

*The largest International
Conference on Architectural,
Solar & Automotive Glass*

Opening Ceremony
Friday 12 June at 15.00

*- outstanding political, solar
and glass industry top executives
as speakers*

*- more info and registration at
www.gpd.fi/finland*

PROGRAMME ON SATURDAY 13 JUNE 2009

ARCHITECT FORUM

- 09.00 Title to be received
K. Oosterhuis, ONL
- 09.30 BIO[re]BO[o]T : Ecosophical
apparatus & skizoid machines
F. Roche, R + Sie
- 10.00 Material sensibility...
A. Piber, UN-Studio
-
- 10.30 - 11.15 COFFEE
-
- 11.15 Light in the public realm
J. Carpenter, James Carpenter Design
Associates Inc
- 11.45 New Trends in Free Form Design
N. Baldassini, RFR
-
- 12.15 - 13.45 LUNCH
-
- 13.45 Thinking Big with structural glass
J. O'Callaghan, Eckersley O'Callaghan Ltd
- 14.15 Transparent Cubical glass Building in
Madrid
M. Eekhout, Octatube
- 14.45 Title to be received
J. van Rijs
-
- 15.15 - 16.00 COFFEE
-
- 16.00 The Need for Research and
Development Collaboration between
Designers and Industry
J. Kooymans, Halcrow Yolles Inc.
- 16.30 New dimensions
U. Knaack, TU Delft

CHANGING MARKETS

- 09.00 Russian flat glass market...
L. Shakhnes, Glass Enterprises Union
- 09.30 Glassworld position in the new...
J. Coenen, Glass Market Consultancy
- 10.00 Architectural Trends - Thru the...
C. Bostick, C.W. Bostick Consulting Arch.
-
- 10.30 - 11.15 COFFEE
-
- 11.15 Short and long term perspectives
G. Stryi-Hipp, BSW
- 11.45 Glass Facades in South America...
G. Marshall, Estudio Marshall & Assoc.SA.
-
- 12.15 - 13.45 LUNCH
-
- 13.45 Building Integrated Solutions...
H. Hohenstein, Dr. Hohenstein Consult.
- 14.15 The Financial crises as a challenge...
P. Bastianen, Vindigo Surface Tech.
- 14.45 The role of fenestration for less...
F. Koos, EuroWindoer
-
- 15.15 - 16.00 COFFEE
-
- 16.00 Back bedding comes to Europe
H. Kahles, H.B.Fuller GMBH
- 16.20 Transport challenges in the supply...
B. Strikkers, Van Huët Glass Logistics
- 16.40 The Opacity of Float: Clarifying crises..
W. Yanek, Glass Association North America
- 16.55 International dimensions of AGRR...
P. De Ridder, International Automotive Glass
Federation
- 17.10 State of the industry in the UK
N.Rees, Glass and Glazing Federation

ENERGY PERFORMANCE IN BUILDINGS

- 09.00 Energy Efficiency Activities in the...
J. Benney, NFERC
- 09.30 EU legislation and policies for...
R. Wilberforce, Glass for Europe
- 09.50 The Label of Energy-Saving...
Y. Bao, CBMA
- 10.10 Solar Glazing at Singapore's first...
S. Wittkopf, National University of Singapore
-
- 10.30 - 11.15 COFFEE
-
- 11.15 Optimal Glazing for Optimal...
D. Ramboux, AGC Flat Glass Europe
- 11.35 Energy Usage Comparisons of...
L. Carbary, Dow, Corning Corp.
- 11.55 The research of thermo technical...
A. Verkhovsky, NIISF RAABS
-
- 12.15 - 13.45 LUNCH
-
- 13.45 Beware! Transparency vs reflectivity..
A. Millwood, Emirates Glass LLC
- 14.05 Improvements in the method of...
I. Calderone, Calderone and Asc. Pty Ltd
- 14.25 Applications of coated glass in high...
A. Roos, Uppsala University
- 14.45 Dynamic Building Facades for Zero...
S. Selkowitz, LBNL
-
- 15.15 - 16.00 COFFEE
-
- 16.00 The CO₂-cutting benefits of...
B. Carrel-Billiard, Saint-Gobain Glass Fr
- 16.20 Variable Light Transmission...
F. Millett, Pleotint
- 16.40 Timber-Glass Composite Structural
J. Pequeno, University of Minho
- 17.00 Characterization of translucent
G. Rossi, INRIM
- 17.20 Energy saving by use of active roof
windows
B. H. Philipson, Velux A/S

