Glass Performance Days 2025

#GPD2025
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GLASS PERFORMANCE DAYS 2025

POCKET GUIDE

JUNE 10-12, 2025

NOKIA ARENA / TAMPERE, FINLAND

JUNE 10
Workshops & interactive sessions

JUNE 11-12
Exhibition & Step Change

JUNE 11-12
Conference Sessions

GPD 2025

WORKSHOPS & INTERACTIVE SESSIONS

Glass Performance Days 2025

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WORKSHOPS & INTERACTIVE SESSIONS

Glass Performance Days 2025

GPD 2025 workshops and interactive sessions are 3–6-hour sessions that offer focused, expert-led learning experiences. The program is divided into morning and afternoon sessions. With the Tuesday pass, participants may attend one or both, depending on their preferences. Group sizes are limited to ensure an interactive and productive learning environment.

Workshops & Interactive Sessions June 10

09:00-12:00 **An introduction to the Vacuum Insulated Glass**
Cenk Kocer, University of Sydney

09:00-12:00 **Navigating Publicly Available Market Tools to Gather Relevant Glass Industry Data**
Nick St. Denis, Key Media & Research

09:00-12:00 **The Equivalent Wind Loading For Window Glass Design**
Ignatius Calderone, Calderone and Associates

09:00-12:00 **Optimizing the pre-processing of flat glass: the choice of the right coolant, cutting fluid, detergent, interleavant powder and anti-corrosion protection**

Washing, storing, transport and anti-corrosion protection of float glass

Peter Pokoern and Dr. Michael Emonds

09:00-12:00 **Structural Glass Module I: Introduction to All-Glass Design**
Martien Teich and Christoph Bauchinger,
Hochschule München University of Applied Sciences and Seele

09:00-12:00 & 13:00-16:00 **Taking Tempering Efficiency to Next Level**
Antti Lehtokannas, Glaston

09:00-12:00 & 13:00-16:00 **Glass laminating trends – Unlock new business potential**
Mauri Saksala, Alejandro de la Muela and Charles Hunter, Glaston | Kuraray | Corning

13:00-16:00 **Advanced instruction to the Vacuum Insulated Glass**
Cenk Kocer, University of Sydney

13:00-16:00 **Industrial Glass Cutting – The importance of edge strength and the impact of cutting wheel selection and corresponding cutting parameters**
Matthias Seel and Dennis Kampmann, Glass Competence Center at Technical University Darmstadt and Bohle AG

13:00-16:00 **Optimizing the pre-processing of flat glass: the choice of the right coolant, cutting fluid, detergent, interleavant powder and anti-corrosion protection**

Grinding, drilling and cutting of float glass

Peter Pokoern and Dr. Michael Emonds

13:00-16:00 **Structural Glass Module II: Interactive Design Exercises**
Martien Teich and Christoph Bauchinger, Hochschule München University of Applied Sciences and Seele

13:00-16:00 **Borosilicate Float Glass – get to know various applications and learn about important properties and the special glass structure in direct comparison to standard soda lime glass**
Juliane Brandt-Slowik, Guido Stiebritz and Jan-Lukas Bernewitz, SCHOTT

13:00-16:00 **Latest technologies for manufacturing future-proof insulating glass units**
Uwe Risle, Gennadi Schadrin, Sebastian Dillinger, Chris Davis and Christian Scherer, Glaston and H.B. Fuller | Kömmerling

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WEDNESDAY JUNE 11

OPENING SESSION

09:00	**GPD 2025 Opening session** Welcoming words and keynote presentations
10:20-16:20	**Conference sessions & Step Change**
18.45	**Doors open**
19.00	**Get Together**
22.30	**Doors close**

WEDNESDAY, JUNE 11 - 09:00

OPENING SESSION

Welcome to GPD 2025 – Where Innovation Begins

We’re delighted to welcome you to the Opening Session of GPD 2025 — a moment designed to spark ideas, set the pace, and open up new perspectives. This year’s theme invites us to explore how innovation takes shape: from early inspiration to impactful application across the glass industry and beyond. You’ll hear from voices that bring both depth and diversity — offering insights that challenge, clarify, and connect.

WEDNESDAY, JUNE 11 - 09:00

OPENING SESSION

Miika Äppelqvist
President and CEO, Glaston

Thomas Bertin-Mourot
Director, Innovation Growth,
Advanced Windows, Corning

Prof. Peng Shou
Chair of the Advisory Committee of ICG,
Academician of the Chinese Academy of
Engineering (CAE), Chief scientist of China
National Building Material Group Co., Ltd

Jenny B. Osuldsen
Partner, MLArch, MNLA, Professor in
Landscape Architecture, Dr.H.C., Snøhetta

Maryam Heibati
Project Architect, AFRY

Saverio Pasetto
Head of Façades, Skanska

Enrico Cutri
Global Building Projects
Specification Manager, Dow

Marko Mökkönen
Director of Sustainability, Glaston

JUNE 11 WEDNESDAY

V1.1.0 (9.6.2025)

