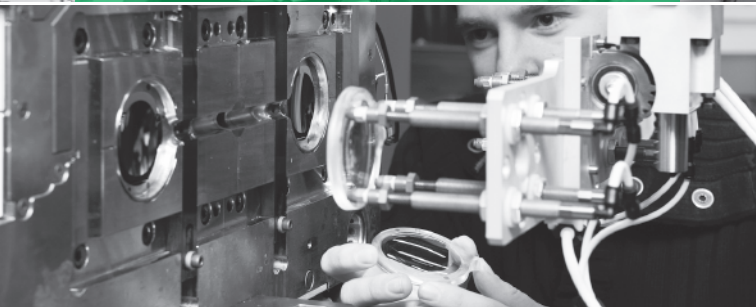


March 15 - 16, 2017 | Aachen · Germany

International Injection Moulding Conference



Welcome



Ladies and Gentlemen,

On behalf of the Institute of Plastics Processing (IKV) in Industry and the Skilled Crafts at RWTH Aachen University I cordially invite you to the third "International Injection Moulding Conference" (IIMC) which is being held in Aachen on March 15th - 16th, 2017.

Since its initiation in 2014, the IIMC is already running up the third edition. This international event has proved a great success both as a forum for technological innovations in injection moulding and as an international network platform. IIMC 2017 will focus on the main challenges facing the injection moulding industry.

Having to cope with weight reduction for automotive applications, ambitious material demands in electronics, and stringent requirements on cleanliness in medical engineering, injection moulding continues to be a highly innovative and adaptable technology. Against this background, new approaches for the enhancement of production efficiency and cutting-edge developments in digitised production will be reflected in the talks given by the invited top-level experts during the IIMC 2017.

The IIMC offers a global networking opportunity for all companies involved in injection moulding as brand owners, OEM, processors, machine producers and raw material suppliers.

We look forward to welcoming you in Aachen.

Sincerely yours,

Prof. Dr.-Ing. Ch. Hopmann

■ The organiser IKV

IKV, the Institute of Plastics Processing in Industry and the Skilled Crafts at RWTH Aachen University, with over 300 staff, is the leading research and training institute in the field of plastics technology in Europe. IKV's close cooperation 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.

Head of the Institute is Univ.-Prof. Dr.-Ing. Christian Hopmann, who also holds the Chair of Plastics Processing at RWTH Aachen University.

Institute of Plastics Processing (IKV)
in Industry and the Skilled Crafts at RWTH Aachen University
Prof. Dr.-Ing. Christian Hopmann
Postal address: Seffenter Weg 201, 52074 Aachen, Germany

More information: www.ikv-aachen.com

About the IIMC



■ Main topics

- Cutting-edge developments in injection moulding engineering and process technology
- Innovative approaches for the enhancement of production efficiency
- Impact of digitisation on tomorrow's production
- Technological success stories from development to production in automotive, electrical and medical applications

The conference language is English.

■ Target audience

The conference addresses international executives and senior experts in design, development, part and mould construction, application engineering, production and quality assurance.



©Jörg Hempel/ats

■ Social programme

The social programme of the International Injection Moulding Conference is the ideal opportunity for you to network with experts from the entire industry, renew professional relationships and make new business contacts.

On **Tuesday, March 14th, 2017**, we cordially invite you to attend our **before-conference get-together** that will take place at the conference venue Hotel Pullman Quellenhof Aachen in the exhibition court, starting at 7 pm. During the get-together you will have the opportunity to make the acquaintance of other participants. You are also welcome to check out the exhibition in a relaxed atmosphere accompanied by Prof. Dr.-Ing. Ch. Hopmann.
(Dress code: business casual)

On **Wednesday, March 15th, 2017**, the IKV offers you the opportunity to visit the IKV pilot plants and laboratories on the research live tour. There you will learn more about the current state of research and development in plastics processing. You will get a deep insight in IKV's newest technologies.

Schedule

- 15.15 - 18.00 Research live tour
- 18.30 - 19.30 Guided tour of the historical Town Hall of Aachen
- starting 20.00 Welcome to the conference dinner

Looking forward to seeing you all there!



