixed-Alkali Soda Lime Silicate Glass through Ion-Exchange	Kasprzyk, Jacob	Poster	6:30 PM 8:00 PM	Accepted (5/08/2023)
27	3869286	GOMD-GP-P003-2023	Heavy Metal Oxides: A Replacement for Lead	Tsekrekas, Elizabeth	Poster	6:30 PM 8:00 PM	Accepted (5/05/2023)
28	3887604	GOMD-GP-P004-2023	Mechanical and Chemical Strengthening Properties of Na ₂ O-Al ₂ O ₃ -SiO ₂ -B ₂ O ₃ glasses depending on composition	Park, Seong Young	Poster	6:30 PM 8:00 PM	Accepted (4/26/2023)
29	3869543	GOMD-GP-P005-2023	Synthesis of permanently densified SiO ₂ glass by hot compression	Sato, Shuya	Poster	6:30 PM 8:00 PM	Accepted (4/26/2023)
30	3888444	GOMD-GP-P006-2023	Structures, Properties and Glass-water Interfacial Reactions of Aluminosilicate Glasses from Reactive Molecular Dynamics Simulations	Kalahe, Jayani	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
31	3876538	GOMD-GP-P007-2023	Investigating the impact of Bi ₂ O ₃ on sulfur solubility in sodium aluminoborosilicate glasses	Joseph, Nedgine	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
32	3876012	GOMD-GP-P008-2023	Processing and Electrochemical Behavior of Sodium Mixed Oxy-Sulfide Nitride Drawn Thin Film Glassy Solid Electrolytes	Olson, Madison	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
33	3876995	GOMD-GP-P009-2023	Analysis of the Chemical Instability of Na ₄ P ₂ S _{5.8} O _{0.92} N _{0.18} GSE and its Effect on Full Cell Battery Performance	Wakefield, Alec	Poster	6:30 PM 8:00 PM	Accepted (5/08/2023)

34	<u>3888177</u>	GOMD- GP-P010- 2023	A Collaborative Effort between Glass Engineering, Art, and New York State Glass Companies in Production of the FISU Winter Games Podium Medals	Greiner, Lucas	Poster	6:30 PM 8:00 PM	Accepted (4/24/2023)
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Session Information							
Session Title: 2023 George W. Morey Award Lecture							
Session Abbreviation:							
Session Type: Plenary							
Session Start Time: Tue 6/06/2023 8:00 AM							
Duration: 80							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Joseph Ryan							
Session Creator: McCurdy, Karen							
Session Topic: Award Lectures							
Client Session ID: 200							
Notes to Admin: Tuesday, June 6, 2023, 8 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3932418</u>	GOMD-AW-001-2023	Even glass corrodes in contact with water	Gin, Stephane	Invited (by Invitation Only)	8:00 AM 9:00 AM	Accepted (4/26/2023)
2			Break			9:00 AM 9:20 AM	

Session Information							
Session Title: Session 3: Spectroscopy I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 160							
Session Location: Royal B							
Session Host: Chair: Daniel Neuville							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 202							
Notes to Admin: Tuesday, June 6, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3877357	GOMD-S1-047-2023	Oxygen speciation in borate and germanate glasses: Results from ultra-high field ^{17}O NMR spectroscopy	Sen, Sabyasachi	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (5/02/2023)
2	3902710	GOMD-S1-048-2023	Characterizing the structure of homogeneous and phase-separated glasses in the $60\text{SiO}_2\text{-}8\text{Ga}_2\text{O}_3\text{-}8\text{Nb}_2\text{O}_3\text{-}x\text{Na}_2\text{O}$ from advanced solid-state NMR spectroscopy	Fayon, Franck	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/18/2023)
3	3887882	GOMD-S1-049-2023	Spectroscopic study of structural variations in orthoborate glasses	Möncke, Doris	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/19/2023)
4	3868887	GOMD-S1-050-2023	Spectroscopic Study of Tungsten Borate Glasses	Tsekrekas, Elizabeth	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/24/2023)
5	3873515	GOMD-S1-051-2023	Change in local structure near molybdenum cations with variation of MoO_3 content in a sodium borate glass	Sukenaga, Sohei	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/17/2023)
6	3877810	GOMD-S1-052-2023	Local structure analysis in rare-earth-rich borate glasses	Sasaki, Shunta	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/26/2023)
7	3874476	GOMD-S1-053-2023	Raman Studies of Fe Redox Effects on Iron Speciation in Borosilicate Waste Glasses	McKeown, David	Invited (by Invitation Only)	11:30 AM 12:00 PM	Accepted (4/17/2023)

Session Information							
Session Title: Session 4: Atomistic Simulation of Predictive Modeling of Glasses IV							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 110							
Session Location: Queen Anne A							
Session Host: Chair: Alfonso Pedone							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 204							
Notes to Admin: Tuesday, June 6, 2023							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3895075	GOMD-S1-054-2023	Choosing an inter-atomic potential for simulation of glasses: Which force field and why?	Krishnan, N M Anoop	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (5/02/2023)
2	3888059	GOMD-S1-055-2023	Structure of La ₂ O ₃ -WO ₃ glass using First-Principles Molecular dynamics simulations	Inoue, Hiroyuki	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (5/08/2023)
3	3888106	GOMD-S1-056-2023	Mobile-particle clusters in high-dimensional supercooled liquids are often noncompact	Hoy, Robert	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/20/2023)
4	3888395	GOMD-S1-057-2023	Effect of Interatomic Potential and Simulation Procedures on the structures of Sodium Aluminosilicate Glasses from Molecular Dynamics Simulations	Kalahe, Jayani	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/21/2023)
5	3890642	GOMD-S1-058-2023	First principles study of boron oxides	Umemoto, Koichiro	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/24/2023)

