

GPD Glass Performance Days 2019 • Program • June 27, THURSDAY

8:00 REGISTRATION							
Complex Geometry & Curved Glass	Laminated Glass	Arch Challenges & Solutions	Research & Development	Facade Engineering	Glass Technology Applications	Tempering / Preprocessing	Future Opportunities in Business
9:00 Durability of Structural Silicone Sealant in Cold Bent Glazing Design Jon Kimberlain, Dow Performance Silicones	Design and Validation of Large Format Self supporting Laminated Glass Beres Dowdle, Surface Design Consulting	Glass Creep of Unsupported Lites in Laminated Glass Julia Schimmelpennin, Eastman Chemical Company	Effects of wavelike distortions on strength of thermally curved glass Matthias Seel, MPA-IfW, Technische Universität Darmstadt	Hybrid façade elements made of FRP and Glass Alina Joachim, Technische Universität Dresden	Glass igloos and large scale architectural case studies Timo Saukko, Fingglass Oy	A micro-mechanical model to calculate the optimal HST holding time Gabriele Pisano, Construction Technologies Institute - National Research Council of Italy (ITC - CNR)	
9:25 Mistral Tower: Solutions for SSG Joints Optimization in Cold Bent Units Viviana Nardini, Sika Services AG	Design and Validation of Large Format Self supporting Laminated Glass Beres Dowdle, Surface Design Consulting	"The tallest, heaviest sliding glass door of all": a case study Pedro Borges de Araújo, Jofebar s.a. / panoramah!@	Edge strength: Crack system and possibilities of increasing the strength Steffen Müller-Braun, Technische Universität Darmstadt	Total transparency: All-glass designs and its features Christoph Bauchinger, seele / se-austria GmbH & Co. KG	Visual Quality of Glass - Anisotropic Effects - Status of the Guideline Stefan Goeddertitz & Michael Elstner, Herzog & de Meuron, AGC Interpane	Checking if Heat Soak Testing was carried out Ignatius Calderone, Calderone and Associates	
9:50 Options for Complex Geometry Facades - Single Corner vs. Free Form Cold-Bending Benjamin Beer, Ramboll	Metal-to-glass bond strength of structural PVB Christian Louter, TU Delft	Structural Glass Challenges: Hudson Yards Observation Deck Eoin Casserly, schlaich bergemann partner	Impact on glass panes and the fracture energy equilibrium Sagar Vanapalli, Anhalt University of Applied Sciences	Advanced Calculation Method for Design of SSG Joints Viviana Nardini, Sika Services AG	RESERVED	On safety of Heat-Soak tested thermally toughened glass Andreas M Kasper, Saint-Gobain	
10:15 COFFEE BREAK, ONE-ON-ONE MEETINGS					Coatings Technology and Applications Session Chairs: Benjamin Beer, Meinhardt Facade Technology & Oliver Hans, Schueco		
11:00 Cold Warped Glass Engineering and Durability Robert Moisy, Surface Design Consulting	Next Generation Ionplast for Improved Glass Lamination Jennifer Schneider, Kuraray America Inc	Connecting Glass, Now and in the Future Graham Coult, Eckersley O'Callaghan	Extension of Pseudo-Elastic Cavitation Model for Cyclic Loading for TSSA Michael Drass, Technische Universität Darmstadt	Advanced Facade Types - The Closed Cavity Facade Valentin Balog, Drees & Sommer	Trends in offline and inline monitoring of coatings along the value chain of architecture, automotive, solar and smart glass Marcus Klein, SURAGUS GmbH	Causes and Risk Management due to Glass Spontaneous Failure Beres Dowdle, Surface Design Consulting	
11:25 The Hot & Cold of Free-form Glass Facades Walter Hartnett, Thornton Tomasetti	Experimental and Methodical Investigations on the Hyperelasticity of Standard PVB Alexander Pauli, Universität der Bundeswehr München	HIGH TEC achievable for everyone Miguel A. Núñez Díaz, Enar, Envolvertes Arquitectónicas	Post-breakage in-plane stiffness of laminated glass. An engineering approach Laura Galuppi, University of Parma	Building Sky View Agnes Koltay, Koltay Facades	Laser - a tool for glass processing Thomas Rainer, HEGLA boraident GmbH & Co. KG	Influence of cooling jets on stress pattern and anisotropy in tempered glass Reijo Karvinen & Antti Aronen, Tampere University of Technology, Glaston Finland Oy	
11:50 Curved and 3D Glass - the new hype in top end architecture Helmut Hohenstein, Dr. Hohenstein Consultancy	Investigations on the visco- and hyperelastic behaviour of polyvinylbutyral interlayers at different temperatures Miriam Schuster, Technische Universität Darmstadt	Inspection of Glass Facades Barbara Siebert, Dr. Siebert Consulting Engineers	Health monitoring of adhesively bonded glass elements by microcapsules Martin Kahlmeyer, University of Kassel	Structural Silicone Joint Dimensioning: ETAG002 and beyond Valérie Hayez, Dow Silicones Belgium	Digitalization of industrial coating production Harald Hagenström, VON ARDENNE GmbH	Anisotropy Measurement for Architectural Glass Louis Moreau, AGNORA	
