



6th IIMC – International Injection Moulding Conference

19 – 20 MARCH 2025

www.iimc-aachen.com



This conference will center around the dynamic automotive industry, delving into the prevailing challenges through the lens of injection moulding. Notably, the discussions will revolve around sustainability, digitalisation, innovative advancements in interior design, and cutting-edge technologies in structural components, presenting diverse viewpoints to unravel their complexities.

The automotive industry is currently undergoing a remarkable metamorphosis, propelled by an escalating consciousness of sustainability and the consequential shift towards electrifying vehicles. A symbiotic relationship exists between the automotive sector and the injection moulding process. Thus, the 6th International Injection Moulding

Conference (IIMC) will comprehensively address the ensuing challenges pertaining to sustainability, digitalisation, structural components, as well as the interior and exterior domains. These pivotal themes will be explored from multiple perspectives in the main sessions, while the networking breaks and accompanying exhibition of the IIMC will provide an ideal platform for engaging with automotive industry experts. By hosting the conference at the state-of-the-art premises of the Plastics Innovation Center at IKV, the IIMC seamlessly amalgamates the latest research breakthroughs with industrial advancements, forging an invaluable synergy. Additionally, get inspired by the latest innovations from the SPE automotive award, highlighting cutting-edge advancements in the field.

KEY TOPICS

- Automotive
- Sustainability
- Recycling
- Process engineering
- New process technologies
- Optical applications

TARGET AUDIENCE

This conference is specifically tailored for international managers and experts hailing from diverse fields such as design, development, parts and mould-making, application technology, production, and quality assurance within the automotive industry. Additionally, scientists and researchers are also encouraged to participate. The IIMC serves as a global networking hub, and this year, it magnifies its focus on the automotive industry. The carefully curated selection of topics and esteemed speakers fosters collaboration among stakeholders across the entire value chain, encompassing both product and technology development. The core themes are thoughtfully chosen based on real-world challenges and prevailing industry trends, providing a solid foundation for numerous stimulating discussions.



The changes in the automotive industry have an impact on mechanical engineering. Companies need to invest in new technologies to enable electric mobility, to digitalise their production and to develop new technologies for autonomous vehicles. Collaboration and flexibility are crucial to remain competitive and seize chances. Mechanical engineering faces the challenge of bringing quality and expertise to successfully manage change.

Dipl.-Ing. Thilo Stier,
AKRO-PLASTIC GmbH



Tickets

Regular: 1,490 €
Member of the IKV A. of Sponsors: 1,150 €

Present your company at the table-top exhibition

The IIMC serves as a comprehensive networking platform for companies operating in the injection moulding segment. Join us at the table-top exhibition, where abundant opportunities await to connect with international experts.

Immerse yourself in the world of injection moulding at IKV's state-of-the-art technical center, where coffee breaks, live demonstrations, and an evening event will be hosted. This unique venue sets the stage for the table-top exhibition, providing an ideal platform to showcase your company and products to a diverse audience.

AS AN EXHIBITOR, YOU'LL BENEFIT FROM A RANGE OF SERVICES:

- Exclusive pitch slots during the lecture program
- High tables, power supply, and reliable WiFi connectivity
- Dedicated space for your company's roll-up display
- Prominent company portrait (up to 1,000 characters) featuring your exhibitor logo on the IIMC website
- Display of your company brochure at the reception desk
- Visibility of your company logo in the break presentations between the lectures
- Price: €1,600 (plus VAT).



TUESDAY, 18 MARCH 2025

7.00 pm Evening Reception | Skylounge, Main Building of the RWTH Aachen University, Templergraben 55, 52062 Aachen