9:00 — **STAGE 3 - OPENING SESSION** • (1H 20MIN) • GLASS - THE IN/VISIBLE IMPACT

10:20 — **COFFEE & NETWORKING BREAK** • (40MIN) • STEP CHANGE • ONE-TO-ONES

	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
	LAMINATED GLASS	**IGU**	**CIRCULARITY**	**RESEARCH & DEVELOPMENT**	**FAÇADES & PROJECTS**
	CHAIR **WIM STEVELS, EASTMAN**	**CHAIR** **GENNADI SCHADRIN, GLASTON**	**CHAIR** **SOPHIE PENNETIER, DIGNE**	**CHAIR** **JAN BELIS, GHENT UNIVERSITY**	**CHAIR** **JOAN TARRÚS, SEDAK**
11:00	**BULLET RESISTANCE OF GLAZING USING GLASS AND POLYMERS** Henrik Reißaus, Universität Siegen, Chair of Building Structure	**THIN GLASS PROCESSING** Mauri Saksala, **Glaston** Eric Shomo, **Corning** Incorporated Heinrich Ostendarp, **HEGLA** GmbH & Co KG	**IKEA VALLADOLID: REUSING AN INTERIOR ALL-GLASS FAÇADE** Carles-Hug Bitlloch Martínez, Bellapart	**STRUCTURAL PERFORMANCE OF LINEARLY LAMINATED METAL FITTINGS FOR FRAMELESS GLASS SHELL STRUCTURES** Isabell Ayvaz, Technische Universität Darmstadt	**GLAZING THE MET: A CASE STUDY IN DESIGN CONSIDERATIONS FOR MUSEUM GLAZING** Kateri Knapp, Arup
11:20	**INFLUENCE OF EDGE CLAMPING IN THE LAMINATION PROCESS ON THE FLATNESS OF THE LSG UNITS** Jakob Grötzner, Munich University of Applied Sciences	**THE THERMAL AND MECHANICAL PERFORMANCE OF PILLARS IN VACUUM INSULATED GLASS** Cenk Kocer, University of Sidney, Presented by Antti Aronen, Glaston	**END-OF-LIFE CONSIDERATIONS OF SILICONE BONDED GLAZING** Valérie Hayez, **Dow** Silicones Belgium	**FUNDAMENTAL INVESTIGATIONS ON FIBRE OPTIC STRAIN MEASUREMENT FOR GLASS LAMINATES** Christian Hammer, Universität Siegen	**PRESERVING THE PAST AND BUILDING IT INTO THE FUTURE WITH MODERN GLASS-CLAD LIBRARY ARCHITECTURAL DESIGNS** Javier Sanchez-Gil, Cristacurva
11:40	**LAMINATED SAFETY GLASS PRODUCED FROM RECLAIMED INSULATED GLASS UNITS** Hans Ignacio Scholz Campos, Glass Competence Center, ISM+D, TU Darmstadt	**LASER GLASS PROCESSING – NEXT GENERATION** Thomas Rainer, **HEGLA Boraident**	**HEAT TREATMENT OF PRE-DAMAGED SODA-LIME SILICATE GLASS AND ITS INFLUENCE ON GLASS STRENGTH** Miriam Schuster, Glass Competence Center, ISM+D, TU Darmstadt	**NON-DESTRUCTIVE, PHOTOELASTIC QUALITY CONTROL FOR LARGE-FORMAT, THERMALLY TOUGHENED GLASS** Lena Efferz, University of Applied Sciences Munich	**FROM CONCEPT TO REALITY: CRAFTING A TRANSPARENT WAVE OF GLASS** Christoph Bauchinger, se-austria GmbH & Co. KG
12:00	**LAMINATED SECURITY GLAZING AND BALLISTIC ASSAULT – STANDARDS AND PERFORMANCE** Julia C Schimmelpenningh, **Eastman** | Saflex	**BREAKTHROUGHS IN AEROGEL TECHNOLOGY: OPPORTUNITIES AND CHALLENGES** Aaron Baskerville-Bridges, AeroShield Materials, Inc.	**GLASS REUSE: OPEN DATA FOR CIRCULARITY** Jagoda Cupać, Delft University of Technology	**THIN GLASS COMPOSITE PANELS – ANALYTICAL AND EXPERIMENTAL ASSESSMENT OF OUT-OF-PLANE BENDING STIFFNESS** Daniel Pfarr, Institute of Building Construction, TU Dresden	**INSTALLATION SOLUTIONS FOR GLASS ARCHITECTURE IN EXTREME CLIMATE ZONES: FROM DUBAI'S HEAT TO SCANDINAVIA'S COLD** Guenter Uebelacker, Heavydrive GmbH