Session Information							
Session Title: Session 6: Mechanical Properties of Glasses IV: Structure/Property Relationship							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 160							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Satoshi Yoshida							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 206							
Notes to Admin: Tuesday, June 6, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3876127	GOMD-S1-059-2023	Elaboration and mechanical properties of 30BaO-20TiO ₂ -50SiO ₂ glass-ceramics	To, Theany	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/25/2023)
2	3882210	GOMD-S1-060-2023	Effect of Alkali Oxides on the Chemical Strengthening Properties and Structure of Sodium Alumino-Silicate Glasses	Park, Kyeong Dae	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (5/03/2023)
3	3887864	GOMD-S1-061-2023	Crack Resistance, Scratch and Nanomechanical Behavior of Ion-exchanged Sodium Aluminophosphosilicate Glass	Krishnan, N M Anoop	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (5/10/2023)
4	3876085	GOMD-S1-062-2023	Mechano-optical couplings in an oxynitride glass-ceramic	Rouxel, Tanguy	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (5/30/2023)
5	3888191	GOMD-S1-063-2023	Linking Crack Resistance to Inelastic Volume Deformations in Calcium Aluminosilicate Glasses	Shrestha, Pratikshya	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/25/2023)
6	3888363	GOMD-S1-064-2023	Mixed Modifier Effect in Sodium Calcium Aluminosilicate Glasses – Its impact on Mechanical, Chemical, and Mechanochemical Durability	Ogrinc, Andrew	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/25/2023)
7	3902392	GOMD-S1-065-2023	Molecular Dynamics Simulations of the Mechanical properties of Glasses: a Review	Cormack, Alastair	Invited (by Invitation Only)	11:30 AM 12:00 PM	Accepted (5/02/2023)

Session Information							
Session Title: Session 2: Dissolution and Interfacial Reactions I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 120							
Session Location: Royal D							
Session Host: Chair: Benjamin Parruzot							
Session Creator: Du, Jincheng							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 208							
Notes to Admin: Tuesday, June 6 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3874284	GOMD-S2-026-2023	On the effect of Al on alumino-borosilicate glass chemical durability	Gin, Stephane	Contributed (Oral)	9:20 AM 9:40 AM	Accepted (4/25/2023)
2	3888436	GOMD-S2-027-2023	Composition Effect on Interfacial Reactions of Sodium Aluminosilicate Glasses in Aqueous Solution	Kalahe, Jayani	Contributed (Oral)	9:40 AM 10:00 AM	Accepted (4/25/2023)
3	3888241	GOMD-S2-029-2023	Elucidating the role of Zn in borosilicate glass dissolution	Corkhill, Claire	Contributed (Oral)	10:00 AM 10:20 AM	Accepted (5/03/2023)
4	3876167	GOMD-S2-030-2023	Impact of high ionic field strength cations on the dissolution behavior of alkali/alkaline-earth aluminoborosilicate glasses in aqueous solutions	Qin, Qianhui	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (4/25/2023)
5	3889366	GOMD-S2-031-2023	Structural and dissolution studies of Na ₂ O-CaO-B ₂ O ₃ glasses in aqueous solutions	Zhang, Han	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (4/26/2023)
6	3853543	GOMD-S2-032-2023	Compositional modeling of chemical durability of enhanced low-activity waste glasses tested by EPA method 1313	Marcial, Jose	Contributed (Oral)	11:00 AM 11:20 AM	Accepted (5/09/2023)

Session Information							
Session Title: Session 4: Materials for Waste Immobilization III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 110							
Session Location: Royal C							
Session Host: Chair: Jaime George							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 210							
Notes to Admin: Tuesday, June 6, 2023 9:20							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3881753</u>	GOMD-S2-033-2023	Electron Equivalents (EE) Modeling to Control REDuction/Oxidation (REDOX) in High Level Waste (HLW) Glasses	Jantzen, Carol	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/23/2023)
2	<u>3877142</u>	GOMD-S2-034-2023	Exploring off gases produced during Hanford nuclear waste vitrification through mass spectroscopy	Peterson, Miroslava	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (5/02/2023)
3	<u>3876318</u>	GOMD-S2-035-2023	Comparison of organic and ceramic reducing agents on the processing behavior of low-activity nuclear waste melter feeds	Rigby, Jessica	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/17/2023)
4	<u>3876872</u>	GOMD-S2-036-2023	Effect of Redox Conditions on the Retention of Rhenium during Vitrification of Low-Activity Waste	Klouzek, Jaroslav	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/18/2023)
5	<u>3848539</u>	GOMD-S2-038-2023	Physico-chemical properties of γ -irradiated International Simple Glass (ISG) nuclear waste simulants with low levels of iron impurities	Jiménez, José	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/17/2023)

Session Information							
Session Title: Session 5: Rare-earth and Transition Metal-doped Glasses and Ceramics for Photonic Applications I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 9:20 AM							
Duration: 130							
Session Location: Royal Salon							
Session Host: Chair: Volkmar Dierolf Chair: Andrea de Camargo							
Session Creator: Möncke, Doris							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 212							
Notes to Admin: Tuesday, June 6, 9:20 a.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3861942	GOMD-S3-001-2023	Phosphor-Up-converted white LED materials assisted by 1-D photonic crystals	Almeida, Rui	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/26/2023)
2	3873903	GOMD-S3-002-2023	Low Temperature Sintering of Polycrystalline Hybrid Organic-Inorganic Perovskites	Brennan, Michael	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/20/2023)
3	3894815	GOMD-S3-003-2023	Evidence of cubic γ - calcium lanthanum oxysulfide crystalline phase	Kostogiannes, Alexandros	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/20/2023)
4	3878445	GOMD-S3-004-2023	Improved Efficiencies in Indirect Flat Panel Detector Systems through the use of Glass Ceramics	Johnson, Jacqueline	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/20/2023)
5	3888361	GOMD-S3-005-2023	Warm White Light Emitting Composite Phosphor Ceramic	Osborne, Ross	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (5/05/2023)
6	3876959	GOMD-S3-006-2023	Incorporation of Erbium into Laser Written Lithium Niobate Crystals in Lithium Niobosilicate Glass	Barker, Collin	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/20/2023)

Session Information

Session Title: 2023 Norbert J. Kreidl Award Lecture

Session Abbreviation:

Session Type: Plenary

Session Start Time: Tue 6/06/2023 12:00 PM

Duration: 60

Session Location: Iberville A

Session Host: Chair: Joseph Ryan

Session Creator: McCurdy, Karen

Session Topic: Award Lectures

Client Session ID: 214

Notes to Admin: Tuesday, June 6, 2023, 12:15- 1:15 p.m.