TEMPERING / PRE-PROCESSING

- 09.00 Explanation for edge bending...
A. Aronen, TUT
- 09.30 Atmosphere & temperature...
G. Rancoule, Vesuvius
- 09.50 Proposal to enhance the heat
O. Youfi, SIMaP
-
- 10.30 - 11.15 COFFEE
-
- 10.10 A significant breakthrough in...
P. Boaz, Glass Products Consulting LLC
- 11.15 How edge-work effects the glass...
F. Lumini, Glaston Italy Spa
- 11.35 Quality criteria of curved glass
J. Buscher, Glasid AG
-
- 12.15 - 13.45 LUNCH
-
- PROCESS DESIGN - VALUE CHAIN
- Chairmen: K.Mühlhans, ALBAT + WIRSAM;
S. Lautamäki, Glaston
- 13.45 Key performance indicators of...
F. Benischke, University of Giessen
- 14.15 How to improve your...
E. Jalkanen, Glaston Ltd
- 14.45 Advantages of a well thought out...
R. Storchenegger, Bystronic Maschinen
-
- 15.15 - 16.00 COFFEE

- 16.00 Reduced order modeling...
S. Wattamwar, TU Eindhoven
- 16.20 Shaping techniques for freely...
D. Rietbergen, TU Delft
- 16.40 An Intelligent Production...
M. Heydar, Behnoor Safety Glass
- 17.00 Inspection systems networked...
K. Vogel, Viprotron GmbH

LARGE AREA COATING PROCESSES

- 09.00 Diamond-Like Carbon as...
R. Petrmichl, Guardian Industries Corp.
- 09.30 nAEROTm - On-line coating for...
J. Pimenoff, Beneq Oy
- 09.50 Reactive-Sputtering Voltage Control
K. Nauman, Advanced Energy Industries
- 10.10 Heat Treatable Coatings
M. Heidrich, VON ARDENNE
-
- 10.30 - 11.15 COFFEE
-
- 11.15 Design and Features of New Power...
D. Ochs, HUETTINGER Elektronik
- 11.35 Uniformity control in reactive...
V. Bellido-Gonzalez, Gencoa Ltd
- 11.55 Is it possible to avoid translucence...
H. Weis, INTERPANE
-
- 12.15 - 13.45 LUNCH
-
- 13.45 Superhydrophobic antireflective
X. Zhang, TUT
- 14.05 Photocatalytic and Antibacterial...
M. Kurtoglu, Artcraft Inc.
- 14.25 The next generation of switchable...
B. Lamontagne, NRC
- 14.45 PV Solar Electricity as a globally major
future electricity provider...
W. Hoffmann, Applied Materials
-
- 15.15 - 16.00 COFFEE
-
- 16.00 Evaluation of antireflective coatings
P. Nostell, NosTec
- 16.20
- 16.40 A multidisciplinary approach...
B. Szyszka, Franhofer Institute for Surface
Engineering and Thin Films IST
- 17.00 Protective coating of float glass
M. Emonds, ACW

LAMINATED GLASS

- 09.00 Glass geometry and mathematics
N. Baldassini, RFR
- 09.30 Mechanical participation of...
J.C. Nugue, Saint Gobain Glass
- 09.50 The influence of the interlayer on...
G. Ranocchiai, University of Florence
- 10.10 Improved post-breakage behavior...
S. Feirabend, Werner Sobek Stuttgart
-
- 10.30 – 11.15 COFFEE
-
- 11.15 Stiffness of Laminated Glass
D. Callewaert, Ghent University
- 11.35 Thermo Mechanical Behaviour of...
B. Weller, Technische Universität Dresden
- 11.55 Laminating challenges in Today's...
S. Hiss, Kuraray - Trosifol
- 12.15 Optical and thermal simulation of...
T. Baenas Tormo, Cristalería Soler Hnos., S.A.
-
- 12:45 - 13:45 LUNCH