12:20 — **LUNCH & NETWORKING BREAK** • (1H 20MIN) • STEP CHANGE • ONE-TO-ONES

	LAMINATED GLASS	COATINGS	ADHESIVES	RESEARCH & DEVELOPMENT	INDUSTRY TRENDS
	CHAIR **STEFFEN BORNEMANN, EVGUARD**	**CHAIR** **JULIANE BRANDT-SLOWIK, SCHOTT**	**CHAIR** **DAMIAN FROKLAGE, DOW**	**CHAIR** **CHRISTIAN LOUTER, TU DELFT**	**CHAIR** **URMILLA JOKHU-SOWELL, NGA**
13:40	**DESIGNING LAMINATED GLASS FOR EXPOSURE TO HYDROSTATIC LOADS – A NEW ASTM METHOD** Vaughn Schauss, **Kuraray** America, Inc.	**INLINE EDDY CURRENT METROLOGY FOR GLASS RECYCLING STRATEGIES AND YIELD ENHANCEMENT OF CONDUCTIVE COATING PROCESSES** Marcus Klein, SURAGUS GmbH	**STRUCTURAL PREDICTABILITY IN GLASS STRUCTURES WHEN USING EPOXY ADHESIVE** Frank Tarazi, Bollinger+grohmann Consulting GmbH	**NUMERICAL INVESTIGATION OF BONDED GLASS-TO-CONCRETE APPLICATIONS SUBJECTED TO REAL-WORLD DESIGN SITUATIONS** Bert Van Lancker, Ghent University	**BARRIERS TO HIGH-PERFORMANCE FAÇADE IMPLEMENTATION: A BLUEPRINT FOR MARKET TRANSFORMATION** Sophie Pennetier, Digne
14:00	**LEVERS AND CHALLENGES FOR REDUCED CARBON FOOTPRINT PVB INTERLAYERS** Christoph Troska, **Kuraray** Europe GmbH	**HUMAN CENTRIC DESIGN - RE-EVALUATING SOLAR CONTROL LOW-E COATED & LAMINATED GLASS** Benjamin Beer, Werner Sobek Dubai	**THE MINIMAL WALL: MATERIAL CHARACTERIZATION TO EXPLOIT THE GLASS-ALUMINUM COMPOSITE BEHAVIOUR IN THE DESIGN OF FACADES** Pedro Galvez Villarino, Sika Services AG Andrea Pilla, Schüco International	**STRUCTURAL OPTIMISATION OF GLASS PLATES** Matthias Seel, Glass Competence Center, ISM+D, TU Darmstadt	**NEW ENERGY PERFORMANCE OF BUILDINGS DIRECTIVE: TRENDS, IMPLEMENTATION CHALLENGES AND OPPORTUNITIES FOR THE GLAZING SECTOR** Adrien Carton, Glass for Europe
14:20	**ADVANTAGES OF CROSSLINKABLE INTERLAYER FILMS FOR APPLICATION IN LAMINATED SAFETY GLASSES** Steffen Bornemann, **Folienwerk Wolfen** GmbH	**LASERS ARE SET TO PLAY A PIVOTAL ROLE IN THE COMING DECADE** Nele Deckers, ORION Laser Tech	**CASE STUDY OF FE MODELING APPROACHES FOR SSG IN BLAST** Valérie Hayez, **Dow** Performance Silicones	**UPDATE OF GERMAN DESIGN CODE DIN 18008 ENABLES NEW POSSIBILITIES FOR BALUSTRADES** Geralt Siebert, University of the Bundeswehr Munich	**DIGITAL TWIN – VISUALIZE, CHANGE & SIMULATE YOUR OWN GLASS LABORATORY** Sebastian Dick, **A+W Software** GmbH
14:40	**COFFEE & NETWORKING BREAK** • (40MIN) • STEP CHANGE • ONE-TO-ONES				
	TEMPERING	**IGU**	**CIRCULARITY**	**RESEARCH & DEVELOPMENT**	**FAÇADES & PROJECTS**
	CHAIR **FRANCIS SERRUYS, SAINT-GOBAIN**	**CHAIR** **SEBASTIAN DILLINGER, H.B. FULLER | KÖMMERLING**	**CHAIR** **CELINE GUERMEUR, CORNING**	**CHAIR** **MIRIAM SCHUSTER, TU DARMSTADT**	**CHAIR** **SAMI DAHER, DOW**
15:20	**INVISIBLE DANGER: SAFEGUARDING GLASS FROM THE RISKS OF NICKEL SULFIDE** Juan Pablo Martinez, **ES/Tecnoglass**	**ULTRA-THIN MIDDLE PANE IN INSULATED GLASS UNITS: REVOLUTIONIZING PERFORMANCE AND RENOVATION** Gennadi Schadrin, **Glaston**	**INFLUENCE OF THERMAL AND WATER TREATMENT ON STRENGTH RECOVERY FOR SCRATCHED SODA LIME SILICA GLASS** Kyriaki Corinna Datsiou, University of Hertfordshire	**MECHANICAL MODELLING AND EXPERIMENTAL CHARACTERIZATION OF LAMINATED GLASS WITH MULTI-MATERIAL POLYMERIC INTERLAYERS** Lorenzo Santi, University of Parma **Kuraray**	**BREAKING BOUNDARIES WITH COLD LAMINATION BENT S-CURVE GLASS** Lauren Knott, John Pope, Old Town Glass
15:40	**NEW TECHNOLOGY FOR A PRECISE AND REPEATABLE MEASUREMENT OF DISTORTION AFTER THE FURNACE** Kai Vogel, Viprotron GmbH	**A FEM CODE FOR THE NON-LINEAR ANALYSIS OF FLAT OR CURVED INSULATED GLASS UNITS** Filippo Gerin, Maffeis Engineering SpA	**RECYCLING, REUSE AND REPAIR: SEPARATING IG UNITS FOR GREATER SUSTAINABILITY AND ECONOMIC EFFICIENCY** Heinrich Ostendarp, **HEGLA** GmbH & Co KG	**MEASURING SEE-THROUGH DISTORTION** Louis Moreau, MOGLEX Corp. Adrian Betanzos, VIA	**FLEXIBLE GLASS TUBE SCULPTURES - DYNAMIC SEISMIC ANALYSIS MEETS CRAFT AND DIGITAL MANUFACTURE** Graham Dodd, Ove Arup & Partners Limited
16:00	**GAME CHANGER IN ARCHITECTURE - MULTICURVED TEMPERED GLASS** Joan Tarrús, **sedak** GmbH	**SUSTAINABLE GLASS FACADES: UNDERSTANDING THE LONG-TERM THERMAL PERFORMANCE OF INSULATING GLASS UNITS** Chris Davis, **H.B. Fuller | Kömmerling** Kevin Yin, Eckersley O'Callaghan	**VLAKGLAS RECYCLING NEDERLAND. TOGETHER WE MAKE GLASS INFINITE.** Cor Wittekoek, Vlakglas Recycling Nederland	**HYBRID GLASS-TO-CONCRETE PEDESTRIAN BRIDGE: A CASE STUDY** Cas Maertens, Ghent University	**PRACTICAL CONSIDERATIONS FOR SILICONE SEALANTS IN COLD BENT GLASS** Sami Daher, **Dow** Chemicals IMEA GmbH

19:00 - 22:30 | GET TOGETHER @NOKIA ARENA (DOORS OPEN 18:45)

JUNE 12 THURSDAY

V1.1.0 (9.6.2025)

