THURSDAY, 25 OCTOBER

**BLOCK 1**
- **FAÇADE – ARCHITECTURAL DESIGN**
  - ROOM 2 | CHAIRMAN: DANIEL ARZTMANN
    - 11.30 h All-glass entrance pavilion for an office building in Madrid
      - Jordi Torres, Bellapart
    - 11.50 h Studies on glass facades morphologies
      - Marcin Brzeziński, Wrocław University of Science and Technology
    - 12.10 h Double-Skin Facades: Boundary Conditions, Challenging Examples and Developments
      - Xenia Cseh, seele
    - 12.30 h A new building envelope – increasing daylight and energy efficiency with water flow glazing
      - Daniel Pfanner, Bolllinger & Grohmann Ingenieure
    - 13.00 h Lunch

**FAÇADE – PROJECTS**
- ROOM 3 | CHAIRMAN: ULRICH KNAACK
  - 16.00 h Structural sealant glazing with architecturally designed photovoltaic modules
    - Karoline Fath, Ed. Züblin AG
  - 18.00 h Guided tour through glass technology live

**SPECIAL SESSION – STANDARDS AND DESIGN**
- ROOM 1 | CHAIRMAN: JENS SCHNEIDER
  - Comparison of IGU and LSG-design according to German and European Standard
    - Geralt Siebert, Bundeswehr University Munich
  - ASTM glass structures standard – Going beyond a design guide for a unique engineering material
    - Richard Green, FRONT

**CLASS – STRUCTURAL DESIGN**
- ROOM 1 | CHAIRMAN: FRANK WELLERSHOFF
  - Design of statically indeterminate reinforced glass beams: accounting for system action
    - Kenny Martens, Ghent University
  - Testing Procedure and the Effect of Testing Machinery on Four-Point Bending of Curved Glass
    - Paulina Bukieda, Technische Universität Dresden
  - The geometrical properties of random 2D Vornoi tesselations for the prediction of the tempered glass fracture pattern
    - Naidal Pourmoghaddam, Technische Universität Darmstadt

**CLASS – COMPOSITES AND COATINGS**
- ROOM 3 | CHAIRMAN: GIANNI ROYER-CARFAGNI
  - Laminate glass with phosphorescent interlayer
    - Stefan Reich, Arnholt University of Applied Sciences
  - Independent testing of Sparklike Laser™ – Non-destructive insulating glass gas fill analyzer
    - Mauri Saksala, Sparklike Oy
  - Laminated Glass with Stiff Interlayers – Glass Canopies with Spans up to 1.2 Meters
    - Julian Hänig, Technische Universität Dresden

**CLASS – COMPOSITES AND COATINGS**
- ROOM 3 | CHAIRMAN: STEFAN REICH
  - Development of a mobile device for the evaluation of the current in-situ stress condition in glass – Experimental and numerical analysis for bonded and mechanical joints
    - Benjamin Schueh, RWTH Aachen University

**ROOM 1**
- **FAÇADE – ARCHITECTURAL DESIGN**
  - ROOM 2 | CHAIRMAN: JENS SCHNEIDER
    - Climate Change and its Influence on Glazed Curtain Wall Design
      - Daniel Arztmann, Schuco International. Detmold School of Architecture and Interior Architecture
    - Open BIM – Driving force for a new culture and new possibilities in façade business
      - Timo Bühlmeyer, Josef Gartner
    - The Seattle Space Needle – Opening the aperture on an icon
      - Richard Green, FRONT
    - Benefits of optical distortion measurement – How Moiré technology drives the efficiency of glass production chains
      - Bertrand Mercier, ISRA VISION

**FAÇADE – PROJECTS**
- ROOM 3 | CHAIRMAN: MICHAEL ENGELMANN
  - Field of Rods: Part 2. Mockup and Performance Testing of TSSA
    - Lawrence Carbary, Dow Performance Silcones
  - Facade Brackets for Blast Enhancement
    - Frank Weihershoff, WaferCity University Hamburg
  - Facilitated Assembly and Construction with Curved Glass
    - Thiemo Fildhuth, Knippers Helbig
  - Facileity of bent glasses with small bending radii
    - Tobias Rist, Fraunhofer Institute for Mechanics of Materials IWM

**ROOM 2**
- **FAÇADE – ARCHITECTURAL DESIGN**
  - ROOM 2 | CHAIRMAN: JENS SCHNEIDER
    - Energetic capability of photovoltaic thermal collectors in the facade
      - Christian Popp, Technische Universität Dresden
    - Translucent wall elements with switchable U- and g-value
      - Nikolaus Nestle, BASF SE Advanced Materials and Systems Research
    - Solar thermal energy from opaque and semi-transparent facades – current results from R&D project Arko
      - Paul-Rauzen Datz, Friedemann Façade-Lab
    - Structural sealant glazing with architecturally designed photovoltaic modules
      - Karoline Fath, Ed. Züblin AG

