NEWS RELEASE

Melt-based processes in additive manufacturing

IKV Conference on 5 - 6 June 2019 in Aachen

Aachen, April 2019 – There is probably no other technology that has undergone such rapid development in the last few years as additive manufacturing. The dynamic of the market is characterised by many process innovations and new plant technologies. On 5 - 6 June 2019, IKV, the Institute for Plastics Processing in Industry and Craft at RWTH Aachen University will hold a conference on additive manufacturing in Aachen, with the focus on melt-based processes. The event will be chaired by Dr. Wolfgang Meyer, Technical Development Manager in the Pre-Series Centre, New Technologies and Innovation Management, at Volkswagen AG in Wolfsburg.

Originally, additive manufacturing was only used for prototyping, but today it is also possible to produce structural components from engineering plastics cost-efficiently using additive manufacturing. The plant and process design still poses a big challenge. Due to the high degree of geometrical freedom and the new demands on the plastic resulting from the process control, fresh approaches are necessary for tailored, production-oriented part design and material selection. Current research therefore includes, among other things, the software-supported development of new material and structural-mechanical models especially for additive manufacturing.

Consequently, the IKV Conference will focus on the following main topics: materials technology, process development, part design, modelling and industrialisation of additive manufacturing. 18 presentations from industry and science will feature the latest developments affecting these topics. The speakers from industry will be from Arburg, BigRep, BMW, DuPont, e-Xstream Engineering, Fillamentum Manufacturing Czech, Hage Sondermaschinenbau, Igus, Lehmann & Voss, Procter & Gamble, Stratasys, Ultimaker, Volkswagen and Yizumi Germany. Science will contribute three papers from IKV and one from the Institute for Machine Elements and Systems Engineering of RWTH Aachen University.

In addition, the program will include a tour of the additive manufacturing laboratories and a visit to selected IKV pilot plants. IKV extends a warm welcome to attend this conference. The presentations, the tour of the laboratories and the get-together in the IKV pilot plants offer an excellent opportunity for a lively exchange of views and experiences with experts from science and research, also for discussing the full potential of additive manufacturing.

www.ikv-aachen.de/fachtagung-additive-fertigung

About IKV

IKV - the Institute for 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

Institut für Kunststoffverarbeitung (IKV) in Industrie und Handwerk an der RWTH Aachen ▪ Prof. Dr.-Ing. Christian Hopmann
Seffenter Weg 201 ▪ 52074 Aachen ▪ Germany ▪ Telefon +49 241 80-93806 ▪ Telefax +49 241 80-92262
E-Mail: zentrale@ikv.rwth-aachen.de ▪ www.ikv-aachen.de

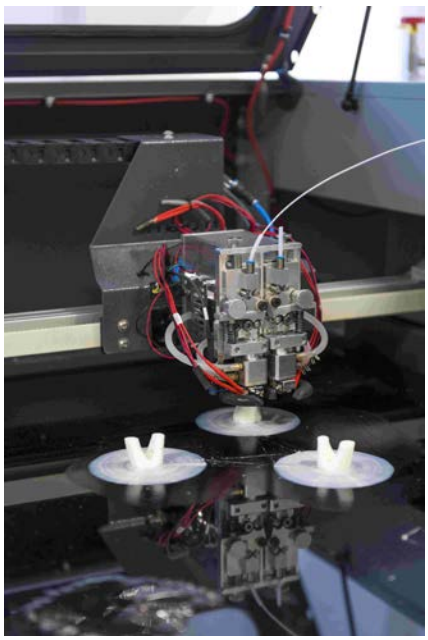
are employed in finding solutions to problems connected with processing, materials technology and part design in the plastics and rubber industries. IKV's close contacts with industry and science, together with its outstanding facilities, enable cutting-edge research in plastics technology and ensure 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 300 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.

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

We would appreciate a sample copy of any reprints.

Contact:
Institut für Kunststoffverarbeitung (IKV) in Industrie und Handwerk an der RWTH Aachen
Lukas Pelzer, M.Sc.
Additive manufacturing | CAE
Seffenter Weg 201
52074 Aachen, Germany
Phone: +49 241 80-28321
Fax: +49 241 80-92262
lukas.pelzer@ikv.rwth-aachen.de

Press contact:
Institut für Kunststoffverarbeitung (IKV) at RWTH Aachen University
Ulla Köhne
Head of public relations
Seffenter Weg 201
52074 Aachen, Germany
Phone: +49 241 80-96631
Fax: +49 241 80-92660
ulla.koehne@ikv.rwth-aachen.de



(Photo: IKV/Fröls)