

31st International Colloquium Plastics Technology



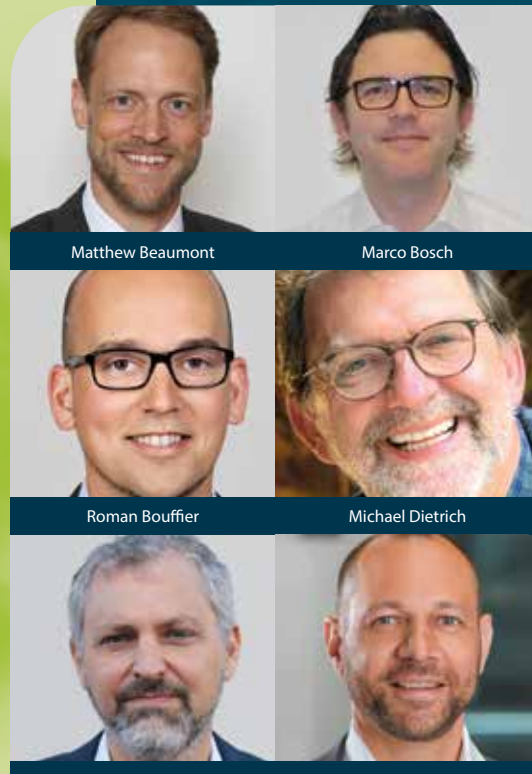
- 800 participants
- Keynotes by experts from leading companies in the plastics industry
- Plenary lectures on cutting-edge topics like circular economy and hydrogen technology
- Large industry trade show
- Research live in the IKV's technical centers and labs during IKV 360°
- Networking at the get-together and the „Beer Colloquium“ evening event

Professional exchange with plastics experts, new impulses for your company and enriching encounters in Aachen – this is what you can expect from 7–8 September 2022 at the 31st International Colloquium Plastics Technology. 4 plenary lectures and 15 lecture sessions will give you the opportunity to experience the wide range of plastics technology topics gathered from industry and science. Bring your company up to speed on the latest marketable technology developments at the accompanying industry trade show. In addition, visit IKV's technical centres and laboratories and benefit from practical research results for your own development. Come and talk, discover and discuss new trends and technologies. Be part of this most vibrant forum of the plastics industry!

Information, impulses and perspectives by experts from industry and science

Everything about the industry trade show: www.ikv-aachen.de/industry-trade-show

Dr. Matthew Beaumont | Siemens AG | Head of Materials Design & Manufacturing Technologies
 Dr. Marco Bosch | BASF SE | Head of Carbon Management and Upstream Technologies
 Dr.-Ing. Roman Bouffier | KAUTEX TEXTRON GmbH & Co. KG | Director Research
 Dipl.-Ing. Michael Dietrich | Wegener International GmbH | Technical Managing Director
 Dr.-Ing. Marc Linus Fecher | Mubea Carbo Tech GmbH | Head of Development Process Technology
 Dr.-Ing. Björn Fink | Roche Deutschland Holding GmbH | Head of Packaging Engineering
 Dr.-Ing. Kai Fischer | IKV | Scientific director
 Dr.-Ing. Markus Hesse | HF Mixing Group | Head of R&D
 Montgomery Jaritz, M.Sc. | IonKraft | Co-Founder
 Manfred Keuters | tetys GmbH & Co. KG | Managing director
 Dr. rer. nat. Ulrich Kückelmann | INTERSEROH Dienstleistungs GmbH | Business Development Manager
 Thorsten Kühmann | VDMA | General Manager, Plastics and Rubber Machinery
 Dr. Wolfgang Meyer | Volkswagen AG | Head of central function and innovations
 Dr. rer. nat. Andreas Peine | W. Köpp GmbH & Co. KG | Business Development Representative
 Prof. Dr.-Ing. Peter Georg Quicker | RWTH Aachen | Teaching and research area Technology of energy raw materials
 Dr.-Ing. Micha Scharf | PHOENIX CONTACT Deutschland GmbH | Head of Plastics Processing
 Dipl.-Ing. Arne Schmidt | Röhm GmbH | Head of Technical Marketing Automotive
 Dr.-Ing. Jörg Strohäcker | Hexagon Purus GmbH | Director R&D
 Dr.-Ing. Thomas Walther | ARBURG GmbH + Co KG | Head of Application & Process Development



Also take the opportunity to attend the **2nd International Symposium on Plastics Technology**: an inspiring forum for scientists and professionals to explore innovative highlights of polymer research from all parts of the world. Benefit from the combined ticket!

