INSTITUT FÜR KUNSTSTOFFVERARBEITUNG
IN INDUSTRIE UND HANDWERK AN DER RWTH AACHEN

September 30 - October 1, 2015 | Aachen · Germany

International Injection Moulding Conference

www.iimc-aachen.com
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 second “International Injection Moulding Conference” (IIMC) which is being held in Aachen on September 30 and October 1, 2015.

The large number of visitors with more than 60 percent from abroad and the positive feedback from the delegates are proof of the success of the first IIMC which took place in December 2014. With more than 100 experts from 15 nations including Europe, America, Asia and Australia, the conference underlined its international importance.

In 2015 the second IIMC will focus on cutting-edge developments to improve the injection moulding efficiency, which is very much supported by the increased implementation of cyber-physical production systems (CPPS). Prospectively, CPPS will enable companies to make an integrative evaluation of products, processes and production systems. The invited top level experts will address major developments in the areas of machine technology, process technology as well as part and process simulation.

The IIMC offers a global networking opportunity for all companies involved in injection moulding as brand owners, OEM, converters, 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, in combination with its outstanding facilities, enable innovative 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: Pontstr. 49, 52062 Aachen, Germany

More information: www.ikv-aachen.com
Main topics
- Cutting-edge developments in injection moulding machine and process technology
- Increase of injection moulding efficiency by means of cyber-physical production systems (CPPS)
- Reduction of life cycle costs using part and process simulation

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.

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 partners.

On Tuesday, September 29, 2015, 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.

On Wednesday, September 30, 2015, the IKV offers you the opportunity to visit the IKV cutting-edge equipment and technology in IKV pilot plants and laboratories on the research live tour. Learn more about the current state of research and development in plastics.

Schedule
- 15.15 - 17.00 Research live tour
- 18.30 - 19.30 Exclusive tourist tour in the Aachen Cathedral (Kaiserdom)
- starting 20.00 Welcome to the conference dinner

Looking forward to seeing you all there!
Tuesday, September 29, 2015

19.00 Get-together

Wednesday, September 30, 2015

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

Session I - Cyber-physical production systems (CPPS)
in injection moulding

9.15 Cyber-physical production systems (CPPS) in injection moulding –
smart solutions for tomorrow’s production
Prof. Dr.-Ing. Christian Hopmann
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

9.55 Individualising plastic parts in large series production –
combining IM and AM in a fully digitised process chain
Dipl.-Ing. Heinz Gaub, M.Sc.
ARBURG GmbH + Co KG, Lößburg (Germany)

10.35 Coffee break

11.15 Automatic virtual and real injection moulding optimisation
and supervision
Dr.-Ing. Paul F. Filz
simcon kunststofftechnische Software GmbH, Würselen (Germany)

Session II - Injection moulding machine technology

11.55 Development of all-electric injection moulding machines and
further potential for increase in efficiency
Dr.-Eng. Toru Hirata
Sumitomo Heavy Industries Ltd., Kanagawa (Japan)

12.35 Lunch break

13.45 The evolution of hydraulic drives – essentials for future
success of injection moulding technology
Prof. h.c.mult. Helmar Franz
Haitian International Holding Limited, Ningbo (China)

14.25 Determination of the right changeover point for each shot
by means of an adaptive process control
Dipl.-Ing (FH) Hans Malinowski
KraussMaffei Technologies GmbH, Munich (Germany)

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

15.15 Research live –
-17.00 technical centre tour at the IKV pilot plants
18.30 Social programme and gala conference dinner
Thursday, October 1, 2015

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

Session III • Process technology

9.10 Automation and flexibility demonstrated with the manufacturing of instrument panels
Dr.-Ing. Oliver Becker, Johnson Controls Interiors Management Germany Limited & Co. KG, Neuss (Germany)

9.50 Foaming of long glass fibre reinforced plastics – a new approach for lightweight solutions
Angel Yanev, Ph.D, SABIC, Riyadh (Saudi Arabia)

10.30 Coffee break

11.15 Integrated metal/plastics injection moulding – an efficient multi material process for electrical applications
Philipp Ochotta, M.Sc.
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

11.55 The symbiosis of measuring technology and injection moulding – a scientific approach
Rod Groleau, B.Eng., MAB, RJG Inc., Traverse City, MI (USA)

12.35 Lunch break

Session IV • Process and part simulation

13.30 New technology for surface improvement, weight & clamping force reduction
Dr. Roberto Fagarazzi
HRSflow Italy, San Polo di Piave (Italy)

14.10 Towards a precise simulation of effective material properties in injection moulded parts taking into account inhomogeneous microstructures
Marcel Spekowius, M.Sc.
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

14.50 Coffee break

15.30 Simulation of the nucleation and cell growth phase in the foam injection moulding process
Fabien Buchy, Simpatec SARL, Guebwiller (France)

16.10 Simulation of plastic parts considering material and production specific boundary conditions
Dr.-Ing. Volker Gorzelitz
M.TEC Ingenieurgesellschaft für kunststofftechnische Produktentwicklung mbH, Herzogenrath (Germany)

16.50 Concluding remarks and farewell
Prof. Dr.-Ing. Christian Hopmann
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

17.00 End of conference
**International Injection Moulding Conference**

**September 30 - October 1, 2015**

**Programme, information, registration:**
Sigrid Hillebrand M.A., Telefax: +49 (0) 241 80-92811  
E-mail: academy@ikv.rwth-aachen.de

