

ŞİŞECAM 38TH INTERNATIONAL GLASS CONFERENCE

"Collaborate to Innovate: For a Sustainable Future"

SCIENTIFIC PROGRAMME

Istanbul Time
(CET +02:00)

November 2, 2023



REGISTRATION	08:00	09:00	MAIN ENTRANCE					
COFFEE BREAK			FOYER A					
OPENING	HALL		Great Room A					
	09:00	09:15	Görkem Elverici Chief Executive Officer, Şişecam, TR					
	09:15	09:30	Prof. Dr. Ahmet Kırman Chairman and Executive Member of the Board, Şişecam, TR					
PLENARY SESSION	HALL		Great Room A					
	CHAIR		Dr. İlkay Sökmen (Glass Technologies Director, Şişecam R&D, TR)					
	09:30	10:10	Dr. Miles Barr Co-Founder and Chief Technology Officer, Ubiquitous Energy, US "Truly Transparent Solar for Electricity Generating Façades"					
COFFEE BREAK	10:10	10:40	FOYER A					
PLENARY SESSION	10:40	11:20	Erik Muijsenberg Vice President, Glass Service A.S., CZ "Decarbonization Pathway of the Glass Industry, Challenges, Opportunities for Different Segments and Possible Solutions Regarding Different Energy Inputs"					
	11:20	12:00	Prof. Dr. John C. Mauro (ONLINE) Department of Materials Science and Engineering, The Pennsylvania State University, US "LionGlass: A Phosphate-Based Approach to Carbon-Neutral Glass Manufacturing"					
LUNCH BREAK	12:00	13:00	THE CITY BRASSERIE					
PARALLEL SESSIONS	HALL		Great Room A		HALL		Great Room B	
	MAIN SESSION		GLASS MELTING AND FORMING PROCESSES		MAIN SESSION		GLASS SURFACES, INTERFACES AND COATINGS	
	CHAIR		Tolga Uysal (Melting Technologies & Engineering Director, Şişecam R&D, TR)		CHAIR		Ozan Özer (Coating Technologies Director, Şişecam R&D, TR)	
	RESP. MEMBER		Şirin Ustaşası (Senior Researcher, Şişecam R&D, TR)		RESP. MEMBER		Çağrı Ocak (Senior Researcher, Şişecam R&D, TR)	
	13:00	13:30	Dr. Marian Klisch Head of R&D, Forglass Sp., PL "Mixing Electrodes (Bubbler & Electrode All in One)"		13:00	13:30	Thomas Preussner Deputy Group Leader, S2S Sputtering & PECVD, Fraunhofer FEP, DE "From Lab to Pilot – Opportunities and Challenges of Large-area Inline Flash Lamp Annealing"	
	13:30	13:50	Burçin Gül Arslanoğlu Exec. Senior Researcher, Modelling, Şişecam R&D Center, TR "Pushing the Limits of Production in Float Furnaces"		13:30	14:00	Dr. Calvin Cheng Chief Operating Officer and Co-Founder, Edgework Advanced Technologies Inc., CA "Enhancing Solar Panel Efficiency through Wide-Angle Anti-Reflection Technologies"	
	13:50	14:10	Dr. Martin Kilo Senior Scientist, Fraunhofer ISC, DE "Glassdigital - Digitalisation of Glass-Development"		14:00	14:20	Dr. Gökseven Kurt Çömlekçi Exec. Sn. Researcher, Atmospheric Coating, Şişecam R&D Center, TR "Graphene Oxide Doped Sizing Effect on Glass Fiber Reinforced PA Mechanical Properties"	
	14:10	14:30	Dirk Schnurpfeil Research And Development Manager, Nikolaus Sorg GmbH & Co. KG, DE "Sorg's "CLEAN-Melter": Advanced Technology for a Sustainable Future"		14:20	14:40	Sezen Öykü Kınacı Master's Student, Middle East Technical University, TR "TiO ₂ /SiO ₂ Aerogel Coating on Glass Provides Anti-Reflection, Water Harvesting, Anti-Bacterial and Self-Cleaning Properties"	
	14:30	14:50	Pelin Akkaya Senior Researcher, Microanalysis, Şişecam R&D Center, TR "Melting Behavior of Natural Inclusions in Raw Materials"		14:40	15:00	Zeynep Aydın Researcher, Atmospheric Coating, Şişecam R&D Center, TR "Development of Water Based Silver Mirror with Improved Durability"	
	COFFEE BREAK	14:50	15:20	FOYER A & FOYER B				
PARALLEL SESSIONS	HALL		Great Room A		HALL		Great Room B	
	MAIN SESSION		ENERGY EFFICIENCY AND DECARBONIZATION STRATEGIES (I)		MAIN SESSION		ADVANCED MATERIALS AND DEVICES (I)	
	CHAIR		Serkan Şahin (Tech. Monitoring & Impl. Dir., Şişecam Production Tech. TR)		CHAIR		M. Ardiç Yılmaz (Marketing Coordinator, Şişecam, TR)	
	RESP. MEMBER		Emre Çelik (Project Engineer, Şişecam R&D, TR)		RESP. MEMBER		Zeynep Aydın (Researcher, Şişecam R&D, TR)	
	15:20	15:50	M. Volkan Duman Energy Manager, Manufacturing Ind., T.C. South Marmara Development Agency, TR "HY South Marmara Hydrogen Valley Project"		15:20	15:50	Ozan Nalcioğlu Vehicle Hardware Modules Engineering Lead, Ford Otosan, TR "The Future Of Automotive Glazing"	
	15:50	16:10	Luc Jarry (ONLINE) Glass and Metal Senior Market Director, Air Liquide, FR "Hydrogen Combustion Technologies for a Smooth Transition"		15:50	16:20	Dr. Bonna Newman Head of Product Solar, Lightyear Board Chair, ASOM Alliance for Solar Mobility, NL "Opportunities and Challenges for VIPV"	
	16:10	16:30	Sjoerd Stelwagen Senior Project Manager, CelSian Glass & Solar B.V., NL "Regenerator Modeling for Energy Optimization"		16:20	16:40	Stephane Baldo CTO, SYNERGX Technologies, CA "Virtualization of Optical Qualification for Windshield Camera Zones"	
	16:30	16:50	Ernesto Cattaneo Head of Innovation Projects, Stara Glass, IT "Contemporary Furnace and Process Design for a Sustainable Glass Production"		16:40	17:00	Utku Er Exec. Senior Researcher, Vacuum Coating Tech., Şişecam R&D Center, TR "Developing of Transparent Radar Absorber Surfaces"	
	16:50	17:10	Gary Cafe Commercial Lead - Green Glass - Schneider Electric, NL "The Electrification of The Glass Industry: Learning from The Past and Present to Drive The FUTURE"		17:00	17:20	Fatma Beyza Yedikardeş Er Senior Researcher, Surface Technology, Şişecam R&D Center, TR "Developing P3HT:WO3 Hybrid Thin Films for Applications in Solid State Electrochromic Devices"	
	POSTER SESSIONS	17:10	18:00	FOYER A				