	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
	AUTOMOTIVE	IGU	CIRCULARITY	RESEARCH & DEVELOPMENT	INDUSTRY TRENDS
	CHAIR PEKKA NIEMINEN, GLASTON	CHAIR TONI SCHÖN, HEGLA	CHAIR TBA	CHAIR BERT VAN LANCKER, GHENT UNIVERSITY	CHAIR MARKO MÖKKÖNEN, GLASTON
9:00	**AUGMENTED REALITY IN AUTOMOTIVE GLASS – A TECHNOLOGICAL AND INDUSTRY PERSPECTIVE** Daniel Snow, Glass.com Inc.	**LIGHTWEIGHT INSULATING GLASS UNIT FROM DESIGN TO PRODUCTION** Pascal Joos, Philippe Willareth, LÜCHINGER MEYER PARTNER AG	**HOW INTERLAYERS CAN CONTRIBUTE TO REDUCE THE EMBODIED CARBON OF GLAZED FAÇADES** Wim Stevels, Eastman Chemical	**LOAD-BEARING CAPACITY OF STRUCTURAL-GLAZING ADHESIVES ON COATED STEEL STRUCTURES** Tim Seidel, Institute of Building Construction, TU Dresden	**NEW EU CONSTRUCTION PRODUCTS REGULATION: KEY IMPACTS AND CHALLENGES FOR THE GLAZING SECTOR** Justin Loup, Glass for Europe
9:20	**DISTRIBUTION OF INTERNAL STRESSES ACROSS AUTOMOTIVE WINDSHIELDS – A FIRST STEP TO CHARACTERIZE THE POST-FRACTURE BEHAVIOUR** Nils Meinhard, Glass Competence Center, ISM+D, TU Darmstadt	**REDUCING CARBON COSTS THROUGH ENHANCED INSULATING GLASS DURABILITY AND SUSTAINABILITY WITH THE INNOVATIVE REACTIVE THERMOPLASTIC SPACER** Sebastian Dillinger, H.B. Fuller | Kömmerling	**CIRCULAR IGUS - STRATEGIES FOR THE TECHNICAL EVALUATION OF RECLAIMED WINDOW GLAZINGS** Sebastian Wernli, Munich University of Applied Sciences - Hochschule München	**HIGH PERFORMANCE WINDOWS FOR APPLICATIONS IN SPACE. OPEN PROBLEMS AND CHALLENGES** Gianni Royer Carfagni, University of Parma	**REVIEW - BOROSILICATE FLOAT GLASS SUPPORTS VARIOUS INDUSTRY TRENDS WITH ITS VERSATILITY** Guido Stiebritz, SCHOTT Technical Glass Solutions GmbH
9:40	**BUCKLING SUPPORT STRUCTURE FOR AUTOMOTIVE INTERIOR DISPLAY** Alyona Chubyuk, Sergey Shubin, Corning SAS	**BORO-ALUMINOSILICATE GLASS FOR ARCHITECTURAL APPLICATIONS** Greg Couillard, Corning Incorporated	**REUSE POTENTIAL OF AGED DOUBLE GLAZING** Sebastián Andrés López, Universität Siegen | Chair of Building Structure	**NOVEL TEMPERED FLAT GLASS AND ITS POTENTIAL** Matthias Seel, Glass Competence Center, ISM+D, TU Darmstadt	**NORTH AMERICAN MARKET DRIVERS AND TRENDS** Urmilla Jokhu-Sowell, NGA
10:00	**SOLUTIONS FOR BENDING OF BOROSILICATE GLASS FOR WINDSHIELD APPLICATION** Antti Aronen, Glaston	**VACUUM INSULATED GLAZING: INNOVATIONS, APPLICATIONS, AND OVERCOMING DESIGN AND LEGAL CHALLENGES** Clément Lemoine, Finéo by AGC Glass Europe	**ENVIRONMENTAL BENEFITS OF SCALING UP GLASS REUSE AND REMANUFACTURING** Angelica Rota, AGC Glass Europe, Polytechnic University of Bari	**ATMOSPHERIC PLASMA PROCESSING OF FLOAT GLASS AND GLASS FABRICS FOR PERFORMANCE IMPROVEMENT OF COMPOSITE MATERIALS** Richard Krumpolec, CEPLANT, Masaryk University	**SECURING INTEROPERABILITY IN FLAT GLASS PROCESSING** Gesine Bergmann, VDMA e.V.
10:20	**COFFEE & NETWORKING BREAK** • (40MIN) • STEP CHANGE • ONE-TO-ONES				
	LAMINATED GLASS	COATINGS	CIRCULARITY	ADHESIVES	SOLAR & SMART
	CHAIR INGO STELZER, KURARAY	CHAIR STEPHEN MASON, A+W SOFTWARE	CHAIR BARBARA MEUNIER , EASTMAN	CHAIR VALÉRIE HAYEZ, DOW	CHAIR THOMAS RAINER, HEGLA BORAIDENT
11:00	**SIMULATION OF WINDSHIELD PERFORMANCE ACROSS DIVERSE LAMINATE THICKNESSES, GLASS COMPOSITIONS, AND DESIGNS** Olga Panina, Corning SAS	**THE RISK OF OPTICAL DISTORTION BY DIGITAL PRINTING ON GLASS** Dirk Schulte, Roschmann Group	**SCALING RE-GLASS** Sophie Pennetier, Digne	**BETTER USE OF MATERIALS THROUGH THE ASSESSMENT OF SILICONE BONDING TO INTERLAYERS** Graham Coult, Eckersley O'Callaghan	**SMART PHOTOCHROMIC GLASS FILMS: THE EVOLUTION IN GLASS PERFORMANCE** Stijn Kragt, ClimAd Technology B.V.
11:20	**WHAT MATTERS IN BULLET RESISTANT LAMINATED SAFETY GLASS?** Stefan Hiss, Kuraray Europe GmbH	**A DATA-DRIVEN APPROACH TO THE SELECTION OF COATED GLASS FOR FAÇADE APPLICATIONS ON THE BASIS OF COLORIMETRY ANALYSIS** Lisa Rammig, Alex Falcon, Eckersley O'Callaghan	**DRIVING FLAT GLASS CIRCULARITY: A CONTRIBUTION TO SUSTAINABILITY IN THE CONSTRUCTION SECTOR** Michael Elstner, AGC Glass Europe	**RESIDUAL PERFORMANCE OF STRUCTURAL GLAZING JOINTS AFTER SEISMIC LOW-CYCLE FATIGUE LOADING** Christian Schuler, Hochschule München University of Applied Sciences	**SOLTINT: HIGH PERFORMANCE BIPV DESIGN CUSTOMIZATION** Max van Dijken, SOL-R&D
11:40	**A FEM CODE FOR THE GEOMETRIC NONLINEAR ANALYSIS OF LAMINATED GLASS PLATES AND CURVED SHELLS** Filippo Gerin, Maffeis Engineering SpA	**PROCESS AUTOMATION FOR EFFICIENT AND SUSTAINABLE LARGE-AREA PVD COATINGS ON GLASS** Knut Barthel, VON ARDENNE GmbH	**CIRCULAR SMART WINDOWS - UPGRADING OLD GLASS WITH SMART SOLAR HEAT MANAGEMENT** Daniel Mann, TNO	**LOAD-BEARING CAPACITY OF TWO TRANSPARENT ADHESIVES FOR GLASS JOINT UNDER ELEVATED TEMPERATURES** Jakub Mareš, CTU in Prag, Faculty of Civil Engineering	**ENERGY EFFICIENCY OF WINDOWS INTEGRATING ELECTROPHORETIC LIGHT MODULATORS** Romaric Massard, eLstar Dynamics
12:00	**NEW DESIGN POSSIBILITIES IN LAMINATED GLASS WITH "IMPROVED" STIFF PVB INTERLAYERS** Malvinder Singh Rooprai, Kuraray India Pvt. Ltd	**ATMOSPHERIC PLASMA PRE-TREATMENT OF ULTRA-THIN FLEXIBLE GLASS FOR TRANSPARENT ORGANIC COATINGS** Slavomír Sihelník, Masaryk University	**EXPERIMENTAL STUDY ON USING THERMAL TREATMENT FOR STRESS RELIEF IN THERMALLY TEMPERED GLASS** Vlad-Alexandru Silvestru, ETH Zurich, Institute of Structural Engineering	**UNDERSTANDING STRESS DISTRIBUTIONS IN WET GLAZED GLASS RAILING SYSTEMS** Valérie Hayez, Dow Silicones Belgium	