Our company is member of the association of sponsors of the IKV

☐ yes  ☐ no  ☐ unknown

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These details are also included in the list of participants which is distributed to all participants. For further participants use a copy of the registration card or download this registration from [www.iimc-aachen.com](http://www.iimc-aachen.com)
Registration

Many thanks for your registration for the International Injection Moulding Conference (IIMC). To accommodate the wishes of our customers, you can register at www.iimc-aachen.com/registration

Should you have any questions regarding your registration please contact Sigrid Hillebrand, M.A. Phone: +49 (0) 241 80-93877
E-mail: sigrid.hillebrand@ikv.rwth-aachen.de

Exhibition

As participating exhibitor at the IIMC you will have an unique and direct access to experts and technical specialists in the field of injection moulding including machine and mould producers, material suppliers and converters 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 immediately your exhibition and presentation space at the IIMC! Your requests regarding the exhibition answers
Sigrid Hillebrand M.A., Phone: +49 (0) 241 80-93877
E-mail: sigrid.hillebrand@ikv.rwth-aachen.de

Conference city: Aachen

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 53,000 students, which means that the city is permeated with a young and exciting spirit, especially in the Pontstraße, the headquarter of IKV, and in the old town of Aachen. Besides being the favoured residence of Charlemagne (Karl der Große) Aachen later became the place for coronations of German kings. Take the chance and visit with us the Aachen Cathedral (Kaiserdom), which is the oldest cathedral in northern Europe. See the Throne of Charlemagne and experience this venerable atmosphere.

Nowadays more than 250,000 people live in the city of Aachen and more than a million live in the surrounding commuter belt, the so-called Euregio Maas Rhein, which contains parts of Belgium, Germany and the Netherlands.
Dipl.-Ing. Heinz Gaub, M. Sc.
Managing Director Technology & Engineering
ARBURG GmbH + Co KG, Loßburg (Germany)

Heinz Gaub studied at the Technische Universität Berlin, Germany and at the MIT, USA. He has gained experience among others in the executive board at the DIN-Group in Berlin as well as an independent industry expert for a number of German and international private equity companies. He joined ARBURG in 2013.

Chairmen

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

Christian Hopmann was Chief Engineer of the IKV before he started his industrial career at RKW SE in 2005. From 2010 to 2011 he was Managing Director of RKW Sweden AB. Since April 2011 Hopmann has been Head of the IKV and Managing Director of the IKV’s Association of Sponsors.

Session · Injection moulding machine technology

Dipl.-Ing. Heinz Gaub, M. Sc.
Managing Director Technology & Engineering
ARBURG GmbH + Co KG, Loßburg (Germany)

Session · Process technology

Dr.-Ing. Oliver Becker
Executive Director Process Innovation
Johnson Controls Interiors Management Germany Limited & Co. KG, Neuss, (Germany)

Oliver Becker conducted his doctoral dissertation at the Ohio State University, Columbus, USA and at RWTH Aachen University. After managing several positions at Johnson Controls he became Executive Director Process Innovation in 2014.

Session · Process and part simulation

Dr.-Ing. Volker Gorzelitz
Managing Director
M.TEC Ingenieurgesellschaft für kunststofftechnische Produktentwicklung mbH, Herzogenrath (Germany)

Volker Gorzelitz worked five years as an engineering scientist at the Institute for Steam and Gas Turbines at the RWTH Aachen and earned a doctorate in 1994. In 1993 he joined M.TEC Ingenieurgesellschaft für kunststofftechnische Produktentwicklung mbH, as Managing Director in Aachen.

www.iimc-aachen.com
Speakers

Dr.-Ing. Paul F. Filz
Managing Director
simcon kunststofftechnische Software GmbH, Würselen (Germany)

Prof. h.c.mult. Helmar Franz
Executive Director and Chief Strategy Officer
Haitian International Holding Limited, Ningbo (China)

Dr.-Eng Toru Hirata
Senior Engineer
Sumitomo Heavy Industries, Ltd., Technology Research Center, Kanagawa (Japan)

Angel Yanev, Ph.D
Moulding and Processing Specialist
SABIC (Saudi Basic Industries Corporation), Riyadh (Saudi Arabia)

Philipp Ochotta, M.Sc.
Multi-component technology
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

Rod Groleau, B.Eng., MBA
Founder and consultant
RJG Inc., Traverse City, MI (USA)

Dr. Roberto Fagarazzi
Business Unit Manager for Lighting and Glazing Division
HRSflow Italy, San Polo di Piave (Italy)

Marcel Spekowius, M.Sc.
Team leader: Materials technology
Institute of Plastics Processing (IKV) at RWTH Aachen (Germany)

Fabien Buchy
Managing Director
SimpaTec SARL, Guebwiller (France)

Dipl.-Ing (FH) Hans Malinowski
Product Manager Injection Molding
KraussMaffei Technologies GmbH, Munich (Germany)
Programme, registration and further information: www.iimc-aachen.com

Organiser/Host
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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 will be pleased to send you 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 for limited contingent of rooms in this hotel (key word: IIMC) This contingent is limited and ends on August 21, 2015. For any other hotel, please contact the Aachen Tourist Service e.V. www.aachen-tourist.de, Telephone: +49 (0) 241 18029-50 or -51, Fax: +49 (0) 241 18029-30, e-mail: incoming@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 writing to IKV. If the cancellation is made by September 16, 2015, we will refund the full paid-up sum less 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 attendance fees will be refunded in full. The Institute will not be responsible for other obligations over and beyond this.