▪ **Tuesday, March 14th, 2017**

19.00 **Get-together at the conference eve,
which will take place in the exhibition court**

▪ **Wednesday, March 15th, 2017**

9.00 **Welcome**

Prof. Dr.-Ing. Christian Hopmann
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

Dipl.-Ing. Markus Lüling
Chairman of IIMC
K-PROFI, Kunststoff-Profi Verlag GmbH & Co. KG,
Bad Homburg (Germany)

9.20 **Strategy for an innovative plastics technology –
How Industry 4.0 enables new markets**

Prof. Dr.-Ing. Christian Hopmann
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

10.05 **Optics made of plastics for innovative Human-Machine-Interfaces**

Requested
Microsoft Corp., Redmond, Washington (USA)

10.50 Coffee break

11.15 **Short development cycles enabled by simulation
supported implementation methods**

Dipl.-Ing. Florian Petzold
OSRAM GmbH, Herbrechtingen (Germany)

12.00 **Manufacturing of Optically Transparent Composites and
Its Future Applications**

Chris Minn, Ph.D.
LG Electronics Inc., Pyeongtaek, Gyeonggi-do (Republic of Korea)

12.45 Lunch break

13.45 **Demands on production-related IT in a modern injection
moulding shop-floor**

Dipl.-Ing. Axel Reißmann
IOS Gesellschaft für innovative Optimiersoftware mbH,
Würselen (Germany)

14.30 **Integrated production of customised lightweight parts**

Dipl.-Ing. Matthias Theunissen
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)



15.15 **Research live tour – Technical centre tour at the IKV injection
- 18.00 moulding and fibre reinforced plastics pilot plants**

18.30 **Social programme and gala conference dinner**

▪ **Thursday, March 16th, 2017**

9.00 **Welcome**

Dipl.-Ing. Markus Lüling
Chairman of IIMC

9.15 **The effect of using active gates on improving the surface
aesthetics of large body panels**

Ruud Heerkens
Sabic Innovative Plastics B.V., Bergen op Zoom (The Netherlands)

10.00 **Intelligent assistance systems for multiple gates to improve
process stability and surface quality**

Dipl.-Ing. Wolfgang Kienzl
ENGEL AUSTRIA GmbH, Schwertberg (Austria)

10.45 Coffee break

11.15 **Fluid Injection Technique (FIT) for automotive parts requiring
high temperature resistance**

Masatomi Sato
Sanoh Industrial Co., Tokyo (Japan)

12.00 **Moulded LSR optics in innovative headlamp systems**

Dipl.-Ing. Tilman Maucher
HELLA KGaA Hueck & Co., Lippstadt (Germany)

12.45 Lunch break

13.45 **Integrated prepreg draping and functionalization processes
in injection moulding simulation**

Cristoph Hinse
SimpaTec GmbH, Aachen (Germany)

14.30 **Challenges and approaches in simulation of long fibre
reinforced thermoplastics**

Maiko Ersch, M.Sc. RWTH
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

15.15 **Concluding remarks and farewell**

Prof. Dr.-Ing. Christian Hopmann
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

15.30 **End of conference**



■ Registration

Many thanks for your registration for the International Injection Moulding Conference (IIMC). Please use www.iimc-aachen.com for registration.

If you have any questions regarding your registration please contact
Sigrid Hillebrand, M.A., Phone: +49 241 80-93877
E-mail: sigrid.hillebrand@ikv.rwth-aachen.de

■ Exhibition

As participating exhibitor at the IIMC you will have a unique and direct access to experts and technical specialists in the field of injection moulding including machine manufacturers and mould makers, material suppliers and processors from different branches. Furthermore, the exhibition offers you extraordinary possibilities for a short company presentation and is an ideal venue to expand your contacts in this industry in a professional surrounding. Do not miss the unique opportunity and book your exhibition and presentation space at the IIMC immediately! Your requests regarding the exhibition answers

Sigrid Hillebrand M.A., Phone: +49 241 80-93877
E-mail: sigrid.hillebrand@ikv.rwth-aachen.de

■ Conference city: Aachen

Besides being the favoured residence of Charlemagne (Karl der Große), Aachen became the place for coronations of German Kings. Around the year 800, Charlemagne built a monumental and complex palace in Aachen which, after his coronation in Rome, became the designated centre of imperial power. Today, the Town Hall is still the place where politics are made. Take the chance and visit the impressive Town Hall of Aachen with us.

Aachen has a long tradition of science and research. RWTH Aachen University and the Aachen University of Applied Sciences are responsible for the education of more than 57,000 students, thus the city is permeated with a young and exciting spirit. Today the Institute of Plastics Processing (IKV) is part of the RWTH Aachen Campus Melaten. The Campus Melaten significantly influences the research competences available at RWTH Aachen University. It creates a unique symbiosis of science and economics, where experts research specifically defined and multidisciplinary relevant topics.