12:20	**LUNCH & NETWORKING BREAK** • (1H 20MIN) • STEP CHANGE • ONE-TO-ONES				
	TEMPERING	**IGU**	**CIRCULARITY**	**RESEARCH & DEVELOPMENT**	**FAÇADES & PROJECTS**
	CHAIR **RIKU FÄRM, GLASTON**	**CHAIR** **THOMAS BERTIN-MOUROT, CORNING**	**CHAIR** **VAUGHN SCHAUSS, KURARAY**	**CHAIR** **JAGODA CUPAĆ, TU DELFT**	**CHAIR** **DIANA LOHER, ES / TECNOGLASS**
13:40	**CHEMICAL STRENGTHENING OF SILICATE GLASSES BY ION EXCHANGE: THE ROLE OF ALKALI NITRATE SALTS** Guglielmo Macrelli, Isoclima SpA	**LONGEVITY OF THERMOPLASTIC SPACERS COMPARED TO OTHER SPACERS** Uwe Risle, **Glaston**	**CIRCULARITY IN CONSTRUCTION: SCALING UP GLASS REUSE WITH SILICONE** Philippe Willareth, LÜCHINGER MEYER PARTNER AG Enrico Cutri, **Dow** Europe GmbH	**SCALING EFFECTS ON POST-FAILURE RESPONSES OF LAMINATED GLASS PLATES SUBJECTED TO OUT-OF-PLANE UNIFORM PRESSURE** Sicheng Zhou, Politecnico di Milano	**THE COLOURFUL REVOLUTION IN BIPV FAÇADE ARCHITECTURE** Holger Geisler, Ceramic Colors Wolbring GmbH
14:00	**GRADING VISIBILITY OF DISTORTION AND ANISOTROPY IN HEAT-TREATED COATED GLASS** Eric Hegstrom, LiteSentry / Softsolution	**HIGHER PERFORMANCE AND LIGHTER IGUS WITH BORO-ALUMINOSILICATE THIN GLASS** Celine Guermeur, **Corning** Incorporated	**SUSTAINABLE MELTING AND PROCESSING OF SODA-LIME-SILICA GLASSES** Christian Roos, RWTH Aachen University	**LOAD-BEARING CAPACITY OF HISTORICAL PRODUCED MOUTH-BLOWN GLASS** Michael Engelmann, Institute of Building Construction, TU Dresden	**THE NEW 140M LONG GLASS CANOPY AT THE HEART OF PARIS** Francesc Sánchez Fontserè, Bellapart
14:20	**AUTOMATIC LOADING OF FLAT TEMPERING FURNACE: POSSIBILITIES WITH TODAY'S SOFTWARE SOLUTIONS AND AI-BASED ALGORITHM** Mauri Saksala, **Glaston**	**DESIGN OF A TEST SETUP FOR EXPERIMENTAL INVESTIGATION OF TEMPERATURE LOADS ON VACUUM INSULATED GLASS** Franz Paschke, Glass Competence Center, ISM+D, TU Darmstadt	**THE CHALLENGES OF IMPLEMENTING THERMALLY EFFICIENT GLASS IN DEVELOPING COUNTRIES** Luiz Barbosa, Vivix Vidros Planos	**DUCTILE GLASS AT ROOM TEMPERATURE** Erkka Frankberg, Tampere University	**ARCHITECTURAL GLASS THERMAL SHOCK ASSESSMENT BY MEANS OF DYNAMIC THERMAL SIMULATIONS** Fabio Favoino, Politecnico di Torino
14:40	**COFFEE & NETWORKING BREAK** • (40MIN) • STEP CHANGE • ONE-TO-ONES				
	TEMPERING	**IGU**	**CIRCULARITY**	**RESEARCH & DEVELOPMENT**	**FAÇADES & PROJECTS**
	CHAIR **ERIC SHOMO, CORNING**	**CHAIR** **TBA**	**CHAIR** **ENRICO CUTRI, DOW**	**CHAIR** **MATTHIAS SEEL, TU DARMSTADT**	**CHAIR** **SAVERIO PASETTO, SKANSKA/CWCT**
15:20	**GLASS TEMPERING: ENERGY SAVING POSSIBILITIES IN GLASS QUENCHING** Mikko Rantala, **Glaston**	**THE LIFE CYCLE EMBODIED ENERGY OF A VACUUM INSULATED GLASS** Asiyath Ibrahim, University of Sydney	**CIRCULARITY DEBATE**	**EVALUATION OF REAL-TIME LOAD PATH MONITORING FOR MULLION-TRANSOM FAÇADES** Nathalie Nießer, University of the Bundeswehr Munich	**"THE HENDERSON" IN HONG KONG – TECHNICAL CHALLENGES IN GLASS DESIGN ACHIEVING AN ARCHITECTURAL MASTERPIECE IN A TYPHOON AREA** Kathrin Rauh, seele GmbH
15:40	**EXPERIMENTAL AND STATISTICAL FRACTURE PATTERN ANALYSIS OF GLASSES WITH VARYING PRE-STRESS LEVELS** Leon Bohmann, Technische Universität Darmstadt	**UNIFORM PRESSURE LOAD RESISTANCE OF THIN BORO-ALUMINOSILICATE GLASS FOR USE IN TRIPLE-GLAZED INSULATING GLASS UNITS** Michael Brackin, Beason Brackin & Associate, LLC		**DEVELOPMENT OF POST-TENSIONED LAMINATED GLASS BEAM** David Antolinc, University of Ljubljana, Faculty of Civil and Geodetic Engineering	**CONCLUSIONS FROM DEFECTS ON GLASS FAÇADES** Barbara Siebert, Dr. Siebert and Partner Consulting Engineers PartGmbB
16:00	**ACCELERATING THE FUTURE OF SUSTAINABLE GLASS THIN, STRONG AND READY FOR MASS MARKET WITH CHEMICAL SPEED STRENGTHENING** Michael Heidan, ReViSalt GmbH	**VACUUM INSULATED GLASS (VIG) IN RETROFITTING EXISTING BUILDINGS AND TRENDS IN GLOBAL MASS PRODUCTION** Adrian Song, LEADUS		**NUMERICAL STUDY OF LAMINATED GLASS WITH PVB, EVA AND IONOPLAST EXPOSED TO OUT-OF-PLANE BENDING UNDER THE INFLUENCE OF DIFFERENT PARAMETERS** Milica Baric-Slipcevic, Universität der Bundeswehr München	**A FLUX-BASED FEM FOR THE THERMAL ANALYSIS OF LAMINATED GLASS FAÇADES WITH CAST SHADOWS** Ali Haydar, Università di Parma

19:30 | FAREWELL PARTY (SECRET LOCATION, BUSES LEAVING 18:30)

Glass Performance Days 2025

WEDNESDAY, JUNE 11

STEP CHANGE

Lunch break: 12:20 – 13:40

13:00 – 13:30 **Expand Your View**
Don Mayder – Miru

Rethinking Ventilation Through Glass: From Concept to Market
Naree Kim – UBLO

Coffee break: 14:40 – 15:20

14:50-15:15 **From Parametric Vision to 3D-Printed Reality: Digital Innovation in Building Envelopes By Lithium Designers**
Alamir Mohsen – Lithium Designers (Li3)