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3932927</u>	GOMD-AW-002-2023	Decoding the Structural Genome of Silicate Glasses	Zhou, Qi	Invited (by Invitation Only)	12:00 PM 1:00 PM	Accepted (5/08/2023)

Session Information							
Session Title: Session 3: Glass Characterization and Properties							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 60							
Session Location: Royal B							
Session Host: Chair: Daniel Neuville							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 216							
Notes to Admin: Tuesday, June 6, 2023, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3875665</u>	GOMD-S1-070-2023	High resolution neutron diffraction studies of glassy and crystalline phases of SiO ₂	Hannon, Alex	Contributed (Oral)	1:20 PM 1:40 PM	Accepted (5/05/2023)
2	<u>3877566</u>	GOMD-S1-072-2023	Infrared spectra of photo-thermo-refractive glass	Shirshnev, Pavel	Contributed (Oral)	1:40 PM 2:00 PM	Accepted (5/09/2023)
3			Break			2:00 PM 2:20 PM	

Session Information							
Session Title: Session 5: Data-based Modeling and Machine Learning for Glass Science I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 140							
Session Location: Queen Anne A							
Session Host: Chair: Mathieu Bauchy							
Session Creator: Cassar, Daniel							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 218							
Notes to Admin: Tuesday - 6/6/2023 - Starts at 1:20 PM							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3874240	GOMD-S1-074-2023	Computer Vision Predictions of Glass-Ceramic Hardness	Wilkinson, Collin	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/20/2023)
2	3887971	GOMD-S1-075-2023	Learning the indentation size effect in hardness of glasses through symbolic reasoning-informed machine learning	Mannan, Sajid	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/21/2023)
3	3875747	GOMD-S1-076-2023	Multi-task deep neural network for predicting glass properties	Cassar, Daniel	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/26/2023)
4	3888636	GOMD-S1-077-2023	A physics-informed-ML framework to predict the viscosity and glass-forming ability of oxide liquid	Bishnoi, Suresh	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (5/02/2023)
5	3874185	GOMD-S1-078-2023	Decoding Structure-Property Relations in Oxide Glasses Using Classification-Based Machine Learning	Du, Tao	Contributed (Oral)	2:50 PM 3:10 PM	Accepted (4/21/2023)
6			Break			3:10 PM 3:40 PM	

Session Information							
Session Title: Session 5: Data-based Modeling and Machine Learning for Glass Science II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 110							
Session Location: Queen Anne A							
Session Host: Chair: Daniel Cassar							
Session Creator: Cassar, Daniel							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 220							
Notes to Admin: Tuesday - 6/6/2023 - Starts at 3:40 PM							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3888355	GOMD-S1-079-2023	Predicting physical properties of SiO ₂ -based glasses by atomistic simulations and machine learning	Qi, Liang	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/20/2023)
2	3875596	GOMD-S1-080-2023	Inferring Interatomic Forcefields Using Graph Neural Networks	Bauchy, Mathieu	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (4/20/2023)
3	3874970	GOMD-S1-081-2023	Improving molecular dynamics simulations of oxide glasses with machine learning potentials	Bertani, Marco	Contributed (Oral)	4:30 PM 4:50 PM	Accepted (5/03/2023)
4	3888701	GOMD-S1-082-2023	Learning the Dynamics of Physical Systems with Hamiltonian Graph Neural Networks	Bishnoi, Suresh	Contributed (Oral)	4:50 PM 5:10 PM	Accepted (5/02/2023)
5	3887209	GOMD-S1-083-2023	Automated extraction of glass compositions and properties from research literature	Zaki, Mohd	Contributed (Oral)	5:10 PM 5:30 PM	Accepted (4/20/2023)

Session Information							
Session Title: Session 6: Mechanical Properties of Glasses V							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 130							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Liping Huang							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 222							
Notes to Admin: Tuesday, June 6, 2023, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3892763	GOMD-S1-084-2023	Deformation and fracture of silicate glasses under tension: Insights from atomistic computer simulations	Zhang, Zhen	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/25/2023)
2	3875655	GOMD-S1-085-2023	Correlation of the excess enthalpy to the mechanical properties determined by tensile testing of individual glass wool insulation fibers	Maiwald, Martin	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (5/08/2023)
3	3876046	GOMD-S1-086-2023	Dynamic Fatigue Parameter Comparison of Alkali Silicate Glasses for Subcritical Crack Growth Calculations	Weyrauch, Noah	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/25/2023)
4	3869719	GOMD-S1-087-2023	Understanding the Role of Mobile Species in Silicate Glass Fracture	Maksimov, Vasilii	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/25/2023)
5	3897109	GOMD-S1-088-2023	Field strength effect on the elastoplastic behavior of aluminoborosilicate glasses	Fry, Aubrey	Contributed (Oral)	2:50 PM 3:10 PM	Accepted (4/25/2023)
6			Break			3:10 PM 3:30 PM	

Session Information							
Session Title: Session 2: Glass Crystallization: Electric Properties for Battery Application							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 90							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Ashutosh Goel Chair: Ina Mitra							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 223							
Notes to Admin: Tuesday, June 6, 2023, 3:40 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3872276	GOMD-S1-066-2023	Development of Glass-Ceramic All-Solid-State Sodium Battery by Laser Processing	Honma, Tsuyoshi	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/20/2023)
2	3872313	GOMD-S1-067-2023	Nanocrystallization of Sn and FeSn ₂ in glass-ceramics and its electrochemical properties for sodium ion battery	Sato, Fumitaka	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (5/02/2023)
3	3874519	GOMD-S1-068-2023	Utilizing Electrical Impedance Spectroscopy (E.I.S.) to Observe In-situ Phase Changes in Lithium Diborate Glass	Bragatto, Caio	Contributed (Oral)	4:30 PM 4:50 PM	Accepted (4/20/2023)
4	3888424	GOMD-S1-069-2023	Preparation and characterization of perovskite glass ceramics for energy storage applications	Xie, Wenqing	Contributed (Oral)	4:50 PM 5:10 PM	Accepted (5/03/2023)

Session Information							
Session Title: Session 2: Dissolution and Interfacial Reactions II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 120							
Session Location: Royal D							
Session Host: Chair: Stephane Gin							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 224							
Notes to Admin: Tuesday, June 6, 2023, 1:20- 3:20 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3887423	GOMD-S2-039-2023	Chemical durability of chemically strengthened silicate glasses	Kaur, Damandeep	Contributed (Oral)	1:20 PM 1:40 PM	Accepted (4/25/2023)
2	3888365	GOMD-S2-040-2023	A Path to Halt Sodium Leaching from Soda Lime Silica Glass	Ogrinc, Andrew	Contributed (Oral)	1:40 PM 2:00 PM	Accepted (4/25/2023)
3	3872546	GOMD-S2-041-2023	Impact of buffer chemistry on the dissolution behavior of multicomponent glasses	Stone-Weiss, Nicholas	Contributed (Oral)	2:00 PM 2:20 PM	Accepted (5/02/2023)
4	3887795	GOMD-S2-042-2023	Thermodynamic modeling of interactions between mineral wool fibers and simulated lung fluids for predicting the dissolution behavior	Drnovsek, Natasa	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (4/25/2023)
5	3894425	GOMD-S2-044-2023	Effect of ring distribution on the dissolution of borosilicate glasses: Using Persistent Homology	Krishnan, N M Anoop	Contributed (Oral)	2:40 PM 3:00 PM	Accepted (4/24/2023)
6			Break			3:00 PM 3:20 PM	