**FAÇADE – PROJECTS**
- ROOM 3 | CHAIRMAN: MICHAEL ENGELMANN
  - Optimized Adhesive for Structural Sealant Glazing in Blast Scenarios
    - Viviana Nordini, Sika Services
  - Fixed sunshade device for overhead glazing
    - Daniel Kleineher, kleineher+partner
  - Field of Rods: Part 2. Mockup and Performance Testing of TSSA
    - Lawrence Carbary, Dow Performance Silcones
  - Facileity of bent glasses with small bending radii
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### FRIDAY, 26 OCTOBER

**9.45 h** Opening  
Michael Degen, Messe Düsseldorf  
Jens Schneider and Bernhard Weller

**10.00 h** Performative and regenerative: Facade Ecosystems  
Jan Wurm, Arup

**10.30 h** Die CEN TS “Structural Glass – Design and Construction Rules” as pre-standard for the Eurocode  
Markus Feldmann, RWTH Aachen University

**11.00 h** Coffee break

| BLOCK 1 | FACADE – STRUCTURAL DESIGN | ROOM 2 | CHAIRMAN: ULRICH KNAACK | SPECIAL SESSION – THIN GLASS | ROOM 1 | CHAIRMAN: MARKUS FELDMANN | GLASS – PROJECTS | ROOM 3 | CHAIRMAN: FELIX NICKLISCH |
|---|---|---|---|---|---|---|---|---|
| 11.30 h | Bracing Timber-glass-facade | Feasibility studies, performance assessments and optimization  
Alireza Fadai, Vienna University of Technology | Development of Thin Glass-Polycarbonate Composite Panels  
Sebastián Andrés López, Universität Siegen | Glass Sculpture at Dr. George Robert Grasett Park  
Han Yoo, Entuitive |
| 11.50 h | The Electricity Generating Window of the Future  
Sadig van Overbeek, Physee | Kinetic Omni-Stable Structural Forms Using Ultra-Thin High-Strength Glass for Envelope Applications  
Peter Lenk, Arup | Mistral Tower: Value of System Design, Manufacturing and Installation in Cold Bent SSG Units  
Viviana Nardini, SIKA Services |
| 12.10 h | Electrically heatable Low-E glass  
Timo Saukkio, Finnglass Oy | Theoretical development of suitable test scenarios for the determination of the bending tensile strength of thin glass with or without influence of edges and their experimental implementation  
Jürgen Neugebauer, University of Applied Sciences FH | Qwalala – Monumental sculpture made out of glued glass blocks  
Christoph Paech, schlaich bergermann partner |
| 12.30 h | Application of silicone technology in curtain wall facade to improve thermal performance  
Valérie Hayez, Dow Silicones Belgium | Adaptive and Composite Thin Glass Panels  
Christian Louter, Delft University of Technology | Sana Al-Nour: the development of a unique integrated artwork  
Luke Lowings, Carpenter | Lowings A & D |
| **13.00 h** | Lunch |

| BLOCK 2 | FACADE – STRUCTURAL DESIGN | ROOM 2 | CHAIRMAN: ALIREZA FADAI | SPECIAL SESSION – THIN GLASS | ROOM 1 | CHAIRMAN: JÜRGEN NEUGEBAUER | GLASS – PROJECTS | ROOM 3 | CHAIRMAN: CHRISTIAN LOUTER |
|---|---|---|---|---|---|---|---|---|
| **14.00 h** | Nike Flagship Facade – Design, Engineering and Testing  
Daniel A. Vos, Heintges Consulting Architects & Engineers | Design concept for cold bent shell structures made of thin glass  
Gordon Nehring, Bundeswehr University Munich | Glass Bow for the Iran Mall in Tehran  
Bernd Stimpflie, formTL, Ingenieure für tragwerk und leichtbau GmbH |
| **14.20 h** | Behavior of load-bearing glass at elevated temperature  
Daniel Honfi, RISE Research Institutes of Sweden | Honeycomb-Paperboard Glass Composite Beams  
Michael Dross, Technische Universität Darmstadt | Hidden features of structural glass engineering in a contemporary museum  
Kathrin Havemann, Waagner-Biro Stahlbau |
| **14.40 h** | Fused deposition modeling with glass for facade applications  
Robert Akerboom, Technische Universität Darmstadt | Introducing the “Cylinder Fit Test”, a simplified edge strength measurement method for Ultra Thin Glass  
Matthias Jotz, SCHOTT | |
| **15.00 h** | Coffee break |