AUTOMOTIVE

- 13.45
- 14.15 Improvements to the Processability...
M. Coda, Southwall Technologies Inc.
- 14.45 Heatable glass using carbon nanotube
S.Son, Hyundai Motor Company
-
- 15.15 – 16.00 COFFEE
-
- 16.00
- 16.20 Next generation automotive enamels
G. Sakoske, Ferro Corporation
- 16.40 Lightweight, Durable Solutions...
V. Gizzi, DuPont Belgium

ARCHITECTURAL CHALLENGES

- 09.00 A Model to Describe the Load...
H.S. Norville, Texas Tech University
- 09.30 Study of Panelization Techniques
J. Kooymans, Halcrow Yolles Inc.
- 09.50 A design concept for bent IGs...
J. Neugebauer, University of Applied Sciences
- 10.10 Bonded point fixities for...
M. Bues, Munich University of Applied Sciences
-
- 10.30 – 11.15 COFFEE
-
- 11.15 Effects on the Stress Distribution...
B. Weller, Technische Universität Dresden
- 11.35 Bracing steel frames with adhesive...
F. van Herwijnen, TU Eindhoven
- 11.55 Fail-safe design of façades with ...
G. Royer-Carfagni, University of Parma
-
- 12.15 – 13.45 LUNCH
-
- 13.45 Studying the performance of...
G. Loddo, Cagliari University
- 14.05 CLC. Coloured Liquid-Crystal...
R. Rubio-Hernández, UVa
- 14.25 Electronically Tintable Glass
H. Sanders, SAGE Electrochromics, Inc.
- 14.45 High-strength fibre rods as...
C. Louter, TU Delft
-
- 15.15 – 16.00 COFFEE
-
- 16.00 Failure Behaviour of Glass Beams...
F. Bos, TUDelft
- 16.20 Novel Integrated Curtain Wall...
M. Kragh, Arup
- 16.40 Use of laminated glass in a 18m...
P. Wilson, Malishev Wilson Engineers

SOLAR AND GLASS TECHNOLOGY

- 09.00 Feed in tariff in Germany
H-J. Fell, Member, German Bundestag
- 09.30 Anti-reflection coatings for solar...
M. Harvey, XeroCoat Inc
- 09.50 New Standard In PV Industry
T. Plessing, Interpane
- 10.10 Innovation at DSM
P. Buskens, DSM Research
-
- 10.30 – 11.15 COFFEE
-
- 11.15
- 11.35 Development of textured TCO...
O. Agustsson, AGC European R&D Centre
-
- 11.55
- 12.15 – 13.45 LUNCH
-
- 13.45 Silver based transparent conductive...
Y. Lu, Guardian Industries
- 14.05 Advanced CIS thin film...
P. Mogensen, Avancis GmbH & Co KG
- 14.25 Large area deposition of ...
V. Sittinger, Fraunhofer IST
- 14.45 Glass inspection techniques in PV
K. Wawrew, SynergX Technologies Inc
-
- 15.15 – 16.00 COFFEE
-
- 16.00 Solar Glass with New Properties
U. Wagner, Jenoptik Germany
- 16.20 High performance and durable anti-reflecting coatings
S. Thomsen, Guardian Industries Corp

INSULATING GLASS UNITS

- 09.00 Keynote: Evaluation of the stability...
N. Ng, The University of Sydney
- 09.30 Production equipment for advanced...
W. Friedl, Grenzbach Maschinenbau
- 09.50 Translucent Insulating Nanogel...
F. Schneider, OKALUX GmbH
- 10.10 Proposal for an energy rating system if windows in EU
M. Belling Skou, Velux A/S
-
- 10.30 – 11.15 COFFEE
-
- 11.15 Modeling of Insulated Glass...
R.J. Pyllki, Aspen Research Corporation
- 11.35 Glass Bonding in Windows
W. Wagner, Sika Services AG
- 11.55 "Vitrag Respirant"
M. Cossavella, CSTB
-
- 12.15 – 13.45 LUNCH
-
- 13.45 Warm edge - making the right choice
J. Holm, Rolltech A/S
- 14.05 Methodology for the determination...
N. Sack, ift Rosenheim
- 14.25 Using novel sealant technology to...
H. Kahles, H.B.Fuller GmbH
- 14.45
-
- 15.15 – 16.00 COFFEE
-
- 16.00 The fogging of IG Units in Stick...
G. Winstanley, Yuanda Australia
- 16.20 Challenges of Bent Insulating Glass
J. Erb, Edgetech IG
- 16.40 News of intergraded windows
K. Puschmann, Bystronic Lenhardt GmbH
- 17.00 Insulating Glass Certification System
Y. Bao, CBMA