Session Information							
Session Title: Session 2: Dissolution and Interfacial Reactions III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 120							
Session Location: Royal D							
Session Host: Chair: Jincheng Du							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 226							
Notes to Admin: Tuesday, June 6, 3:40 to 5:40 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3873967	GOMD-S2-045-2023	Simulating the Long-Term Aqueous Corrosion of Enhanced Waste Glasses	Kerisit, Sebastien	Contributed (Oral)	3:40 PM 4:00 PM	Accepted (5/02/2023)
2	3888342	GOMD-S2-046-2023	Analysis of structure, reactions and water transport in nanoporous hydrated calcium aluminosilicate gel structures	Mahadevan, Thiruvilla	Contributed (Oral)	4:00 PM 4:20 PM	Accepted (5/03/2023)
3	3870223	GOMD-S2-047-2023	Stage II and Stage III durability behavior of low-activity waste glasses: From static laboratory testing to simulations in disposal conditions	Parruzot, Benjamin	Contributed (Oral)	4:20 PM 4:40 PM	Accepted (5/02/2023)
4	3868974	GOMD-S2-048-2023	Effect of composition on the long-term dissolution behavior of 24 statistically-designed, alkali-borosilicate glasses	Neeway, Jim	Contributed (Oral)	4:40 PM 5:00 PM	Accepted (4/26/2023)
5	3875634	GOMD-S2-049-2023	Long-term dissolution of simulated UK Ca/Zn HLW glass in near-neutral groundwaters at 40 °C	Harrison, Mike	Contributed (Oral)	5:00 PM 5:20 PM	Accepted (4/26/2023)
6	3888353	GOMD-S2-050-2023	Microstructures of Corroded Glasses and Glass-Ceramics and the Role of Radiation Damage	Mir, Anamul haq	Contributed (Oral)	5:20 PM 5:40 PM	Accepted (4/25/2023)

Session Information							
Session Title: Session 4: Materials for Waste Immobilization IV							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 130							
Session Location: Royal C							
Session Host: Chair: John McCloy							
Session Creator: McCurdy, Karen							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 228							
Notes to Admin: Tuesday, June 6, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3868529	GOMD-S2-051-2023	Development of HLW and ILW Vitrified Products for Disposal of Higher Activity Wastes in a UK Geological Disposal Facility	Lawson, Sebastian	Invited (by Invitation Only)	1:20 PM 1:50 PM	Not Yet Invited
2	3884803	GOMD-S2-052-2023	Interactions between glass melt and liquid metal during high temperature process	Agullo, Julia	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/18/2023)
3	3869167	GOMD-S2-053-2023	Glass formulation approach for mixed technological waste vitrification involving a rheological study of NCAS glasses	Perret, Damien	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/18/2023)
4	3874071	GOMD-S2-054-2023	Iodine Immobilization: Synthesis and Characterization of Ceramic Waste Forms from Caustic Scrubber Processing	Lere-Adams, Arumala	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/17/2023)
5			Break			2:50 PM 3:10 PM	

Session Information							
Session Title: Session 1: Laser Interactions with Glasses I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 110							
Session Location: Royal B							
Session Host: Chair: Keith Veenhuizen							
Session Creator: Schwarz, Casey							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 230							
Notes to Admin: Tuesday, June 6, 2023, 3:40 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3874236</u>	GOMD-S3-007-2023	AI-Assisted Design of Colored Dental Ceramics	Wilkinson, Collin	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/20/2023)
2	<u>3873010</u>	GOMD-S3-008-2023	Silver photochemical reactivity analysis in electron-irradiated gallo-phosphate glasses	Ollier, Nadège	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (4/21/2023)
3	<u>3875178</u>	GOMD-S3-009-2023	Changes in the structure of glasses upon heating with a focused laser	Thapa, Rajendra	Contributed (Oral)	4:30 PM 4:50 PM	Accepted (4/20/2023)
4	<u>3875185</u>	GOMD-S3-010-2023	Atomistic Simulations of seeded crystal growth in lithium niobosilicate glasses	Thapa, Rajendra	Contributed (Oral)	4:50 PM 5:10 PM	Accepted (4/20/2023)
5	<u>3880940</u>	GOMD-S3-011-2023	Forming core/shell quantum dots inside glass using green lasers	Heo, Jong	Contributed (Oral)	5:10 PM 5:30 PM	Accepted (4/20/2023)

Session Information							
Session Title: Session 5: Rare-earth and Transition Metal-doped Glasses and Ceramics for Photonic Applications II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 1:20 PM							
Duration: 120							
Session Location: Royal Salon							
Session Host: Chair: Andrea de Camargo Chair: Volkmar Dierolf							
Session Creator: Möncke, Doris							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 232							
Notes to Admin: Tuesday, June 6, 2023, 1:20 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3864609	GOMD-S3-012-2023	Optical properties of erbium doped lanthanum titanate glasses	Topper, Brian	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (5/02/2023)
2	3875374	GOMD-S3-013-2023	Improved broadband near-infrared luminescence with Er ³⁺ /Tm ³⁺ /Yb ³⁺ doped tellurite glasses for optical communications	Carvalho Pinto, Iago	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/20/2023)
3	3876068	GOMD-S3-014-2023	Broadband luminescence of Er ³⁺ /Tm ³⁺ /Yb ³⁺ doped bismuth-germanate glasses for fiber amplifiers	Camici, Huseyin Can	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/20/2023)
4	3888186	GOMD-S3-015-2023	Early-stage clustering in Tb-doped borosilicate glasses revealed by high-resolution scanning transmission electron microscopy	Thieme, Katrin	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/20/2023)
5			Break			2:50 PM 3:20 PM	

Session Information							
Session Title: Session 5: Rare-earth and Transition Metal-doped Glasses and Ceramics for Photonic Applications III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 70							
Session Location: Royal Salon							
Session Host: Chair: Doris Möncke Chair: Volkmar Dierolf							
Session Creator: Möncke, Doris							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 234							
Notes to Admin: Tuesday, June 6, 2023, 3:40 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3875926</u>	GOMD-S3-016-2023	BiF ₃ incorporation in RE doped fluoride-phosphate glasses for high energy radiation detectors	de Camargo, Andrea	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/20/2023)
2	<u>3894863</u>	GOMD-S3-017-2023	Fabrication of Fiber Laser Preforms Via Sol-Gel Coating	Sasan, Koroush	Contributed (Oral)	4:10 PM 4:30 PM	Accepted (4/20/2023)
3	<u>3904875</u>	GOMD-S3-018-2023	High-power laser cooling and temperature-dependent fluorescence studies of ytterbium doped silica	Topper, Brian	Contributed (Oral)	4:30 PM 4:50 PM	Accepted (5/02/2023)