Chairman and speakers



Prof. Dr.-Ing. Christian Hopmann

Head of the Institute
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)



Dipl.-Ing. Markus Lüling

Chairman of IIMC
Chief Editor of K-PROFI, Kunststoff-Profi Verlag
GmbH & Co. KG, Bad Homburg (Germany)



Maiko Ersch, M.Sc. RWTH

Part design | CAE | Materials technology
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)



Ruud Heerkens

Senior Processing Technologist
Sabic Innovative Plastics B.V.,
Bergen op Zoom (The Netherlands)



Cristoph Hinse

General Manager
SimpTec GmbH, Aachen (Germany)



Dipl.-Ing Wolfgang Kienzl

Technology Specialist Foamed injection moulding &
Automotive interior surfaces
ENGEL AUSTRIA GmbH, Schwertberg (Austria)

Requested

Microsoft Corp.
Redmond, Washington (USA)



Dipl.-Ing. Tilman Maucher

Development Lighting – Technology Modules
HELLA KGaA Hueck & Co., Lippstadt (Germany)



Chris Minn, Ph.D.

Research Fellow / Team Leader
LG Electronics Inc.,
Pyeongtaek, Gyeonggi-do (Republic of Korea)

Chairman and speakers



Dipl.-Ing. Florian Petzold
Head of Technical Center Molding
OSRAM GmbH, Herbrechtingen (Germany)



Dipl.-Ing. Axel Reißmann
Sales
IOS Gesellschaft für innovative Optimiersoftware mbH,
Würselen (Germany)



Masatomi Sato
Director of Sanoh Europe
Sanoh Industrial Co., Tokyo (Japan)



Dipl.-Ing Matthias Theunissen,
Head of Department Injection Moulding
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

Conference venue



Hotel Pullman Aachen · Quellenhof

Monheimsallee 52, 52062 Aachen (Germany)

Parking

There are several parking places in and around the conference venue.

Event notes



Programme, registration and further information: www.iimc-aachen.com

■ **Organiser/Host**

Institute of Plastics Processing (IKV) in Industry and the Skilled Crafts
at RWTH Aachen University
Prof. Dr.-Ing. Christian Hopmann
Postal address: Seffenter Weg 201, 52074 Aachen, Germany

■ **Contact**

Sigrid Hillebrand M.A.
Telephone: +49 241 80-93877
E-mail: academy@ikv.rwth-aachen.de

■ **Event venue**

Hotel Pullman Aachen Quellenhof
Monheimsallee 52
52062 Aachen, Germany
Telephone: +49 241 9132-0

■ **Attendance fee**

The attendance fee is EUR 1,235 for non-members of the IKV Sponsors' Association, and EUR 1,035 for members. The fee includes the right to attend the conference programme, the exhibition, the conference proceedings, city tour, gala dinner, IKV tour, lunch and drinks during the breaks. Bank and transfer charges are to be paid by the participants.

■ **Registration**

Please use the registration form, which you can detach from the last page and send it back via fax or e-mail. A separate application form should be used for each applicant. IKV sends additional conference programmes on request.

The easiest way to register is online at www.iimc-aachen.com

■ **Room reservation**

IKV recommends the conference hotel Pullman Aachen Quellenhof for accommodation. IKV placed a hold on a limited contingent of rooms in this hotel (key word: IIMC). This contingent is available until February, 1st, 2017.

For any other hotel, please contact the Aachen Tourist Service e.V.

www.aachen-tourist.de, Telephone: +49 241 18029-50,

Fax: +49 241 18029-30, E-mail: booking@aachen-tourist.de

■ **Conference proceedings**

The conference proceedings will be distributed at the beginning of the conference.

■ **Data protection**

In accordance with the German Data Protection Act, we would like to point out that we will keep your address in a database and process it with the help of automatic processes.

■ **Cancellations**

Please send any cancellations in a written form to IKV. If the cancellation is made by February 28th, 2017, we will refund the full paid-up sum reduced by a processing charge of EUR 70. In the event of a cancellation after this date, the full attendance fee must be paid, and we will send you the conference proceedings. IKV reserves the right to cancel the event. If this happens, the whole attendance fee will be refunded. The Institute will not be responsible for other obligations over and beyond this.