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NEW PRODUCTS & APPLICATIONS

- 09.00 Metal-to-glass bonding properties...
C. Louter, Delft University of Technology
- 09.30 Hybrid Components of Glass...
B. Weller, Technische Universität Dresden
- 09.50 New marine glazing developments
V. Gizzi, DuPont de Nemours
- 10.10 The future of glass – examples of innovative products and forms
P. Tückmantel, Hunsrücker Glasveredelung Wägener GmbH & Co. KG
-
- 10.30 – 11.15 COFFEE
-
- 11.15 Phosphorescent glass in architecture and design
S. Warchold, Gruppe RE interior + product design
- 11.35 Size matters - and fire safety must...
W. Hillmann, INTERVER AG
- 11.55 Fire resistance with Low-E coated...
J. Koudijs, DGMR
-
- 12.15 – 13.45 LUNCH
-
- 13.45 Comparison of corrosion tests for...
U. Brokmann, TU Ilmenau
- 14.05 High Performance Nano-Coatings...
G.E.Sakoske, Ferro Corporation
- 14.25 100% Silicone based four sided...
M. Rahim, ICD, High Performance Coatings
- 14.45 New Product Range for Glass...
R. Drach, Sefar AG
-
- 15.15 – 16.00 COFFEE
-
- 16.20 Transparent Electronic Interlayers
D. Shavit, SUN-TEC
- 16.40 Unique publications for anti-reflective
C. Barry, Pilkington NA Inc.
- 17.00 Laminated glass with LED embedded
H. Lefèvre, AGC Europe
- 17.20 Laser-based fast and flexible surface
Hendrik Gebauer, Laser Zentrum