Energy Efficiency of Windows Integrating Electrophoretic Light Modulators
Romaric Massard – eLstar Dynamics

Glass Performance Days 2025

THURSDAY, JUNE 12

STEP CHANGE

Coffee break: 10:20 – 11:00

10:30 – 10:55 **Accelerating the Future of Sustainable Glass: Thin, Strong and Ready for Mass Market with Chemical Speed Strengthening**
Michael Heidan – ReViSalt

Transparent Aerogels for Energy-Efficient Windows
Aaron Baskerville-Bridges – AeroShield Materials

Lunch break: 12:20 – 13:40

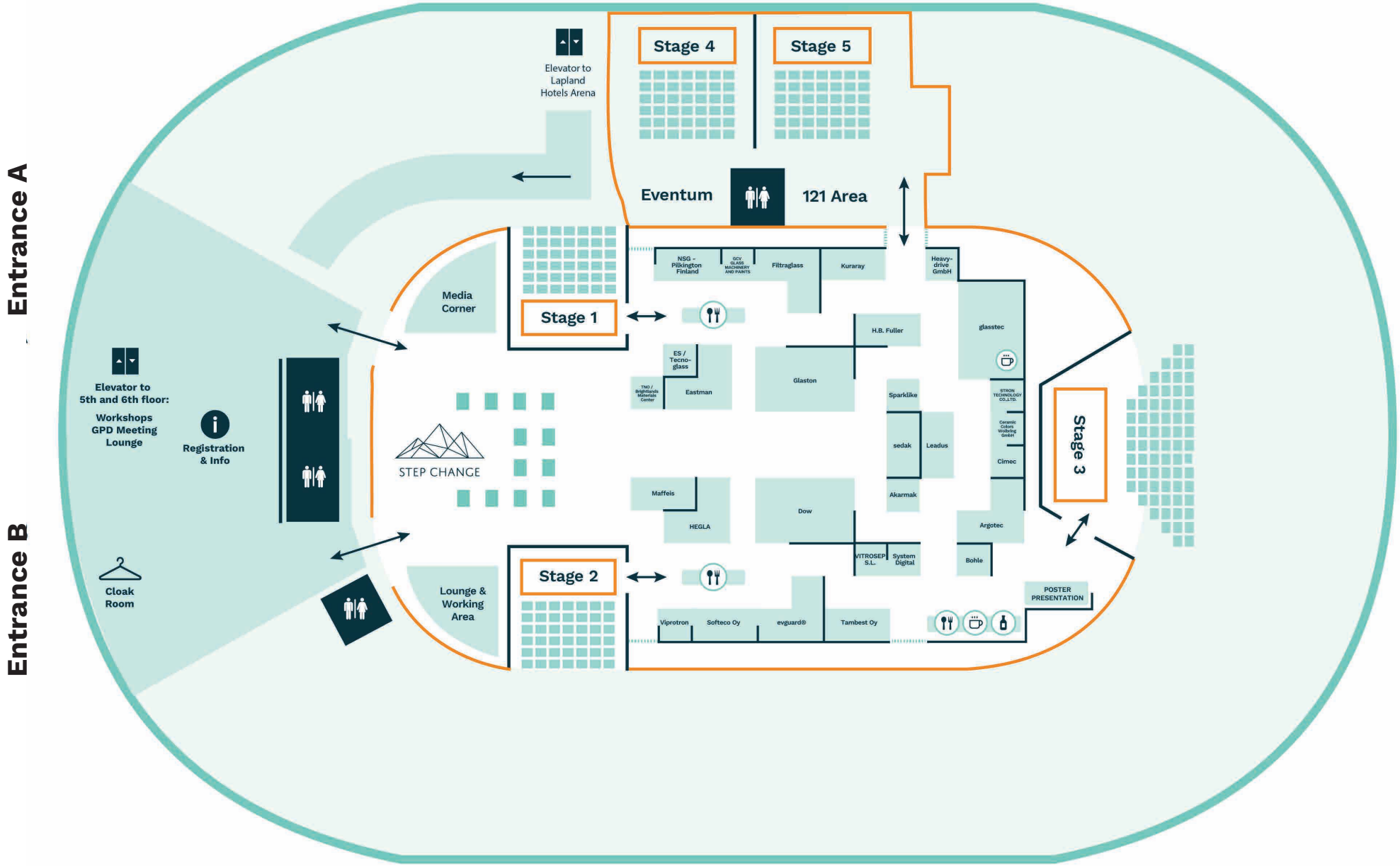
13:00 – 13:30 **OSSE – For Sustainable Electronics**
Rahul Yewale – OSSE / Turku University

FLOOR PLAN
GPD – COMPANIES 2025

Glass Performance Days 2025

FLOOR PLAN
GPD – COMPANIES 2025

Glass Performance Days 2025



FLOOR PLAN
GPD – COMPANIES 2025

- Pilkington
- GCV Glass machinery and paints
- Filtraglass
- Kuraray
- Heavydrive
- ES/Tecnoglass
- Eastman
- TNO / Brightlands Materials Center
- Glaston
- H.B.Fuller
- Sparklike
- sedak
- Leadus
- Akarmak
- Stron Technology
- Bohle
- Ceramic Colors Wolbring
- Cimec
- Argotec
- Maffeis
- HEGLA
- Dow
- VITROSEP
- System Digital
- Viprotron
- Softeco
- evguard®
- Tambest

STEP CHANGE COMPANIES

- AeroShield
- eLstar
- Li3 Designers
- Miru
- OSSE
- ReViSalt
- UBLO

SESSIONS

STAGE 1

- Laminated Glass
- Tempering of Glass
- Automotive Glazing and Display Units

STAGE 2

- Insulating Glass Units
- Coating Technology and Applications

STAGE 3

- Circular and Sustainable Glass Solutions
- Adhesive Technology

STAGE 4

- Research and Development
- Adhesive Technology

STAGE 5

- Façade Engineering
- Projects and Case-Studies
- Industry Trends
- Solar and Smart Glazing

COMPANY DESCRIPTIONS
EXHIBITORS 2025

A1 - NSG- Pilkington Finland

“The NSG Group is one of the world’s leading manufacturers of glass and glazing systems. Founded in 1918, NSG Group acquired the leading UK-based glass manufacturer Pilkington plc in June 2006. Today, the Company has manufacturing operations in 28 countries and sales in 105 countries, employing some 27,000 people worldwide.”

A3 - GRUPO CRESPO VIDRIO S.L.

