

## **engineered transparency 2018**

The organising committee, Prof. Dr.-Ing. Jens Schneider (Technische Universität Darmstadt) and Prof. Dr.-Ing. Bernhard Weller (Technische Universität Dresden), are inviting to this year's » engineered transparency « conference on the 25<sup>th</sup> and 26<sup>th</sup> of October in Dusseldorf. The conference will take place simultaneously with the world's largest trade fair on glass, » glasstec «.

Distinguished experts from academia and research will discuss current developments and innovations in glass constructions with the main topics » Glass | Façade | Energy « at the 6<sup>th</sup> engineered transparency conference.

## **programme summary**

The first day of the conference, 25<sup>th</sup> October, starts with a special session on » Standardisation and Measurement «. The conference contributions will focus on current developments in façade construction. The presentations will deal with energy efficiency, sustainability as well as with conserving resources and use of the façade as an energy-efficient part of the building. Furthermore, the focus is on the material properties of glass in the building industry along with the manifold possibilities of glass processing.

The » engineered transparency « programme will be followed by an exclusive tour of the special exhibition » glass technology live «. The exhibition presents fascinating products and visions from research and practice. It also offers visitors insights into the large potential of glass as a building material. » Glass technology live « is showing a variety of impressive exhibits in cooperation with the » Technische Universität Darmstadt « and the » Technische Universität Dresden «. Afterwards, all visitors are invited to join the » get-together « in the » glass technology live « exhibition area.

On the second day, 26<sup>th</sup> October, the design and dimensioning of innovative glass constructions as well as technical details of solar technology and adhesive glass joints will be discussed. Simultaneously, the second special session on the topic of » Thin Glass « will take place. Each conference participant is invited to ask questions and discuss the issues presented after each presentation.

## **Exceptional keynote lectures**

» Engineered transparency « is proud to have won esteemed keynote speakers for this year's conference. Prof. Dr.-Ing. Markus Feldmann of RWTH Aachen will open the conference with an inspiring keynote speech on 25<sup>th</sup> October. On the second day, Dr.-Ing. Jan Wurm, group leader for material consulting at Arup in Berlin, and Prof. Dr.-Ing. Rob Nijse from TU Delft will give fascinating insights into their research.

## **conference proceedings**

All contributions of the conference will be published in the conference proceedings. This year, the » Engineered Transparency – Glass in Architecture and Structural Engineering « will contain 70 papers on design, workmanship, research and development by eminent engineers. All papers will be peer-reviewed by an advisory committee consisting of professors and representatives of the economy. Those papers will give deep insight into structural glass construction and state-of-the-art technology.

## **Registration**

The conference addresses engineers, designers and architects who want to engage in stimulating conversations on.

- buildings and projects
- energy and sustainability
- design and construction
- research and development of structural glazing

Glass manufacturers, industrial partners and processors as well as interested clients are encouraged to participate.

The registration fee of 380 € comprises:

- Participation of the conference » engineered transparency « on 25<sup>th</sup> and 26<sup>th</sup> October Entrance to » glasstec 2018 « (world's largest international trade fair on glass) on both conference days; this includes free use of short-distance public transport
- Conference proceedings with 70 scientific papers
- Exclusive guided tour on special exhibition » glass technology live «
- Participation at the exclusive get-together on 25<sup>th</sup> October at the glass technology live area
- Beverages and food during breaks

Registration for the conference opens in July at [www.engineered-transparency.eu](http://www.engineered-transparency.eu)

Students are also encouraged to attend the conference (admission charge is reduced down to 100 €). There is a limited number of student tickets. For this purpose, register online as a normal attendant and send your invoice number and student certificate to: [info@engineered-transparency.eu](mailto:info@engineered-transparency.eu).

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