2nd+ International SYMPOSIUM on Plastics Technology
5–6 September 2022

The Colloquium at a glance

Tuesday, 6 September 2022

17.30 **Get-together**
Exhibition opening, early registration

Wednesday, 7 September 2022

8.15 **Registration**
 9.00 **Welcome** | Prof. Dr.-Ing. Christian Hopmann | IKV
PLENARY LECTURE | Plastics and hydrogen technology | Dr.-Ing. Kai Fischer, IKV
PLENARY LECTURE | Recent Trends of Hydrogen in the Chemical Industry | Dr. Marco Bosch, BASF SE
 10.30 **Coffee break, exhibition**
 11.00 **Presentation of the Georg Menges Prize**
 11.30 **SESSION 1** | Recyclable barrier systems for sustainable products | Montgomery Jaritz, M.Sc., IonKraft | Philipp Alizadeh, M.Sc., IKV | Lara Kleines, M.Sc., IKV
SESSION 2 | Towards autonomous injection moulding production | Dr.-Ing. Micha Scharf, PHOENIX CONTACT Deutschland GmbH | Yannik Lockner, M.Sc., IKV | Patrick Sapel, M.Sc., IKV
SESSION 3 | Improved understanding of processes and materials in foaming | Dr. rer. nat. Andreas Peine, W. Köpp GmbH & Co. KG | Nicolas Reinhardt, M.Sc., IKV | Marius Stieglitz, M.Sc., IKV
 12.30 **Lunch break, exhibition**
 13.45 **SESSION 4** | Control of material flows in packaging recycling | Dr. rer. nat. Ulrich Kückelmann, Interseroh Dienstleistungs GmbH | Tobias Horn, M.Sc., IKV | Elena Berg, M.Sc., IKV
SESSION 5 | Added value potential through digital infrastructure | Manfred Keuters, tetys GmbH & Co. KG | Pascal Bibow, M.Sc., IKV | Daniel Grüber, M.Sc., IKV
SESSION 6 | Mixing and flow processes in rubber processing | Dr.-Ing. Markus Hesse, HF Mixing Group | Fabian Fey, M.Sc., IKV | Melanie Kostka, M.Sc., IKV
 14.45 **Coffee break, exhibition**
 15.15 **IKV 360° – Research live in the IKV pilot plants**
 19.00 **„Beer Colloquium“ evening event**

All lectures with simultaneous translation!

Thursday, 8 September 2022

9.00 **PLENARY LECTURE** | Chemical recycling – The solution to plastic waste? | Prof. Dr.-Ing. Peter Georg Quicker, RWTH Aachen University
 9.45 **Presentation of the Reifenhäuser Sponsorship Award**
 10.00 **Coffee break, exhibition**
 10.30 **SESSION 7** | Production and operation of hydrogen pressure vessels | Dr.-Ing. Jörg Strohäcker, Hexagon Group | Robert Müller, M.Sc., IKV | Dipl.-Ing. Thomas Gebhart, IKV
SESSION 8 | Production of high-precision optical lenses | Dr.-Ing. Arne Schmidt, Röhm GmbH | Daniel Fritsche, M.Sc., IKV | Jonas Gerads, M.Sc., IKV
SESSION 9 | Dimensioning methods for failure mechanisms of technical thermoplastics | Dr. Matthew Beaumont, Siemens AG | Hakan Çelik, M.Sc., IKV | Fabio Di Battista, M.Sc., IKV
 11.30 **Coffee break, exhibition**
 11.45 **SESSION 10** | Long-fibre-reinforced plastic battery housing | Dr.-Ing. Roman Bouffier | KAUTEX TEXTRON GmbH & Co. KG | Frederik Block, M.Sc., IKV | Jonas Neuhaus, M.Sc., IKV
SESSION 11 | Resilient injection moulding process control | Dr.-Ing. Thomas Walther, ARBURG GmbH + Co. KG | Thilo Köbel, M.Sc., IKV | Katharina Hornberg, M.Sc., IKV
SESSION 12 | Joining of innovative and sustainable material combinations | Dipl.-Ing. Michael Dietrich, Wegener International GmbH | Max Weihermüller, M.Sc., IKV | Jens Wipperfürth, M.Sc., IKV
 12.45 **Lunch break, exhibition**
 14.00 **SESSION 13** | Additive manufacturing of large components | Dr. Wolfgang Meyer, Volkswagen AG | Johannes Austermann, M.Sc., IKV | Lukas Pelzer, M.Sc., IKV
SESSION 14 | Development of resilient injection moulded products | Dr.-Ing. Björn Fink, Roche Deutschland Holding GmbH | Matthias Schöll, M.Sc., IKV | Pia Wagner, M.Sc., IKV
SESSION 15 | Modelling of time-scaled properties of FRP | Dr.-Ing. Marc Linus Fecher, Mubea Carbo Tech GmbH | Jonas Müller, M.Sc., IKV | Nicolas Roza Lopez, M.Sc., IKV
 15.00 **Coffee break, exhibition**
 15.15 **PLENARY LECTURE** | Plastics machinery, closed loop and climate | Thorsten Kühmann, VDMA
 16.00 **Closing remarks and farewell** | Prof. Dr.-Ing. Christian Hopmann, IKV

Tickets:

Regular:	1.350,00 EUR
Members of the IKV Association of Sponsors:	1.075,00 EUR
University staff:	490,00 EUR
Press ticket:	free
Participation in the Beer Colloquium:	85,00 EUR

Online registration and further information:

www.ikv-colloquium.com



Organizer:

IKV – Institute for Plastics Processing in Industry and Craft at RWTH Aachen University
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