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Istanbul Time (CET +02:00) **November 3, 2023**

REGISTRATION	08:00	09:00	MAIN ENTRANCE			
PARALLEL SESSIONS	HALL	Great Room A		HALL	Great Room B	
	MAIN SESSION	DIGITALIZATION		MAIN SESSION	ADVANCED MATERIALS AND DEVICES (II)	
	CHAIR	Esra Yazıcı Tahtaloğlu (Data & Analytics Director, Şişecam IT, TR)		CHAIR	Dr. Burcu Apak (Innovation & Quality Manager, Şişecam R&D, TR)	
	RESP. MEMBER	Emre Çelik (Project Engineer, Şişecam R&D, TR)		RESP. MEMBER	Seçil Aydın (Researcher, Şişecam R&D, TR)	
	09:00	09:30	Dr. Yakup Bayram CEO, Co-Founder, PaneraTech, Inc., US "Bridging the Generation Gap with Data-Driven Processes"	09:00	09:30	Prof. Dr. Edgar Dutra Zanatto Materials Science and Engineering, UFSCar, BR "Glass-Ceramics"
	09:30	10:00	Taiga Seki Manager of Innovative Technology Laboratory, AGC Group, JP "Challenges toward Furnace Digital Twin"	09:30	10:00	Prof. Dr. Yuanzheng Yue Chemistry and Bioscience Dept. Aalborg University, DK "Current Understanding of the Properties and Formation of Glass Fibers"
	10:00	10:20	İbrahim Şahinoğlu Data Architect, Data & Analytics, Şişecam IT, TR "Şişecam Digitalization Through the Looking Glass of Big Data and Data Analytics"	10:00	10:20	Yekta Ateş Gösterişlioğlu Senior Researcher, Melting Kinetics, Şişecam R&D Center, TR "Composition Optimization for Improved Chemical Durability on Crystalline Glassware Products"
	10:20	10:40	Can Danisman Business Development Representative, VSight UAB, TR "VSight - Remote Collaboration and Knowledge Platform"	10:20	10:40	Dr. Timuçin Balkan Lead Sn. Researcher, Analytical Chemistry, Şişecam R&D Center, TR "Biopolymer Based Films Reinforced with Recycled SiO ₂ "
10:40	11:00	Melike Duvanoğlu Master's Student, Koç University, TR "Machine Learning Based Modeling of an Industrial Thermal Cracking Furnace"	10:40	11:00	Owen McGann (ONLINE) Principal Technologist, Glass Technology Services Ltd, UK "Past and Future Developments in Phosphate Glass Laser Gain Material"	
COFFEE BREAK	11:00	11:20	FOYER A & FOYER B			
PARALLEL SESSIONS	HALL	Great Room A		HALL	Great Room B	
	MAIN SESSION	ENERGY EFFICIENCY AND DECARBONIZATION STRATEGIES (II)		MAIN SESSION	PRODUCT DESIGN (I)  * Endorsed by WDO	
	CHAIR	Özgür Acar (Furnace Technologies Manager, Şişecam R&D, TR)		CHAIR	Alper Emniyetli (Product and Brand Mang. Director, Şişecam Marketing, TR)	
	RESP. MEMBER	Ezgi Sözen (Researcher, Şişecam R&D, TR)		RESP. MEMBER	Ozan Özalp (Product Designer, Şişecam Design Center, TR)	
	11:20	11:50	Anne Jans Faber (ONLINE) Research Fellow, Henry Royce Institute on behalf of Glass Futures, UK "Glass, Steel, Ceramics - Not as Different as We Appear"	11:20	11:50	Dr. David Kusuma Senator, World Design Organization, USA "A New Emphasis on Research & Innovation to Drive Game-Changing Product Solutions"