Session Information							
Session Title: Session 5: Open Loop Glass Recycling							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Tue 6/06/2023 3:40 PM							
Duration: 110							
Session Location: Royal C							
Session Host: Chair: Enrico Bernardo							
Session Creator: Bernardo, Enrico							
Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics							
Client Session ID: 236							
Notes to Admin: Tuesday, June 6, 2023, 3:40 p.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3902687	GOMD-S4-022-2023	Improving the Sustainability and Thermal Insulation Properties of Foamed Glass	Hribar, Uroš	Invited (by Invitation Only)	3:40 PM 4:10 PM	Accepted (4/18/2023)
2	3875694	GOMD-S4-023-2023	Pressureless cold consolidation of glass: A new alkali activation strategy for the upcycling of waste glass	Bernardo, Enrico	Invited (by Invitation Only)	4:10 PM 4:40 PM	Accepted (4/18/2023)
3	3902352	GOMD-S4-024-2023	Preparation of glass fibers from copper slags via carbothermic reduction	Sander, Stephan	Invited (by Invitation Only)	4:40 PM 5:10 PM	Accepted (5/03/2023)
4	3902431	GOMD-S4-025-2023	Understanding the molecular mechanism of alkali activation of pharmaceutical glass: A preliminary study	Tameni, Giulia	Contributed (Oral)	5:10 PM 5:30 PM	Accepted (4/18/2023)

Session Information							
Session Title: Varshneya Frontiers of Glass Science Lecture							
Session Abbreviation:							
Session Type: Plenary							
Session Start Time: Wed 6/07/2023 8:00 AM							
Duration: 80							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Joseph Ryan							
Session Creator: McCurdy, Karen							
Session Topic: Award Lectures							
Client Session ID: 300							
Notes to Admin: Wednesday, June 7, 2023, 8 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3932023</u>	GOMD-AW-003-2023	What the Glass Transition Means to Me	Klein, Lisa	Invited (by Invitation Only)	8:00 AM 9:00 AM	Accepted (4/26/2023)
2			Break			9:00 AM 9:20 AM	

Session Information							
Session Title: Session 2: Transparent Glass Ceramics							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 150							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Ina Mitra							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 302							
Notes to Admin: Wednesday, June 7, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3887416	GOMD-S1-089-2023	Transparent ZrO ₂ Glass Ceramics	Dejneka, Matt	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/21/2023)
2	3876079	GOMD-S1-090-2023	Controlling Factors on the Mechanical Strength and Fracture Toughness of Stoichiometric Barium Disilicate Glass-Ceramics	Serbena, Francisco	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/23/2023)
3	3886210	GOMD-S1-091-2023	Transparent Glass-Ceramics Derived from Ta-Containing Aluminophosphosilicate Glasses	Youngman, Randall	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/20/2023)
4	3875841	GOMD-S1-093-2023	Structural study and investigation of crystallization behavior of the alumino(boro)silicate glasses containing tin-doped indium oxide nanocrystals	Ashjari, Amir	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (5/02/2023)
5	3881046 (W)	GOMD-S1-094-2023	Impact of TiO ₂ on melt rheology and crystallization behavior of glasses along nepheline – spinel join	Qin, Qianhui	Contributed (Oral)	10:50 AM 11:10 AM	Not Yet Invited
6	3888262	GOMD-S1-095-2023	Crystallization of chemically stabilized cristobalite from SiO ₂ -rich glasses	Thieme, Katrin	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/21/2023)

Session Information							
Session Title: Session 5: Data-based Modeling and Machine Learning for Glass Science III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 100							
Session Location: Queen Anne A							
Session Host: Chair: N M Anoop Krishnan							
Session Creator: Cassar, Daniel							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 304							
Notes to Admin: Wednesday - 6/7/2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3874719	GOMD-S1-096-2023	Persistent homology: Analysis of medium-range glass structure	Smedskjaer, Morten	Contributed (Oral)	9:20 AM 9:40 AM	Accepted (4/21/2023)
2	3886288	GOMD-S1-097-2023	Predicting boron coordination in multicomponent borate and borosilicate glasses using analytical models and machine learning	Lu, Xiaonan	Contributed (Oral)	9:40 AM 10:00 AM	Accepted (4/20/2023)
3	3893802	GOMD-S1-098-2023	Decoding the Topological Origin of the Thermal Expansion of Glasses	Zhou, Qi	Contributed (Oral)	10:00 AM 10:20 AM	Accepted (4/20/2023)
4	3887659	GOMD-S1-099-2023	A Graph Reinforcement Learning Approach to Optimize glassy structures	Bihani, Vaibhav	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (4/20/2023)
5	3870243	GOMD-S1-100-2023	Temperature and Frequency-Dependent Dielectric Properties Prediction of Oxide Glasses by Machine Learning	Shih, Yueh-Ting	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (4/20/2023)

Session Information							
Session Title: Session 1: Glasses, glass-ceramics and glass-based biomaterials							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 180							
Session Location: Royal C							
Session Host: Chair: Delia Brauer Chair: Jamieson Christie							
Session Creator: Kapoor, Saurabh							
Session Topic: S2: Glass and Interactions with Its Environment: Fundamentals and Applications							
Client Session ID: 306							
Notes to Admin: We have two invited talks and 6 oral presentation, hence we are exceeding the limit by 20 minutes							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3896112	GOMD-S2-056-2023	Unravelling the structural role of doping cations in bioactive glasses through molecular dynamics simulations	Pedone, Alfonso	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (5/08/2023)
2	3894974	GOMD-S2-057-2023	Simple preparation of a stable ternary phosphate glass	Goldstein, Jonathan	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/14/2023)
3	3892127	GOMD-S2-058-2023	Investigating the sintering of bioactive glasses using heating microscopy	Brauer, Delia	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/12/2023)
4	3877162	GOMD-S2-059-2023	Network Structures and Dissolution Properties of Na-Ca-Sr-Borophosphate Glasses	Freudenberger, Parker	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/11/2023)
5	3876222	GOMD-S2-060-2023	The Development of Calcium Phosphate Phases on Na ₂ O-CaO-B ₂ O ₃ -P ₂ O ₅ Glasses Reacted in Simulated Body Fluids	Blatt, Rebekah	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (5/08/2023)
6	3882450	GOMD-S2-061-2023	Parameter Play of Bioactive Glasses In Vitro Dissolution	Hupa, Leena	Invited (by Invitation Only)	11:10 AM 11:40 AM	Accepted (4/12/2023)
7	3874215	GOMD-S2-062-2023	Developing reactive potentials to understand the dissolution of phosphate glass	Christie, Jamieson	Contributed (Oral)	11:40 AM 12:00 PM	Accepted (4/14/2023)
8	3872996	GOMD-S2-063-2023	Use of glass from smartphone touch screen for radiological accident dosimetry by EPR spectroscopy	Ollier, Nadège	Contributed (Oral)	12:00 PM 12:20 PM	Accepted (4/12/2023)

