

program

monday August 30, 2021

09:45

Opening

Petra Cullmann, Messe Düsseldorf, Germany

*Christian Louter, Jens Schneider, Silke Tasche, Bernhard Weller
Technische Universität Dresden, Technische Universität Darmstadt*

KEYNOTES

10:00

Glass Facades: Present and Future Challenges

Prof. Lucio Blandini, Universität Stuttgart, Germany

Uber - Highly Transparent Facades in Seismic Prone Region

Dr. Matthias Oppe, Knippers Helbig GmbH, Stuttgart, Germany

11:00

Coffee Break

11:30

STRUCTURAL USE OF GLASS

Building a Frameless Glass Structure with Structural PVB Interlayers and Stainless Steel Fittings

Dr. Thiemo Fildhuth, Knippers Helbig GmbH, Stuttgart, Germany

Bending Behaviour of Cold Bent Linearly Supported Glass Plates

Maximilian Laurs, RWTH Aachen, Germany

Experimental Investigations on the Fracture Strength of Soda-Lime Silica Glass at Elevated Temperatures

Gregor Schwind, Technische Universität Darmstadt, Germany

Chemically Strengthened Glass for Architectural Applications

Dr. Marco Zaccaria, AGC Glass Europe, Gosselies, Belgium

Analysis of Residual Stresses at Holes Near Edges in Tempered Glass

Steffen Dix, University of Applied Science Munich, Germany

Adé ETAG 002 - A Eurocode-Compliant Design Concept for Silicone Adhesive Joints

Dr. Michael Drass, M&M Network-Ing UG, Mainz, Germany

Twisted Tower - A Feasibility Study for Cold-Bent Insulating Glass Units with an Elastic Edge Seal

Dr. Thomas Scherer, Kömmerling Chemische Fabrik GmbH, Germany

13:00

Lunch Break

14:00

ARCHITECTURAL AND STRUCTURAL DESIGN

Numerical Study on Adhesively Bonded Glass-Metal Facade Elements under Different Loading Scenarios

Dr. Vlad A. Silvestru, ETH Zurich, Switzerland

Liquid Laminated Glass Connections

Stratis Volakos, University of Cambridge, United Kingdom

Development of Novel Connection Joints for Glass-Plastic-Composite Panels

Julian Hänig, Technische Universität Dresden, Germany

Timber-glass composite: concepts for glued bracing floor elements

Prof. Alireza Fadai, Technische Universität Wien, Austria

Design Variants of Slat-type Solar Thermal Blinds for Facade Integration

Paul-Rouven Denz, Priedemann Facade-Lab GmbH, Grossbeeren/Berlin, Germany

Novel, Semi-Transparent Glass-Glass-BIPV-Modules with new Design Features

Dr. Frank Ensslen, Fraunhofer Institute for Solar Energy Systems ISE, Freiburg, Germany

Safety of laminated BIPV Glasses: Progresses Towards Products Qualification

Fabio Parolini, University of Applied Sciences and Arts of Southern Switzerland, Canobbio, Switzerland

15:30

Coffee Break

16:00

PROJECTS

Bonded Glass Tubes as Translucent Jacket of the Museum of Fine Arts in Houston - Design, Engineering and Testing

Dr. Jonas Hilcken, Josef Gartner GmbH, Würzburg, Germany

Lightweight and Transparent Installations

Peter Lenk, Arup, London, United Kingdom

N26 - Daylighting Design made from Thin Glass

Prof. Jürgen Neugebauer, FH Joanneum Graz, Austria

Curved Skylight of the Hotel RITZ Madrid

Arnau Bover, Bellapart, Girona, Spain

17:00

KEYNOTES

The Structure of the Transparency

James Carpenter, James Carpenter Design Associates Inc., New York

17:30

Closing

*Christian Louter, Jens Schneider, Silke Tasche, Bernhard Weller
Technische Universität Dresden, Technische Universität Darmstadt*

engineered transparency