

Further information:
www.ikv-colloquium.com



Organiser:

IKV – Institute for Plastics Processing in Industry and Craft
at RWTH Aachen University
Seffenter Weg 201 | 52074 Aachen, Germany

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Venue:

Eurogress Aachen
Monheimsallee 48 | 52062 Aachen
Germany



Programme

28 –29 FEBRUARY 2024 IN AACHEN

32nd International Colloquium
Plastics Technology



- 800 participants
- Keynotes by experts from leading companies in the plastics industry
- Plenary lectures on cutting-edge topics
- 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 28 – 29 February 2024 at the 32nd International Colloquium Plastics Technology. Four 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. At the industry trade show taking place alongside the event, you can present your company as a leading innovator in the field of current market technologies. 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

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

- Dr.-Ing. Martin Bussmann | Neste SE | Senior Brand Owner Manager
Prof. Dr.-Ing. Lutz Eckstein | Institute for Automotive Engineering (ika), Director | President of the VDI
Dr.-Ing. Hubert Ehbing | Covestro Deutschland AG | Head of Technology Center & Infrastructure
Frank Ehrhart | Altair Engineering GmbH | EMEA Technical Specialist – Material Engineering/Multiscale Designer
Dr. phil. Jürgen Geng | PLASMA ELECTRONIC GmbH | Physicist R&D
Dr.-Ing. Jochen Hauck | SIMONA AG | Executive Board Member (COO)
Thomas Herrmann | Herrmann Ultraschall | Chairman of the Executive Board (CEO)
Prof. Dr.-Ing. Christian Hopmann | Institute for Plastics Processing (IKV) | Director
Michael Johann | Porsche Engineering | Project Manager Body Development
Dr.-Ing. Jan-Martin Kaiser | Robert Bosch GmbH | Chief Expert & Research Group Leader
Dr.-Ing. Johannes Kilian | ENGEL AUSTRIA GmbH | Vice President Process and Application Technology
Dr.-Ing. Sebastian Kleineheismann | Forvia Hella | Head of Tooling & Design Global
Dr.-Ing. Christopher Neumann | Freudenberg Sealing Technologies | Director Global Material Development
Oil Seals Powertrain & Driveline
Dr.-Ing. Melanie Rohde-Tibitzanzl | Sumitomo (SHI) Demag Plastics Machinery GmbH | People Lead Technology
Dr.-Ing. Peter Ryzko | SÜDPACK Verpackungen GmbH & Co. KG | Manager R&D Compounding
Dr.-Ing. Stefan Seibel | Brückner Maschinenbau GmbH & Co. KG | Division Manager Development and Commissioning
Dr. oec. Carolin Vogt | IKB Deutsche Industriebank AG | Director
Dr.-Ing. Thomas Walther | ARBURG GmbH + Co. KG | Head of Application & Plastic Process Development



Martin Bussmann



Lutz Eckstein



Hubert Ehbing



Frank Ehrhart



Jürgen Geng



Jochen Hauck



Thomas Herrmann



Christian Hopmann



Michael Johann



Jan-Martin Kaiser



Johannes Kilian



Sebastian Kleineheismann



Christopher Neumann



Melanie Rohde-Tibitzanzl



Peter Ryzko



Stefan Seibel



Carolin Vogt



Thomas Walther

Tickets:

Regular:	1.395,00 EUR*
Members of the IKV Association of Sponsors:	1.150,00 EUR*
University staff:	550,00 EUR*
Press ticket:	free
Participation in the Beer Colloquium:	85,00 EUR*
* All prices plus VAT	

Online registration and
further information:
www.ikv-colloquium.com



The Colloquium at a glance

Tuesday, 27 February 2024

17.30	Get-together Exhibition opening, early registration
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Wednesday, 28 February 2024