Session Information							
Session Title: Session 1: Laser Interactions with Glasses II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 100							
Session Location: Royal B							
Session Host: Chair: Keith Veenhuizen							
Session Creator: McCurdy, Karen							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 308							
Notes to Admin: Wednesday, June 7, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3876180	GOMD-S3-019-2023	Laser-assisted processing of hermetic glass-to-metal seals	Read, Aaron	Contributed (Oral)	9:20 AM 9:40 AM	Accepted (4/21/2023)
2	3876256	GOMD-S3-020-2023	Determining the Electrical Properties of Metallic Nanoparticles Formed in Glass Under Femtosecond Laser Irradiation	Tsekrekas, Anthony	Contributed (Oral)	9:40 AM 10:00 AM	Accepted (4/28/2023)
3	3876380	GOMD-S3-021-2023	Lattice orientation during the earliest stages of crystal growth in glass under localized irradiation	Musterman, Evan	Contributed (Oral)	10:00 AM 10:20 AM	Accepted (4/25/2023)
4	3876677	GOMD-S3-022-2023	Concurrent coloration and bleaching of PTR glass by pulsed radiation at 400 nm	Lumpkin, Daniel	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (5/08/2023)
5	3876974	GOMD-S3-023-2023	Laser Induced Crystallization of Sintered Glass Microspheres	Barker, Collin	Contributed (Oral)	10:40 AM 11:00 AM	Accepted (4/21/2023)

Session Information							
Session Title: Session 2: Charge and Energy Transport in Disordered Materials I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 90							
Session Location: Royal D							
Session Host: Chair: Caio Bragatto Chair: Gabriel Agnello							
Session Creator: Bragatto, Caio							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 310							
Notes to Admin: Wednesday - 6/7/2023 9:20 a.m. – 11:00 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3871858	GOMD-S3-024-2023	Interplay between electron and ion transport in amorphous oxide films	Shluger, Alexander	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/12/2023)
2	3872492	GOMD-S3-025-2023	Structure and electrochemical properties of the first drawn thin film sulfide-based lithium glassy solid electrolyte	Wheaton, Jacob	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/12/2023)
3	3875613	GOMD-S3-026-2023	Nitrogen incorporation of Li-Si-P-S-O-N glasses	Torres, Victor	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (5/05/2023)
4	3874717	GOMD-S3-027-2023	Structure dependence of fracture toughness and ionic conductivity in glassy electrolytes for solid-state batteries	Smedskjaer, Morten	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/13/2023)

Session Information							
Session Title: Session 4: Optical and Optoelectronic Glass-based Devices I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 9:20 AM							
Duration: 150							
Session Location: Royal Salon							
Session Host: Chair: Virginie Nazabal							
Session Creator: McCurdy, Karen							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 312							
Notes to Admin: Wednesday, June 7, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3880273	GOMD-S3-028-2023	Glasses for Terahertz Optics and Photonics	Sundaram, Shan	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (5/02/2023)
2	3874369	GOMD-S3-029-2023	Structural characterization of (100-x)BaO.2B ₂ O ₃ xNaF by X-ray absorption, neutron diffraction and its link to thermoluminescent properties	Rodriguez, Mauricio	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/26/2023)
3	3876385	GOMD-S3-030-2023	Ferroelectric Response of Rotating-Lattice Single Crystal Lines Fabricated in Sb ₂ S ₃ Glass by Laser Irradiation	Kaman, John	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/25/2023)
4	3876605	GOMD-S3-031-2023	Multiband Materials for Vis-MWIR Optics	Floyd, Adam	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/25/2023)
5	3877329	GOMD-S3-032-2023	Luminescence of photo-thermo-refractive glass under excitation in visible region	Alvarez, Roberto	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (5/09/2023)
6	3880935	GOMD-S3-033-2023	Remote Phosphor Based on CsPbBr ₃ Perovskite Nanocrystal Embedded Glasses and Ultra-Thin Glass for Flexible White LED Color Converter	Chung, Woon Jin	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/25/2023)
7	3883040	GOMD-S3-034-2023	Direct laser writing of gradient refractive index micro-lenses for mid-infrared applications	Masselin, Pascal	Contributed (Oral)	11:30 AM 11:50 AM	Accepted (4/26/2023)

Session Information							
Session Title: Session 1: Glass Formation and Structural Relaxation I							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 1:20 PM							
Duration: 120							
Session Location: Royal B							
Session Host: Chair: Sabyasachi Sen							
Session Creator: Wilkinson, Collin							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 314							
Notes to Admin: Wednesday, June 7, 2023 at 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3875664	GOMD-S1-101-2023	Structural relaxation and glass-formation in phase change materials and its implication for electronic applications	Lucas, Pierre	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/23/2023)
2	3876069	GOMD-S1-102-2023	Dynamic Light Scattering in Assorted Germanate Glass Melts	Sidebottom, David	Invited (by Invitation Only)	1:50 PM 2:20 PM	Accepted (4/23/2023)
3	3874132	GOMD-S1-103-2023	Phenomenological model of glass dynamics: Temperature dependent nonexponentiality and enthalpy fluctuation	Takeda, Wataru	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (4/21/2023)
4	3876810	GOMD-S1-104-2023	Non-exponential relaxation in glass-forming liquids: Dependence on temperature and fragility	Sen, Sabyasachi	Contributed (Oral)	2:40 PM 3:00 PM	Accepted (4/23/2023)
5	3854987	GOMD-S1-105-2023	High-speed anisotropic etching technique for silica glass using hydrogen fluoride gas and catalyst material	Ono, Yoshitaka	Contributed (Oral)	3:00 PM 3:20 PM	Accepted (4/24/2023)