	11:50	12:20	Gürhan Dural Chief Project Officer, 7Cbasalia Global, TR "Decarbonization of Glass Industry by Basalia's Technology"	11:50	12:20	Sertaç Ersayın Treasurer, Board Member, World Design Organization, TR V. President, Industrial Designers Society of Türkiye, TR "Sustainable Collaboration is The First Step of Creative Innovation and Design"
12:20	12:40	Steve Whettingsteel CEO & Managing Director, Krysteline Technologies Ltd., UK "Photovoltaic Cell Deconstruction and Recovery"	12:20	12:40	Değer Demircan Acıloğlu Product Design Manager, Glassware, Şişecam Design Center, TR "Design Strategies in Glassware"	
12:40	13:00	Neil Simpson Consultant, Simpson Combustion and Energy Ltd., UK "In 2023 the majority of end fired furnaces run on 20 minutes reversals! Why not optimise?"	12:40	13:00	Pelin Karabay Product Designer, Şişecam Design Center, TR "Fundamentals of Ultra-Lightening in Glass Packaging"	
LUNCH	13:00	14:00	THE CITY BRASSERIE			
PARALLEL SESSIONS	HALL	Great Room A		HALL	Great Room B	
	MAIN SESSION	FUNDAMENTALS OF GLASS SCIENCE		MAIN SESSION	PRODUCT DESIGN (II)  * Endorsed by WDO	
	CHAIR	Atilla Çebi (Analytic Support Services Director, Şişecam R&D, TR)		CHAIR	Yeşim Gülenç (Strategy Dev. & Portfolio Mng. Director, Şişecam, TR)	
	RESP. MEMBER	Caner Aslan (Researcher, Şişecam R&D, TR)		RESP. MEMBER	Sena Veliöğlu (Product Designer, Şişecam Design Center, TR)	
	14:00	14:30	Prof. Dr. Jincheng Du (ONLINE) Materials Science and Engineering, University of North Texas, US "Understand Glass Materials and Their Functional Applications Through Atomistic Computer Simulations"	14:00	14:30	Rianne Koens Circular Design Consultant, Otura Design, NL "Sustainable and Circular Design"
	14:30	15:00	Prof. Dr. Daniel R. Neuville (ONLINE) Senior Research Director, IPGP – CNRS / Paris Institute of Earth Physics, FR "How and Why Investigate the Structural Role of Elements in Glass and Liquid?"	14:30	15:00	Melike Altınışık Principal, Founder, Melike Altınışık Architects - MAA, TR "Fusion of Maestros"
	15:00	15:20	Dr. Hong LI (ONLINE) Fiber Glass, Nippon Electric Glass, US "Natural Silicates in Fiberglass Production"	15:00	15:20	Fatih Bahadıroğlu Portfolio Manager, Architectural Projects, Şişecam Marketing, TR "Sustainable Glazing Solutions"
15:20	15:40	Gülin Demirok Exec. Sn. Researcher, Melting Kinetics, Şişecam R&D Center, TR "Different Silica Sources and Their Effects on Melting and Foaming Behavior for E-Glass Production"	15:20	15:40	Yulii Aleksenko Design Analysis Engineer, Şişecam Moscow, RU "Development of the Methodology for Calculation and Analysis of Blank and Blow Mold Cooling System in Ansys Software Environment"	
15:40	16:00	Merve Kutluğ Head Sn. Researcher, Glass Specialities, Şişecam R&D Center, TR "Improvement of the Selenium Retention and Control of the Color Stability in Selenium Containing Glasses"	15:40	16:00	Umay Kara (ONLINE) MSc Student, Industrial Design Department, Anadolu University, TR "Sustainable Personal Care Product Packaging and System Solutions"	
CLOSING	16:00	16:10	GREAT ROOM A			