

PROCESSING SESSIONS IN GPD 2011

Large Area Glass Coating for Energy Performance

Chairmen: Steve Nadel - Applied Materials & Dr. Gerd Kleideiter - Leybold Optics

Continued Process Improvements in Architectural Glass Coating

Dr. Christoph Köckert, VON ARDENNE Anlagentechnik GmbH

High selective solar control coatings

Dr. Marcus Frank, Guardian Industries

MF power supplies for state of the art sputtering applications

Dr. Peter Wiedemuth, HUETTINGER Elektronik GmbH + Co. KG

10.30-11.15 COFFEE BREAK

Online Chemical Vapor Deposition For Large Area Glass Coatings: Turn-Key Robust Systems

Dr. David Dai, Arkema Inc.

TCO production window of the nAERO process

Mr. Erkki Seppäläinen, Beneq Oy

12.15-13.45 LUNCH

Laminated Glass / Process / Design

Chairmen: Uwe Keller - Kuraray Europe GmbH Division Trosifol & Julia Schimmelpenninck - Solutia

Adhesion, Creep and Relaxation

Dr. Leonardo Lani, University of Pisa

Lamination of Complex Laminates with PVB interlayer

Mr. Dan Domingos, Solutia Inc

Analytical Laminated Glass Design

Dr. Stephen Mors, Texas Tech University

Inorganically filled PVB-films for active light control

Dr. Jan Beekhuizen, Kuraray Europe GmbH, Division TROSIFOL

15.15 - 16.00 COFFEE BREAK

High performance interlayer enables cost efficient glazing

Mr. Ingo Stelzer, DuPont de Nemours

Ageing Behaviour of Polymeric Interlayer Materials and Laminates

Prof. Bernhard Weller, TU Dresden

Innovations in Glass Design and Fabrication

Mr. James O'Callaghan, Eckersley O'Callaghan Structural Design

Where high dense colors meets transparency is Sublistyle

Mr. G.J. van Dijken, Van Dijken Glas BV

www.gpd.fi/finland

High-level Automation & Quality Management

Chairmen: K. Mühlhans - Glaston & L. Wahlers - ISRA Surface Vision GmbH

Optical Quality Assurance and Process Control

Mr. Hans Oerley, Dr. Schenk GmbH Industriemesstechnik

The strength of water jet cut glass

Dr. Frederic Veer, TU Delft

Direct Glazing in Fenestration

Dr. Wolfgang Wittwer, Kömmerling Chemische Fabrik GmbH

10.30 - 11.15 COFFEE BREAK

The total benefit of a Quality-Scanner integrated in an IG or tempering production

Mr. Kai Vogel, Viprottron GmbH

Product Individualization – The new challenge for glass processing

Dr. Thomas Rainer, boracident GmbH

Polishing glass by means of water cutting technology

Ms. Maria Lang, Glafo

Influence of experimental test type on the determination of probabilistic stress distribution

Prof. M^o Consuelo Huerta, PU Madrid

12.15 - 13.45 LUNCH

Product and Process Case Studies

Chairmen: Klaus Mühlhans - Glaston & Peter Böhmer - Hegla

The Analysis of Breakages of Curved Heat Treated Glass

Mr. John Colvin, JCGC Limited

Improved cracking resistance by thin film ALD coatings

Mr. Olli Jylhä, Beneq Oy

Optimized productivity by automated residual plate storage

Mr. Feldmann, Semco Glas

Optimised production processes and significant reduction of waste...

Ing. Mag. W.Krügl, C.Bergmann KG

15.15 - 16.00 COFFEE BREAK

Cold deformation of insulated glass units (IGU)

Dr. Peter Hof, TU Darmstadt

Improvement of Edge Stability by Optimizing the Cutting Process

Mr. Peter Pokoern, Bohle AG

Development and testing of a plastic connector suitable for use with stainless steel...

Mr. Lenz Jörg, Technoform Glass Insulation GmbH

IGU and Window Technology

Chairmen: Dr. Karrer - IGK Isolierglasklebstoffe GmbH & T. Rogers - Edgetech IG

Integration of Window Bonding into IG Production Line

Mr. Klaus Puschmann, Bystronic glass

Mechanical deformations in a vacuum glazing; a element modeling study

Dr. Cenk Kocer, University of Sydney

Quality assurance of vacuum glazing

Dr. Nelson Ng, The University of Sydney

10.30 - 11.15 COFFEE BREAK

Vacuum-Insulating-Glass vs. Triple-Insulating-Glass

Mr. W.Friedl, Grenzebach

Spring stiffness of the edge sealing in curved insulated glass units

Dr. Jürgen Neugebauer, FH Joanneum

Compatibility in Facade & Fenestration

Dr. Wolfgang Wittwer, Kömmerling Chemische Fabrik GmbH

12.15 - 13.45 LUNCH

Practical aspects of manufacturing triple insulating glasses for Europe

Dr. K.Huntebrinker, ISOLAR-Glas-Beratung GmbH

Triple Glazing – Challenges and solutions

Dr. Wolfgang Wittwer, Kömmerling Chemische Fabrik GmbH

Load Sharing and Load Resistance in Triple Glazed Insulating Glass Units

Prof. Scott Norville, Texas Tech University

15.15 - 16.00 COFFEE BREAK

Application & Possibilities of triple layer insulating glass

Mr. Michael Elstner, Interpane

Life Cycle analysis and durability of building assemblies

Dr. P.Vandereecken, Dow Corning

Tempering / Pre-processing

Chairmen: F.Serruys - XXLGLASS - Saint-Gobain & R.Quintero - Glaston

Solar Glass and processing

Mr. Gilbert Rancoule, Vesuvius France

Thermally toughened safety glass

Mr. Ennio Mognato, Stazione Sperimentale del Vetro

On the inhomogeneity of residual stresses in tempered glass panels

Dr. Johan Anton, GlasStress Ltd

Mechanical glass tempering - present products and future challenges

Mr. Antti Aronen, TU Tampere

Influence of edge flaws on failure strength of glass

Ms. Maria Lindqvist, EPFL

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