WEDNESDAY, 19 MARCH 2025**Opening**

8.45 am	Meet & Greet	
9.00 am	Welcome by the Institute's management	Prof. Dr.-Ing. Christian Hopmann, Institute for Plastics Processing (IKV)
9.10 am	Welcome and introduction to the topic by the Chairman of the IIMC	Thilo Stier, AKRO-PLASTIC GmbH
9.15 am	A ride into the future <ul style="list-style-type: none"> • A look at the current status and development of electromobility • Focus on market in 2024 and 2023 in retrospect • Outlook up to 2025 and upcoming years • Discussion about the future of e-mobility 	Sebastian Henßler, SH Webdienstleistungsgesellschaft mbH; Christian Walter, Walter Strategy GmbH
10.05 am	Exhibitor's pitches	Companies of the industrial exhibition
10.15 am	Coffee break and visit to the industrial exhibition	
	Session I: Challenges and solutions for optical applications	
11.00 am	Radar and Plastics – Friends or Foe	Niels Koch, AUDI AG
11.30 am	Stretching the Limits – Lighting Reimagined at Lucid	Dr. Jakob Manhart, Lucid Motors
12.00 pm	Sustainable Automotive Lighting – Possibilities and Challenges	Dr.-Ing. Odo Karger, HELLA GmbH & Co. KGaA
12.30 pm	Lunch	
	Session II: Enabling sustainability in plastic applications	
1.45 pm	Opportunities and challenges of mechanical plastics recycling for the automotive industry	Prof. Dr.-Ing. Hans-Josef Endres, Institute for Plastics Technology and Circular Economy
2.15 pm	Advanced mechanical sorting to enable closed-loop recycling of plastics	Thomas Trebbien, Trebo ApS
2.45 pm	Aging properties of mechanical recycled plastics	Leon Vervuurt, Volvo Car Corporation
3.15 pm	Coffee break and visit to the industrial exhibition	
3.45 pm	Increasing sustainability in injection moulding through process technology	Dr.-Ing. Christoph Zimmermann, Institute for Plastics Processing (IKV)
4.15 pm	Injection moulding direct processing leads to a reduced CO ₂ footprint	Stefan Schierl, KraussMaffei Technologies GmbH
4.45 pm	Mechanical and chemical recycling-based solutions for the upcoming ELV regulation	Dr. Erik Licht, LYB – LyondellBasell
5.15 pm	Research live - Guided tour to IKV's technical centres	
6.30 pm	Conference dinner and visit to the industrial exhibition	

THURSDAY, 20 MARCH 2025

8.30 am	Meet & Greet	
8.50 am	Welcome and introduction to the topic by the Chairman of the IIMC	Thilo Stier, AKRO-PLASTIC GmbH
	Session III: Multi-component parts	
9.00 am	Expand your ideas – New Possibilities in Numerical development for EPA foam	Andreas Wüst, BASF SE
9.30 am	How do you achieve leak-tight overmoulding of busbars over short distances with glass fibre-reinforced plastics?	Alexander Heitbrink, Erwin Quarder, Systemtechnik GmbH
10.00 am	Coffee break and visit to the industrial exhibition	
10.30 am	Thermoplastic foam injection moulding in technical applications	Dr. Steffi Illner, Woco Group
11.00 am	The Playground of Simulation in Injection Moulding - Much More Than You Think	Cristoph Hinse, SimpaTec GmbH
11.30 am	Lunch	
	Session IV: Applications due to the electrification of cars	
12.45 pm	On the thermal management of thermoplastic battery enclosures – System integration, material selection and plastic design	Moritz Lipperheide, KAUTEX TEXTRON GMBH & CO. KG
1.15 pm	Thermoset injection moulding for structural magnet-polymer hybrid components in axial flux motors	Robin Sujatta, Mercedes-Benz AG
1.45 pm	Coffee break and visit to the industrial exhibition	
	Session V: Enhancing injection molding through additive manufacturing	
2.15 pm	Large Scale Additive Manufacturing for Structural Automotive Applications	Dr.-Ing. Michael Rieck, AKRO-PLASTIC GmbH; Stefan Vogler, M.TEC ENGINEERING GmbH
2.45 pm	Enhance Injection Moulding with Additive Manufacturing – Introducing a novel process combination to increase design flexibility	Stella Yao, Yizumi Holdings Co., Ltd.
3.15 pm	Concluding discussion	
3.25 pm	Closing remarks and farewell Prof. Dr.-Ing. Christian Hopmann, Institute for Plastics Processing (IKV), Thilo Stier, AKRO-PLASTIC GmbH	
3.30 pm	End of the conference	

REGISTRATION**Contact**

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Registration

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Organiser and Venue

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