



PRESS RELEASE

26th IKV Colloquium – Integrative Plastics Technology IKV invites the plastics sector to Aachen on March 7 and 8, 2012

The 26th IKV International Plastics Technology Colloquium will take place on March 7 and 8, 2012 at the Eurogress in Aachen. Under the motto "Integrative Plastics Technology", the Institute of Plastics Processing (IKV) will invite experts from the world's plastics industry to Aachen for this key event. In 2010 more than 500 experts and 40 exhibitors attended the event. The host for the first time will be Professor Christian Hopmann, who took over as head of the Institute from Professor Walter Michaeli in April 2011.

"Integrative Plastics Technology" represents a combined approach to product development and processing processes. It covers integrative simulation from the determination of material data and the simulation of all process steps to the prediction of part properties. It also covers new processing processes and functional integration by means of multi-material systems, integrated coatings and surface structures. It also includes new filler systems and the integration of production-related quality assurance. Integrative plastics technology is also an important part of the Aachen Cluster of Excellence "Integrative Production Technology for High-Wage Countries".

The IKV's scientific assistants will highlight the complexity of integrative plastics technology in 14 sessions and more than 40 presentations. They will show their research results from the fields of injection moulding, extrusion and further processing, rubber technology, part design and materials technology, composites and PU technology. Acknowledged experts from industry will serve as moderators for each topic and will provide an introductory statement from the industry's viewpoint.

In four workshops, a selection of topical subjects will be discussed with representatives from the plastics industry. The workshops will cover such topics as predicting the service life of plastic products, production site and portfolio strategies, high-performance precision tools for medical technology and the lightweight construction potential of fibre-reinforced plastics in automotive design.

In the accompanying trade show, exhibitors from the plastics sector and their suppliers will showcase their innovative products, processes and services. An integral part of the agenda will be a visit to the IKV technical laboratories and the well-proven evening event.

The Colloquium topics

- Injection moulding special processes – improved reliability and part quality
- Simulation along the extrusion process chain
- Integration of functions and cost reduction through multi-material systems
- Innovative film concepts
- PU – tailor-made processes
- Elastomer technology – fresh approaches to compounding and injection moulding
- Optimised moulds for series production
- Biomaterials – compounds, composites, recycling



- Material- and load-oriented structural simulation
- Nano-composites as matrix materials
- Added value through integrative simulation
- Precision optics – new process techniques
- Quality assurance – new measuring processes for reliable production
- Damage behaviour of plastics in long-term use

The presentations, discussions and workshops will be interpreted simultaneously into English.

Further information at www.ikv-colloquium.com

About IKV

IKV, the Institute of Plastics Processing at RWTH Aachen University, is Europe-wide the biggest research and education institute engaged in the field of plastics processing. 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, ensure that students benefit from a comprehensive, practically oriented course of study. Plastics engineering graduates from IKV are thus sought-after experts in industry. Around 50 percent of German plastics engineers with a university degree have received their education at IKV. In organisational terms, IKV is divided up into the four specialist departments of Injection Moulding and PU Technology, Extrusion and Further Processing, Part Design and Materials Technology, and Composites. The Institute also takes in the Centre for Analysis and Testing of Plastics, and the Training and Further Education department. It is run by an Association of Sponsors, which currently has a membership of about 250 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.



More than 500 experts met at the IKV Colloquium in 2010 (Photo: Brixius/IKV)

Contact:

Institute of Plastics Processing (IKV)
at RWTH Aachen University
Ulla Köhne

Institute of Plastics Processing (IKV)
at RWTH Aachen University
Markus Bau



Public Relations
Pontstr. 49
52062 Aachen
Tel. +49 241 80-93672
Fax +49 241 80-92660
koehne@ikv.rwth-aachen.de
www.ikv-aachen.de

Head of Public Relations
Pontstr. 49
52062 Aachen
Tel. +49 241 80-96631
Fax +49 241 80-92660
bau@ikv.rwth-aachen.de
www.ikv-aachen.de