“GCV Glass Machinery & Paints is the world’s only full-solution provider for painted glass, offering automatic machinery, specialty paints, decorative effects, and unmatched after-sales support. With cutting-edge technology and a 360° approach, they are redefining the industry. Discover their innovation at GPD Finland – the global meeting point for glass professionals!”

A4 - Filtraglass

“Filtraglass designs and manufactures high-efficiency water filtration systems for the glass industry. Our fully customized solutions enable companies to recycle 100% of their process water, helping them reduce environmental impact while improving production quality.”

A6 - Kuraray

“Delivering your window into the world of advanced interlayers for laminated safety glass, Kuraray’s Advanced Interlayer Solutions Division is underpinned by decades of innovation, application knowledge, domain experience and market success.”

B1 - Heavydrive GmbH

“Heavydrive GmbH specializes in vacuum lifting technology and custom transport systems for glass and façade elements. The company delivers innovative solutions for complex installations worldwide – from sloped to overhead glazing. Comprehensive planning, logistics, and on-site support ensure maximum efficiency and safety on construction sites.”

C1 - ES / Tecnoglass

“ES and Tecnoglass are global leaders in high-performance glass, metal, and façade solutions, delivering innovative, customizable products with exceptional quality, safety, and modern design for projects of any scale.”

C2 - Eastman

“Eastman is a global specialty materials company that produces a broad range of products found in items people use every day. With the purpose of enhancing the quality of life in a material way, Eastman is committed to safety, innovation and sustainability. Headquartered in Kingsport, Tennessee, USA, the company had 2024 revenues of approximately $9.4 billion. For more information, visit www.eastman.com.”

C3 - TNO / Brightlands Materials Center

“We use our expertise in optics, coatings, pigments & colloids, polymers and nano-composites to develop new solutions for optimized use of sunlight and solar heat in the built environment. Our competences include material design, development, application, characterization and validation, experimental as well as theoretical and simulation assisted, on lab and pilot scale.”

COMPANY DESCRIPTIONS
EXHIBITORS 2025

D1 - Glaston Corporation

“Glaston is the glass processing industry’s innovative technology leader supplying equipment, services and solutions to the architectural, mobility and solar industries. Glaston supports the development of new technologies integrating intelligence to glass and is committed to providing clients with both the best know-how and the latest technologies in glass processing.”

D2 - H.B.Fuller

“H.B Fuller are the global leaders in plug and play sealant and adhesive solutions for the advanced building product sector. We are particularly proud of our a commitment to the construction environment of the future and the development of high performance materials for sustainable glass assemblies across all markets.”

E1 - Sparklike

“Sparklike is the world leader in non-invasive insulating gas measuring of insulating glass. Gas content is a significant factor in improving the energy efficiency of insulating glass and is thus an essential part of global energy saving efforts.”

E2 - sedak

“From Gersthofen to the world, sedak pioneers glass refinement with unmatched expertise in flat and curved laminated and insulated glass. Delivering formats up to 3.6m x 20m, sedak empowers iconic architecture, yachts, and trains with innovative solutions, state-of-the-art technology, and a relentless commitment to quality, precision, and customer collaboration.”

E3 - Leadus

“Leadus, an innovator in vacuum insulated glass (VIG) technology, is supported by leading investors from Hong Kong and Silicon Valley. Since achieving large-scale production in Mainland China by 2021, it has focused on VIG manufacturing and providing advanced solutions through technology licensing.”

E6 - Akarmak

“Akarmak provides turnkey glass lamination autoclaves with optional vacuum systems, glass loading trolleys and cooling towers. We manufacture autoclaves up to jumbo size (3.3 meters) and have recently delivered “super jumbo” models for 3.3 x 9 meter and 3.3 x 18 meter glass sizes to our customers.”

F1 - glasstec – The Leading Trade Fair for the Glass Industry

“glasstec is the world’s premier trade fair for the glass industry, held every two years in Düsseldorf, Germany. It showcases the latest innovations in glass production, processing, and applications, attracting professionals from architecture, construction, and industry. With over 1,250 exhibitors from 49 countries and more than 32,000 trade visitors from 126 countries, glasstec is the international industry gathering for manufacturers, processors, architects, craftsmen, and researchers. The event features live demonstrations, expert talks, and cutting-edge technologies, making it a key platform for networking, knowledge exchange, and discovering future trends in glass.”

F4 - STRON TECHNOLOGY CO., LTD.

“STRON is a glass cutting machine brand with leading technology from China. The Machine of Quality, We have been engaged in developing the quality machine and technology support to all valued customer in glass industry.”

COMPANY DESCRIPTIONS
EXHIBITORS 2025

F5 - Ceramic Colors Wolbring GmbH

“Builders, planners, and architects in the glass industry recognize that combining ceramic colors with glass enables versatile design solutions and advanced functional properties—particularly in Building-Integrated Photovoltaics (BIPV). Ceramic Colors Wolbring offers extensive experience and technical expertise in the development and manufacturing of ceramic pastes for glass applications.”

F6 – Cimec

“Cimec is a glass handling device manufacturer with the largest selection of glass lifters on the market.”

F7 - Argotec

“Argotec, a Mativ brand, is the global leader in engineered polymer film solutions for glass and glazing applications. From protective TPU interlayers to high-performance polymer extrusions for emerging smart glass technologies, Argotec sets the standards for performance to create more durable, transparent, sustainable, and impactful solutions. Learn more at argotec.com.”

F10 - Bohle

“We are Europe’s leading manufacturer and supplier of products for glass processing. We not only support glass processors, but also trade and industry. Our portfolio includes a full range of first-class products. These include fittings for glass, handling devices and tools as well as processing materials and industrial products.”

G1 - Maffeis

“Maffeis Engineering is a leading multidisciplinary firm based in Solagna, Italy, with 13 global offices and over 312 professional engineers and architects. It provides structural, façade and geotechnical engineering services for buildings, stadiums, bridges and more, from concept to construction design.”

G3 - HEGLA

“With more than 48 years of industry experience the HEGLA Group offers cutting-edge systems for cutting, processing and sorting flat, automotive and functional glass. Our partners HEGLA boraident and HEGLA-HANIC complement our Group expertise in functionalisation, labelling and added value of glass, as well as the digitalisation of processes.”

H1 - Dow

“Dow Building Science. Inspire the futurescape. Dow has the next-generation materials needed to help customers create this new “futurescape.” By melding our advanced science with the design ingenuity of our customers, we are bringing a whole new way of thinking to the built environment.”

H2 - VITROSEP S.L.