8.15	Registration
9.00	Welcome Prof. Dr.-Ing. Christian Hopmann IKV
	PLENARY LECTURE Future Germany 2050 Prof. Dr.-Ing. Lutz Eckstein, President of VDI Institute for Automotive Engineering (ika)
	PLENARY LECTURE Sustainability and digitalisation antagonising deindustrialisation Prof. Dr.-Ing. Christian Hopmann, IKV
10.50	Presentation of the Georg Menges Prize
11.20	Coffee break, exhibition
11.50	SESSION 1 Injection moulding process technology for lightweight products Moderation: Dr.-Ing. Sebastian Kleineheismann, Forvia Hella Jan Wolters, IKV Pia Wagner, IKV
	SESSION 2 AI-based methods to boost PCR usage in plastics packagings Moderation: Dr.-Ing. Peter Ryzko, SÜDPACK Verpackungen Lukas Seifert, IKV Malte Seefeldt, IKV
	SESSION 3 Advances in ultrasonic and laser welding technology Moderation: Thomas Herrmann, Herrmann Ultraschall Patricia Fatherazi, IKV
12.50	Lunch break, exhibition
14.05	SESSION 4 New control strategies for injection moulding Moderation: Dr.-Ing. Thomas Walther, ARBURG Katharina Hornberg, IKV Matthias Schöll, IKV
	SESSION 5 Multiscale simulation of multiphase materials Moderation: Frank Ehrhart, Altair Engineering Daniel Fritzsche, IKV Noah Mentges, IKV
	SESSION 6 Material characterisation and process monitoring for polyurethanes Moderation: Dr.-Ing. Hubert Ehbing, Covestro Eduard Kremer, IKV
15.05	Coffee break, exhibition
15.35	IKV 360° – Research live in the IKV pilot plants
19.00	“Beer Colloquium“ evening event

All lectures with simultaneous translation !

Thursday, 29 February 2024

8.30	Registration
9.00	PLENARY LECTURE Plastics based on renewable resources – a universal problem solver? Dr.-Ing. Martin Bussmann, Neste SE
9.50	Presentation of the Reifenhäuser Sponsorship Award
10.00	Coffee break, exhibition
10.30	SESSION 7 Product specific process technology for injection moulding Moderation: Dr.-Ing. Johannes Kilian, ENGEL Thilo Köbel, IKV Moritz Mascher, IKV
	SESSION 8 Plasma-based barrier coatings for sustainable packaging Moderation: Dr. phil. Jürgen Geng, PLASMA ELECTRONIC Ali Cetin, IKV Philipp Alizadeh, IKV
	SESSION 9 Structural health monitoring of hydrogen pressure tanks Moderation: t.b.a. Jannick Fuchs, IKV
11.30	Coffee break, exhibition
11.40	SESSION 10 Assistance systems in injection moulding Moderation: Dr.-Ing. Melanie Rohde-Tibitzanzl, Sumitomo (SHI) Demag Yannik Lockner, IKV Matthias Schöll, IKV
	SESSION 11 Resource efficiency for rubber applications Moderation: Dr. phil. Christopher Neumann, Freudenberg Sealing Technologies Fabian Fey, IKV Richard Frohberg, IKV
	SESSION 12 Improved fatigue life prediction of fibre-reinforced products Moderation: Dr.-Ing. Jan-Martin Kaiser, Bosch Roman Schmohl, IKV Nicolas Roza Lopez, IKV
12.40	Lunch break, exhibition
14.00	SESSION 13 Challenges of PCR processing Moderation: Dr.-Ing. Stefan Seibel, Brückner Maschinenbau Elena Berg, IKV Daniel Grüber, IKV
	SESSION 14 Cost-efficient lightweight design of tape reinforced mass-production parts Moderation: Michael Johann, Porsche Engineering Martin Giersberg, IKV Timo Witte, IKV
	SESSION 15 Intelligent tools for improved design and processes in additive manufacturing Moderation: Dr.-Ing. Jochen Hauck, SIMONA Jana Sasse, IKV Tibor Fritsch, IKV
15.10	PLENARY LECTURE What is the state of Germany as an industrial location? Economic outlook and challenges Dr. oec. Carolin Vogt, IKB Deutsche Industriebank AG
15.50	Closing remarks and farewell Prof. Dr.-Ing. Christian Hopmann, IKV

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Colloquium!

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www.ikv-aachen.de/sponsoring

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