Agenda IWG „Forschung & Technologie“

16. Februar 2022, 9:45 – 12:00 Uhr

Forum Glastechnik

VDMA e.V.

Lyoner Straße 18, TEAMS

60528 Frankfurt am Main

Dear Ladies and Gentlemen,

we would like to cordially invite you to the next meeting of the industrial working group "Research and Technology" to discuss current trends and topics with professional colleagues from glass machinery manufacturing, from the glass industry and from science and research. Please note the following dates:

Industrial Working Group (IWG) Forschung & Technologie
Wednesday, 16. Februar 2022,
09:45 a.m. – 12:00 p.m.
VDMA e.V.- TEAMS

Main topic:

Creating added value through using laser technologies

We **kindly ask** you to **register** as soon as possible **by using your personalized link** from the email **no later than 2/14/2022.**

Kind regards

Gesine Bergmann
Forum Glass Technology

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Chair: Dr. Christoph Hermanns, Member of the Board of Forum Glass Technology

Creating added value through using laser technologies		
09:50 – 10:20	**Added value by using laser technology at FLABEG Automotive Germany GmbH** Edge processing of glass using laser technology has become increasingly important in recent years, especially in the production of glass for display applications in vehicle interiors. Whereas in the past displays were preferably rectangular, the contour of display glass itself is increasingly becoming a design element. In addition to introducing the different technologies for laser cutting and laser drilling, the presentation will provide an overview of the wide range of resulting processing options for glasses and a brief outlook on future applications of laser processing in flat glass finishing.	**Robert Flierl,** FLABEG Automotive Germany GmbH
10:20 – 10:50	**LASER application at Saint-Gobain Sekurit Deutschland GmbH** Saint-Gobain is in the process to widen the range of applications. Laser processes like struc-turing, drilling, heat treatment, etc., are to be developed for innovative applications and inten-sive collaborations with industrial partners are to be established. One example of laser applica-tion is annealing for large-area coatings.	**Dr. Li-Ya Yeh**, Saint-Gobain Sekurit Deutschland GmbH
10:50 – 11:20	**Radio-transparent insulating glass** Nowadays, insulating glass with one or more low-E layers is used as the standard in buildings and vehicles. Beside a low emission in the infrared spectral range, however, the low-E	**Dr. Thomas Kroyer**, Fraunhofer Institute for Solar

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	layers used also have a high reflection for radio waves. Due to this Faraday cage effect, mobile phone signals are often poorly received in modern buildings and vehicles. By pattern-ing the low-E layers using lasers, good transmission for radio waves can be achieved without signifi-cantly changing the thermal isolation or visual transparency. The achieved prop-erties for dou-ble and triple insulating glass are presented and discussed.	Energy Systems ISE **Torsten Bold**, isophpone glas GmbH
11:20 – 11:50	**Innovative glass processing techniques at SCHOTT AG** The presentation will give an overview of the glass pro-cessing methods at SCHOTT AG with a focus on laser pro-cessing. The spotlight will be on the FLEXINITY product fam-ily and micro-laser welding, which demonstrate the possibili-ties of innovative laser processing and the manu-facture of complex glass structures that cannot be produced conven-tionally.	**Dr. Bernd Hoppe** Schott AG
11:50 – 12:00	Final discussion: **Where is a need for collaborative re-search in this area?**	
12:00	End of the event	

We look forward to meeting you and exciting contributions and discussions.