GLASWELT

GLAS FENSTER FASSADE

SUPPORTING THE EDUCATION OF THE
GLASS INDUSTRY THROUGH GPD

AUTOMOTIVE

09.00 Polycarbonate Automotive Glazing

A. Scholten, SABIC Innovative Plastics

09.30

09.50

10.10

10.30 – 11.15 COFFEE

11.15 Windshield Heating and Bending...

D. Lampman, Engineering Appl. Sciences

11.45 New possibilities for windshield...

R. Senft, Grafotec Spray Systems GmbH

12.15 – 13.45 LUNCH

13.45 Cool Coatings For Sunroof and...

M. Coda, Southwall Technologies Inc.

14.15 Thin film coating on automobile glass

Y. Taga, Chubu University

14.45 Polymeric Coatings Cured by UV...

B. Alpay, Dow Automotive

15.15 – 16.00 COFFEE

16.00 Glass inspection techniques in...

K. Wawrew, SynergX Technologies Inc

16.20 A structured lighting for 3D shape...

J-P. Chambard, HOLO3

16.40 Quality Assurance in the Solar...

S. Böhm, TU Braunschweig

17.00 On complete non-destructive...

H. Aben, GlasStress Ltd

BUILDING PROJECTS

09.00 ARoS, Rainbow Panorama

T. Henriksen, GlassDesign

09.30 Curved glass structures

F. Weber, Arup Materials Consulting

09.50 Structural use of glass, cruciform...

R.I. Petersen, Ramboll

10.10 The new Architecture of the AUDI

I. Maniatis, Ingenieurbüro Dr. Siebert

10.30 – 11.15 COFFEE

11.15 TKTS - Once in a lifetime

A. Smith, IPIG Ltd

11.35 Increasing Daylighting Level...

C. Tze Kiang, Arup Singapore Pte Ltd

11.55 Individual Approval of a Vault...

B. Weller, Technische Universität Dresden

12.15 – 13.45 LUNCH

13.45 Beyond structural transparency

F. Madeo, Buro Happold

14.05 The new, cold bent glass roof of...

M. Eekhout, TU Delft

14.25 Lincoln Square Synagogue

R. Albert, Front Inc.

14.45 Thrilling twelve meter spanning

D. Meyer, Lucerne University

15.15 – 16.00 COFFEE

16.00 Facade and Special Structures...

B. Beer, Werner Sobek Dubai

16.20 Customizing decorative glass façades

T. Salenius, DIP Tech

16.40 The Berkeley / Entrance pavillion

C. Teixidor, Bellapart s.a.u.

17.00 Engineering, Design and Erection...

F. Wellershoff, Permasteelisa

PROGRAMME ON MONDAY 15 JUNE 2009

FAÇADE SESSION

08:45 INTRO

09.00 Christ the Light Cathedral Oakland

California

C.K. Boswell

09.30 Calculation methods for the structural
behavior of laminated glass

S. Bennison, Dupont

10.00 Glass strength - A review...

L. Jacob, Jacob and Associates Pty Ltd

10.30 – 11.15 COFFEE

11.15 Glass-Steel Beams

B. Weller, Technische Universität Dresden

11.45 Fracture characteristics of heat...

L. Jacob, Jacob and Associates Pty Ltd

12.15 – 13.45 LUNCH

13.45 Facades behaviour under Blast

G. Lori, Permasteelisa

14.05 A Relationship between Load...

S. Morse, Texas Tech University

14.25 Analysis and Design of spandrel and
shadowbox panels

M. Michno, TJ Dehganyar

14.45 Glass design using the SLG-Method

J. Beyer, TU Darmstadt

15.15 – 16.00 COFFEE

16.00 Capital Gate - Looking beyond

J. Sischka, Waanger-Biro Stahlbau AG

16.20 Animated Glass Architecture

D. Schulte, DORMA GlasTec GmbH

16.40 Corrugated glass as a strategy...

R. Nijssen, University of Delft

17.00 High Performance Glazing Facade...

X. Zhang, Tongji University

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PRODUCT & PROCESS CASES

08:45 INTRO

09.00 Laser cutting equipment for all flat...

W. Friedl, Grenzbach Maschinenbau GmbH

09.30 Precise Glass Penetration

P. Pokoern, Bohle AG

09.50 Dynamically optimized mixed glass
flow...

H. Biel, Wolff+Meier GMBH

10.10

10.30 – 11.15 COFFEE

11.15 Glass road to united Europe.

D. Goculowski, Starglass Ltd. Poland

11.35 Clean Glass is Green Glass

S. Byers, Ritec International Ltd

11.55 How can predictive strategies contribute

R. Meuleman, Eurotherm B.V.

12.15 – 13.45 LUNCH

QUALITY MANAGEMENT

13.45 Program of glass products

A. Chesnokov, OAO Glass Research Inst.

14.05 Glass failure, science fiction...

F. Veer, TUDelft

14.25 German guidelines for using...

P. Hof, TU Darmstadt

14.45 The Challenge of Quality ...

Y. Rodichev, G.S. Pisarenko Institute

15.15 – 16.00 COFFEE

16.00 Quality Management for Solar...

T. Rainer, Halle (Saale), Germany

16.20 Anisotropy and Optical distortion...

T. Henriksen, GlassDesign

16.40 New trends in High Speed Infrared...

R. Gärtner, Raytek GmbH

SOLAR AND GLASS TECHNOLOGY

09.00 Glass Overview

T. Hofmann, Centrosolar Group AG

09.30 Performance of advanced solar pvb...

U. Keller, Kuraray GMBH

09.50 Silicones: Ideal material solutions

T. Kervyn, Dow Corning

10.10 New encapsulation solution for the
PV

K. Puschmann, Bystronic Lenhardt
GmbH

10.30 – 11.15 COFFEE

11.15 Sealants and Adhesives for...

E. Semar, Kömmerling Chemische Fabrik
GmbH

11.35

11.55 Glass processing opportunities for...

R. Nieminen, Glaston America Inc.

12.15 – 13.45 LUNCH

13.45 The battle of light - solar cells in glass

H. Lauritzen, Danish Technological Inst.

14.05 Innovative Thin-Film Photovoltaic

B. Weller, Technische Universität Dresden

14.25 Systems for fixing of solar panels

I. Maniatis, Ingenieurbüro Dr. Siebert

14.45 Durable Concentrating Solar Power...

S. Thomsen, Guardian Industries Corp.

15.15 – 16.00 COFFEE

16.00 Laser-based fusing of glass tubes

L. Richter, Laser Zentrum Hannover

16.20 Future of mirrorpaints

P. De Vos, Fenzi Belgium NV

16.40 Solutions in solar business

ABB