Session Information							
Session Title: Session 2: Simulation & Analytics							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 1:20 PM							
Duration: 140							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Ashutosh Goel Chair: Randall Youngman							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 316							
Notes to Admin: Wednesday, June 7, 2023, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3872248	GOMD-S1-106-2023	Critical Assessment of Classical Nucleation Theory for Liquids and Glasses	Kelton, Kenneth	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/20/2023)
2	3891657	GOMD-S1-107-2023	Crystal growth in oxide glass melts – Thermodynamic modelling and correlation with liquidus viscosity	Ueberricke, Lucas	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/20/2023)
3	3895325	GOMD-S1-108-2023	Atomistic Modeling of Surface Nucleation in Anorthite-Family Glasses	Maeda, Eriko	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (4/21/2023)
4	3874430	GOMD-S1-109-2023	Novel time-resolved extended x-ray absorption fine structure study of glass structure preceding crystallization	Musterman, Evan	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/25/2023)
5	3873668	GOMD-S1-110-2023	Crystallization in the TeO ₂ - Ta ₂ O ₅ - Bi ₂ O ₃ System: From Glass to Anti-Glass to Transparent Ceramic	Benchorfi, Hasnaa	Contributed (Oral)	2:50 PM 3:10 PM	Accepted (4/26/2023)
6	3894312	GOMD-S1-111-2023	Surface and volume crystallization in glasses revealed by DSC experiments	Malek, Jiri	Contributed (Oral)	3:10 PM 3:30 PM	Accepted (5/03/2023)
7			Break			3:30 PM 3:40 PM	

Session Information							
Session Title: Session 7: MOF-Glasses							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 1:20 PM							
Duration: 100							
Session Location: Royal C							
Session Host: Chair: Morten Smedskjaer							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 318							
Notes to Admin: Wednesday, June 7, 2023 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3875593	GOMD-S1-112-2023	Glass-to-crystal transformation of metal-organic frameworks	Horike, Satoshi	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/11/2023)
2	3873620	GOMD-S1-113-2023	Controlling the Functionality of Metal-organic Framework Glasses and Their Composites	McHugh, Lauren	Invited (by Invitation Only)	1:50 PM 2:20 PM	Accepted (4/12/2023)
3	3875839	GOMD-S1-114-2023	Introducing modifiers in hybrid glasses	Sørensen, Søren	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (4/12/2023)
4	3883271	GOMD-S1-115-2023	Structure and dynamics of glass forming Metal Organic Frameworks : NMR study of Zeolitic Imidazolate Framework ZIF-62	Cornu, Ieuan	Contributed (Oral)	2:40 PM 3:00 PM	Accepted (4/14/2023)

Session Information							
Session Title: Session 2: Charge and Energy Transport in Disordered Materials II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 1:20 PM							
Duration: 80							
Session Location: Royal D							
Session Host: Chair: Gabriel Agnello Chair: Caio Bragatto							
Session Creator: Bragatto, Caio							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 320							
Notes to Admin: Wednesday - 6/7/2023 1:20 p.m. – 3:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3872219</u>	GOMD-S3-035-2023	Investigating Ionic Diffusion Models of Glasses	Wilkinson, Collin	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (4/14/2023)
2	<u>3888463</u>	GOMD-S3-036-2023	Changes in electronic structure upon hydroxylation of multicomponent silicate glass surfaces	Antony, Andrew	Invited (by Invitation Only)	1:50 PM 2:20 PM	Accepted (5/10/2023)
3	<u>3875105</u>	GOMD-S3-039-2023	Study of the ionic conductivity plateau on high-lithium borate glasses	Bragatto, Caio	Contributed (Oral)	2:20 PM 2:40 PM	Accepted (4/12/2023)

Session Information							
Session Title: Session 4: Optical and Optoelectronic Glass-based Devices II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Wed 6/07/2023 1:20 PM							
Duration: 110							
Session Location: Royal Salon							
Session Host: Chair: Juejun Hu							
Session Creator: McCurdy, Karen							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 322							
Notes to Admin: Wednesday, June 7, 1:20 p.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3888131	GOMD-S3-040-2023	Chalcogenide thin films doped with rare earth for mid-IR luminescence	Nazabal, Virginie	Invited (by Invitation Only)	1:20 PM 1:50 PM	Accepted (5/02/2023)
2	3885346	GOMD-S3-041-2023	IR GRIN lenses obtained by ionic exchange in chalcohalide glasses	Zhang, Xianghua	Contributed (Oral)	1:50 PM 2:10 PM	Accepted (4/25/2023)
3	3889221	GOMD-S3-042-2023	Preparation and luminous properties of phosphor in boron zinc Glass for White LED packaging	Li, Hong	Contributed (Oral)	2:10 PM 2:30 PM	Accepted (5/04/2023)
4	3899316	GOMD-S3-043-2023	An open-source, multi-modal, in-situ characterization platform for optical phase change materials	Hu, Juejun	Contributed (Oral)	2:30 PM 2:50 PM	Accepted (4/25/2023)
5	3899320	GOMD-S3-044-2023	PCM is dead, long live PCM: understanding and mitigating failure mechanisms in optical phase change materials	Hu, Juejun	Contributed (Oral)	2:50 PM 3:10 PM	Accepted (4/25/2023)

Session Information							
Session Title: Varshneya Frontiers of Glass Technology Lecture							
Session Abbreviation:							
Session Type: Plenary							
Session Start Time: Thu 6/08/2023 8:00 AM							
Duration: 80							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Joseph Ryan							
Session Creator: McCurdy, Karen							
Session Topic: Award Lectures							
Client Session ID: 400							
Notes to Admin: June 8, 8 a.m. to 9 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3930857</u>	GOMD-AW-004-2023	Reducing Carbon Footprint of Glass Melting: Technology Innovations, Present Status, and Strategies for the Future	Choudhary, Manoj	Plenary	8:00 AM 9:00 AM	Accepted (5/02/2023)
2			Break			9:00 AM 9:20 AM	

