

program

monday August 30, 2021

09:45 **Opening**
Birgit Horn, 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
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
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
Marco Zaccaria, AGC Glass Europe, Gosselies, Belgium

Analysis of Residual Stresses at Holes Near Edges in Tempered Glass
Christian Schuler, University of Applied Science Munich, Germany

Adé ETAG 002 - A Eurocode-Compliant Design Concept for Silicone Adhesive Joints
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
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
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
Erica D'Ettore & Julian Hänig, Arup, Toronto, Canada & Technische Universität Dresden, Germany

Timber-glass composite: concepts for glued bracing floor elements
Alireza Fadaei, 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
Johannes Eisenlohr, Fraunhofer Institute for Solar Energy Systems ISE, Freiburg, Germany

Safety of laminated BIPV Glasses: Progresses Towards Products Qualification
Pierluigi Bonomo, 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
Jonas Hilcken, Josef Gartner GmbH, Würzburg, Germany

Lightweight and Transparent Installations
Peter Lenk, Arup, London, United Kingdom

N26 - Daylighting Design made from Thin Glass
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*