“VITROSEP, founded in 1992 in Figueres, Spain, specializes in water treatment solutions for the glass and optical industries. The company develops innovative filtration technologies to separate glass particles from the grinding waters, offering automated, closed-loop and modular (custom-tailored) systems that minimize maintenance and environmental impact.”

H3 - System Digital

“System Digital, is the business unit dedicated to digital printing applications on glass and other non-ceramic materials. Creaglass is a high-performance single-pass Drop-On-Demand digital inkjet printing device that offers important applicative solutions with glass for the automotive, white goods, architecture, and construction sectors. The new System Digital-brand technology is a significant step forward for the glass supply chain, finding a very strong ally in this high-potential digital technology that enables a completely new print quality as well as numerous other advantages.”

COMPANY DESCRIPTIONS
EXHIBITORS 2025

I1 - Viprotron

“Viproton is the No. 1 in glass inspection, offering precise solutions for detecting scratches, bubbles, and measuring distortion and anisotropy. Viproton scanners enable high-quality in-line control, optimize processes, and reduce defects—providing reliable performance for glass fabricators worldwide.”

I2 - Softeco Oy

“Softeco and Ayrox are the leading suppliers of Quality Control Equipment for glass industry for architectural, automotive and pharma sectors. Softeco has a proven track record in PVB treatment, including PVB shaping and stretching as well as PVB conditioning to achieve a wrinkle- and shrinkage-free film.”

I4 - Evguard / Folienwerk Wolfen GmbH

“Folienwerk Wolfen GmbH, Germany - unique, customer-specific, sustainable. We leverage our plastics expertise to enhance life with safe, energy-efficient glass solutions. Specializing in bespoke films like evguard®, we ensure rigorous testing to meet international standards, focusing on innovation and quality to improve your quality of life.”

I6 - Tambest Oy

“Tambest Oy is a leading Finnish glass processing company, renowned for its advanced capabilities and specialty glass solutions. It delivers high-performance products for demanding applications. The company is known for its expertise in curved, ballistic, and special laminated glass. Tambest’s focus on innovation ensures reliable solutions across defense, architecture, and transportation.”

GPD FINLAND 2025

NETWORKING ACTIVITIES

Registration required

Networking is at the heart of the GPD experience.

In 2025, our afterwork and social activities are crafted to energize, inspire, and deepen connections among participants. From engaging sports to the traditional Finnish sauna and our welcoming GPD Meet Up Lounge, each element offers a unique way to connect. We also bring the community together with our Get Together on Wednesday and Farewell Party on Thursday, rounding off three insightful days. One-to-one meetings during the conference offer dedicated time for deeper dialogue and partnership building.

The following are the key networking moments for GPD 2025.

Pre-Event Networking on Tuesday, June 10

Tuesday Evening Activities
On Tuesday at 18, GPD participants are invited to join our afterwork sports activities. After a quick snack and team meet-up, participants will head out for their selected activity, choosing from football, finnish baseball, forest yoga, sport fishing, trail walk, jogging, run, lakeside walk, or guided city walk. Those who prefer not to join a sport can enjoy the atmosphere as spectators or make use of the Kauppi outdoor gym. All activities are designed in an easy format to allow anyone to participate. Whether it's rain or shine, make sure to dress for the weather!

Evening Chill
From 20:30 onwards, two relaxed evening options await. Everyone is welcome to drop in to the GPD Meet Up Lounge at Ruby & Fellas at Nokia Arena for a casual gathering filled with conversation, networking, and light refreshments. At the same time, those signed up for the Afterwork Sauna will head to Kangasala for a traditional Finnish sauna experience. Enjoy the evening with food, drinks, and great company.

GPD FINLAND 2025

NETWORKING ACTIVITIES

Get Together on Wednesday, June 11

The Get Together is a relaxed and welcoming gathering designed to connect and network with others. Dinner will be served during the event.

1-to-1 Area on Wednesday and Thursday, June 11 & 12

Located at a designated area within Nokia Arena, the 1-to-1 Meeting tables are open throughout the event for discussions. Participants are welcome to use the space freely to connect, collaborate, and explore opportunities in a focused yet casual setting.

Farewell Party on Thursday, June 12

The event will be finalized with the legendary GPD Farewell Party, cherishing traditions, creating unforgettable memories, and forming valuable connections. Transportation to and from the venue is organized.

As expected, the party is always something unique in a very informal setup and is included in the conference registration fee. The recommended dress code is very casual (e.g., jeans & t-shirt). Event is held partly outside so bring a cardigan or a light jacket since the night it might get chilly.

#GPD2025 - www.gpd.fi

GPD FINLAND 2025

BUS SCHEDULE

CITY CENTER > FAREWELL PARTY

DEPARTURE	ARRIVAL	BUS
18:30	19:15	1
18:30	19:15	2
18:35	19:20	1
18:35	19:20	2
18:40	19:25	1
18:40	19:25	2
18:45	19:30	1
18:45	19:30	2

BUS ROUTE 1:

Solo Sokos Hotel Torni Tampere (Ratapihankatu 43)
→ Lapland Hotels Arena (Ratapihankatu 54)
→ Courtyard by Marriott Tampere City (Yliopistonkatu 57)
→ via Itsenäisyydenkatu to Farewell Party

BUS ROUTE 2:

Scandic Tampere City (Hämeenkatu 1) → (Kalevantie)
→ Courtyard by Marriott Tampere City (Yliopistonkatu 57)
→ via Itsenäisyydenkatu to Farewell Party

The bus leaves when it is full.

GPD FINLAND 2025

BUS SCHEDULE

Glass Performance Days 2025

FAREWELL PARTY > CITY CENTER

DEPARTURE	ARRIVAL	BUS
22:00	22:30	Return
22:30	23:00	Return
23:00	23:30	Return
23:30	00:00	Return
00:00	00:30	Return
00:30	01:00	Return
01:00	01:30	Return
01:30	02:00	Return
02:00	02:30	Return
02:00	02:30	Return

RETURN BUS:

Farewell Party → Lapland Hotels Tampere (Yliopistonkatu 44)
→ Courtyard by Marriott Tampere City (Yliopistonkatu 57)
→ Solo Sokos Hotel Torni Tampere (Ratapihankatu 43)
→ Scandic Tampere City (Hämeenkatu 1)

NETWORKING ACTIVITIES

GPD Pub at John Scott's

Located in Ratina near Nokia Arena, John Scott's serves as an informal GPD hangout spot. It's a convenient place to meet fellow participants for casual conversations, whether after a full day of sessions or on your way to or from other GPD activities.

EXTENDED OPENING HOURS: 11 AM - 2 AM TUE-WED

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