Session Information							
Session Title: Session 1: Glass Formation and Structural Relaxation II							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Thu 6/08/2023 9:20 AM							
Duration: 120							
Session Location: Royal B							
Session Host: Chair: Sabyasachi Sen							
Session Creator: Wilkinson, Collin							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 402							
Notes to Admin: Thursday, June 8 at 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3869041	GOMD-S1-116-2023	Density loss, enthalpic relaxation and structural changes in amorphous phase change materials during long-term ageing	Micolaut, Matthieu	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/25/2023)
2	3876821	GOMD-S1-117-2023	Viscosity of glass-forming systems studied using molecular dynamics simulation	Huang, Liping	Invited (by Invitation Only)	9:50 AM 10:20 AM	Accepted (4/23/2023)
3	3872290	GOMD-S1-118-2023	Stretched and compressed exponential relaxation in glass	Lancelotti, Ricardo	Contributed (Oral)	10:20 AM 10:40 AM	Accepted (4/21/2023)
4	3876302 (W)	GOMD-S1-119-2023	Glass Forming Behavior: Interpretation Consistent with Transition State Theory	Kieffer, John	Contributed (Oral)	10:40 AM 11:00 AM	Not Yet Invited
5	3898175	GOMD-S1-120-2023	Modeling nonequilibrium relaxation nature of glass in Nonisothermal Glass Molding process	Vu, Anh Tuan	Contributed (Oral)	11:00 AM 11:20 AM	Accepted (4/28/2023)

Session Information							
Session Title: Session 7: Non-Oxide Glasses and Glass-Ceramics							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Thu 6/08/2023 9:20 AM							
Duration: 130							
Session Location: Royal C							
Session Host: Chair: Pierre Lucas							
Session Creator: McCurdy, Karen							
Session Topic: S1: Fundamentals of the Glassy State							
Client Session ID: 404							
Notes to Admin: Thursday, June 8 9:20 a.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3858205	GOMD-S1-121-2023	Phase change materials and their application to thin-film optical components	Lumeau, Julien	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/12/2023)
2	3875889	GOMD-S1-122-2023	Structure of Ge-As-Te Glass by Raman Spectroscopy	Bayko, Dmitriy	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/16/2023)
3	3888193	GOMD-S1-123-2023	Composition-property relationships of chalcogenide glasses using interpretable machine learning	Mannan, Sajid	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/11/2023)
4	3885225	GOMD-S1-124-2023	Structural considerations in Ag-based telluride glasses	Le Coq, David	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/18/2023)
5	3881271	GOMD-S1-125-2023	Co-sputtered gallium-based telluride thin films	Nemec, Petr	Contributed (Oral)	10:50 AM 11:10 AM	Accepted (4/12/2023)
6	3870549	GOMD-S1-126-2023	Mechanochemical synthesis and structure of glasses and glass-ceramics in the Na ₂ S-Ga ₂ S ₃ (-GeS ₂) systems	Verger, Louisiane	Contributed (Oral)	11:10 AM 11:30 AM	Accepted (4/12/2023)

Session Information							
Session Title: Session 3: Optical Fibers and Waveguides							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Thu 6/08/2023 9:20 AM							
Duration: 110							
Session Location: Royal D							
Session Host: Chair: Jiawei Luo							
Session Creator: McCurdy, Karen							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 406							
Notes to Admin: Thursday, June 8, 2023, 9:20 a.m.							

Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	3848003	GOMD-S3-045-2023	On the evolution of nanoparticles in nanoparticle-doped optical fibers	Ballato, John	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/19/2023)
2	3858117	GOMD-S3-046-2023	Bright Visible Defect Luminescence From Infrared-Pumped Barium Fluorosilicate Glass Fiber	Pietros, Alexander	Contributed (Oral)	9:50 AM 10:10 AM	Accepted (4/19/2023)
3	3869249	GOMD-S3-047-2023	Investigation of Radiation Hardening Strategies for Erbium Doped Fiber	Baker, Colin	Contributed (Oral)	10:10 AM 10:30 AM	Accepted (4/21/2023)
4	3873649	GOMD-S3-048-2023	Chalcogenide Glass Waveguides for Integrated Ratiometric Mid-Infrared Chemical Sensing	Stoll, Katherine	Contributed (Oral)	10:30 AM 10:50 AM	Accepted (4/24/2023)
5	3875874	GOMD-S3-049-2023	Fabrication of Ge-As-Se graded index fiber	Troles, Johann	Contributed (Oral)	10:50 AM 11:10 AM	Not Yet Invited

Session Information							
Session Title: Session 4: Optical and Optoelectronic Glass-based Devices III							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Thu 6/08/2023 9:20 AM							
Duration: 80							
Session Location: Royal Salon							
Session Host: Chair: Virginie Nazabal							
Session Creator: McCurdy, Karen							
Session Topic: S3: Optical and Electronic Materials and Devices: Fundamentals and Applications							
Client Session ID: 408							
Notes to Admin: Thursday, June 8, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3900238</u>	GOMD-S3-050-2023	Ab initio insights into optical properties of chalcogenide glasses for phase-change memory applications	Zhang, Wei	Invited (by Invitation Only)	9:20 AM 9:50 AM	Accepted (4/25/2023)
2	<u>3901431</u>	GOMD-S3-051-2023	Single Particle Analysis in Cryo-EM for understanding the structure of colloids in the solution phase	Arnold, Craig	Invited (by Invitation Only)	9:50 AM 10:20 AM	Accepted (4/29/2023)
3	<u>3902354</u> (W)		High reflective white glass ink used for the photovoltaic glass backplane	Jiao, Jinxu	Contributed (Oral)	10:20 AM 10:40 AM	Not Yet Invited

Session Information							
Session Title: Session 4: Additive Manufacturing of Glass							
Session Abbreviation:							
Session Type: Oral							
Session Start Time: Thu 6/08/2023 9:20 AM							
Duration: 60							
Session Location: Queen Anne Ballroom							
Session Host: Chair: Jungmin Ha							
Session Creator: Franchin, Giorgia							
Session Topic: S4: Outreach Glass Technology Manufactory Recycling & Cross-Cutting Topics							
Client Session ID: 410							
Notes to Admin: Thursday, June 8, 2023, 9:20 a.m.							
Order	Control ID	Final ID	Title	Presenting Author	Presentation Type	Start/end time	Invitation Status
1	<u>3853162</u>	GOMD-S4-026-2023	Tuning refractive index and viscoelasticity of glass inks for direct ink write 3D printing	Ha, Jungmin	Contributed (Oral)	9:20 AM 9:40 AM	Accepted (4/20/2023)
2	<u>3870059</u>	GOMD-S4-027-2023	Rapidly prototyping DIW mixer designs via 3D printing for glass applications	Yee, Timothy	Contributed (Oral)	9:40 AM 10:00 AM	Accepted (4/25/2023)
3	<u>3874163</u>	GOMD-S4-028-2023	An Er ³⁺ -doped gain fiber made via laser-powder sintering	Maniewski, Pawel	Contributed (Oral)	10:00 AM 10:20 AM	Accepted (4/25/2023)

2024

GLASS & OPTICAL MATERIALS DIVISION ANNUAL MEETING

May 19–23, 2024



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