12:15 STEP-CHANGE, LUNCH, ONE-ON-ONE MEETINGS		IGU & Window technology	STEP-CHANGE, LUNCH, ONE-ON-ONE MEETINGS				Why you should work with startups? Alberto Onetti, Mind the Bridge
13:45 Curved Glass: Reshaping architectural glass with new possibilities and frontiers Javier Sanchez-Gil, Cristacurva	Automating Flat Glass Lamination Process Riku Färm, Glaston	The evolution of Windows and Insert Elements has been driven by trends and enabled by technology - where are the limits? Karl Stefan Dewald, Schüco International KG	The KLEBTECH-network - SMEs join forces on quality management and damage-tolerance of adhesive bonding for glass constructions Silke Tasche, Technische Universität Dresden	2050M Street, Washington DC - Utilizing cylindrical glass Richard Green, Front Inc	Glass coatings that recycle sunlight instead of throwing it away Joe Kao, PHYSEE	Thermal radiation and forced convection in glass tempering furnaces Mikko Rantala, Glaston Finland Oy	
14:10 We can dream it, can we deliver it... curved unitized glazing William R. Halter, Elkus Manfredo Architects	A comparison of various deairing methods for windshields, sidelites and sunroofs Serhat Oran, OLBRIGHT AUTOMATION GMBH	Maximizing façade transparency with crystal clear silicone spacers Valérie Hayez, Dow Silicones Belgium	A UV-cured functional coating to prevent glass stress corrosion Mauro Corrado, Politecnico di Torino	Development of a Novel CCF Glass Tube Façade in Hong Kong Martien Teich, seele GmbH	Glass Coatings Useful for the Prevention of Bird Collisions Enos "Andy" Axtell, Ferro Corporation	New Trends in ERP software for the flat glass industry Horst Mertens, Fenetech EUROPE SARL	
14:35 Enhancing the Light - Curved Insulated Glass Unit Design Study Adam Nizich, Walter P. Moore and Associates, Inc.	Controlling lamination result of EVA laminating films for several lamination processes Steffen Bornemann, Folienwerk Wolfen GmbH	Large cavities between glass panes by pressure-equalised insulating IGU Ullrich Sieberath, ift Rosenheim	Optically Tunable Dynamic Windows based on Reversible Metal Electro-deposition Tyler Hernandez, Stanford University	Next Step in Structural Glass - Digital Design and Fabrication Peter Lenk, Dimitris Vitalis Arup	Functionality and performance tests for coatings on glass for solar application Elisabeth Klümm, Fraunhofer Institute for Solar Energy Systems	RESERVED	
15:00 COFFEE BREAK, ONE-ON-ONE MEETINGS							
15:45 Glass Quality and Specification of Curved Panels Naomi Schlösser, Eckersley O'Callaghan	Sound Insulating interlayers risks, challenges and solutions Tomas Lenkimas, GLASSBEL	Climatic Load Design Parameters for the United States James Griffith, Arup	Novel Method for Cold Bending Glass - Transparent Structural Silicone Adhesive Jon Kimberlain, Dow Performance Silicones	Complex geometry glass balustrade: Eleftheria Square, design and construction Frederico Figueiredo, Pentagonal Lda	Phosphorescent Paint in Glass Laminates Stefan Reich, Anhalt University of Applied Sciences	Influence of regrinding on the load-bearing capacity of glass components Katharina Lohr, Technische Universität Dresden	
16:10 Innovative glass bending technology for manufacturing expressive shaped glasses with sharp curves Tobias Rist, Fraunhofer Institute for Mechanics of Materials IWM	Many glass plies do really increase safety of laminated glass? Gabriele Pisano, Construction Technologies Institute - National Research Council of Italy (ITC - CNR)	Load Sharing of Insulating Glass Unit with Laminated Glass Stephen Morse, Michigan Tech University	Determination of prestress profiles in chemically toughened glass by means of photoelasticity Maximilian Laurs, RWTH Aachen	Nike Flagship Façade - From Design to Realization Georgia Ewen-Campden, Heintges Consulting Architects & Engineers, P.C	The true colour of glass in a facade, technology versus reality and how to overcome the misunderstanding Hermann Dehner, arcon Flachglas-Veredlung GmbH & Co. KG	Counting of fragments in tempered glass fragmentation test Antti Aronen, Glaston Finland Oy	
16:35 High performance coated bent tempered glass Dirk Schulte, Tianjin North Glass Industrial Technical Co., Ltd.	Modified ASTM Methodology for Insulating Glass Units with Two-Sided Support Mark Schmidt, Wiss, Janney, Elstner Associates, Inc.	A window for today Carlos Machado e Moura, Jofebar s.a. / panoramah!@	Statistical method to evaluate the process capability index of laminated glass regarding impact resistance Keywan Piroird, Saint-Gobain	RESERVED	Design coatings - a game with colours and patterns Stefan Goebel, Arnold Glas	RESERVED	
17:00 BREAK, ONE TO ONES, HAPPY HOUR							
19:30 CONFERENCE DINNER @ TAMPERE-TALO							
23:00							