PRESS RELEASE

29th International Colloquium Plastics Technology
Recruiting. Networking. Innovating – IKV presents its latest research

Aachen, October 2017 – The Institute of Plastics Processing (IKV) in Industry and the Skilled Crafts at RWTH Aachen University will stage its 29th International Colloquium Plastics Technology in Aachen on 28 February and 1 March 2018. The Institute again expects around 800 experts from the global plastics industry to attend the event, which takes place every two years. In 2016, the delegates came from more than 300 companies and 15 nations. All the papers will be translated simultaneously into English.

Research at IKV is currently oriented to four main topics: Additive Manufacturing, Plastics Industry 4.0, Lightweight Construction and Integrative Plastics Technology. IKV’s scientific assistants will give 36 presentations about the latest research at the Institute on these topics, and well-known experts from industry will give keynote speeches that lead into the Colloquium’s 18 sessions. They will also present their positions and will comment on the research results. The program will be rounded off by five plenary lectures from industry and research on trends and future developments.

The industry trade show in the foyer of the Eurogress Aachen is an integral part of the IKV Colloquium. It offers exhibitors an opportunity to present solutions for the plastics industry and to discuss relevant topics with industry partners. IKV expects exhibitors from along the whole value chain, namely raw material producers, machine manufacturers, converters, processors, suppliers of peripheral equipment and service providers.

At "IKV 360°" on the afternoon of the first day, IKV will open its doors to Colloquium delegates and will present its research live in the IKV laboratories and pilot plants. The Institute’s research staff will be on hand to talk to the visitors while the machines are up and running. The papers and presentations on the second day of the Colloquium are intended to deepen the practical impressions gained from the demonstrations.

"Recruiting. Networking. Innovating" is the motto of the IKV Colloquium. Young upcoming scientists will present their innovative subjects, and it is this presentation of research and innovation throughout the entire field of plastics processing technology that sets the IKV Colloquium apart from other event formats. The keynote and plenary lectures from well-known speakers will enrich the program with their connection to the practical side of the subject and their proximity to industrial application, while the discussions among delegates, speakers, exhibitors and IKV staff will significantly strengthen the Institute's network.

Another item on the agenda is the award of the Georg Menges prize, donated by the VDMA, PlasticsEurope and the IKV Sponsors' Association. It will be presented in 2018 for the eleventh time. The award is made to a person who has rendered outstanding service to cooperation between the sciences and economics in the field of plastics processing.
The 18 sessions of the 29th International Colloquium Plastics Technology:

- Flexibilisation of injection moulding manufacture through digitisation
- New approaches for increasing productivity in film extrusion
- Efficient processing technologies for polyurethane lightweight construction
- Reject-free FRP part production through inline process control
- Material/process interactions in additive manufacturing
- Optimising extrusion and further processing by simulation
- Injection moulding of complex lightweight parts of thermosetting plastics
- Design methodology for additive manufacturing
- Integrative plant and process technology in rubber processing
- Digitisation of mould development in precision injection moulding
- Design of plastic chassis components subjected to high dynamic loads
- Analysing and modelling the influence of media on plastics
- Integrative design and production of plastic/metal hybrid parts
- Modelling of anisotropic material effects in part design
- Functionalising plastic surfaces
- Customised production of continuous fibre-reinforced structural parts
- Rigid packaging – resource efficiency through virtual development
- Plastics welding – characterisation, testing and simulation

www.ikv-colloquium.com
www.ikv-aachen.de

About IKV
IKV, the Institute of Plastics Processing at RWTH Aachen University, is Europe-wide the leading research and education institute engaged in the field of plastics processing enjoying outstanding reputation. More than 300 staff are employed in finding solutions to problems connected with processing, materials technology and part design in the plastics and rubber industries. IKV's close contacts with industry and science, together with its outstanding facilities, enable cutting-edge research in plastics technology and ensure that students benefit from a comprehensive, practically oriented course of study. Plastics engineering graduates from IKV are thus sought-after experts in industry. In organisational terms, IKV is divided up into the four specialist departments of Injection Moulding, Extrusion and Rubber Technology, Part Design and Materials Technology, and Composites and Polyurethane Technology. The institute also takes in the Centre for Analysis and Testing of Plastics, and the Training and Further Education department. IKV is run by an Association of Sponsors, which currently has a membership of about 290 plastics companies from all over the world. Univ.-Prof. Dr.-Ing. Christian Hopmann is Head of the Institute and Managing Director of the Association of Sponsors. He also holds the Chair of Plastics Processing at the Faculty of Mechanical Engineering at RWTH Aachen University.

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IKV Colloquium in the Eurogress Aachen (photo: IKV/Fröls)

Photo in high resolution to find on our website together with the press release at www.ikv-aachen.de/en/news