INSTITUTE FOR PLASTICS PROCESSING

SYMPOSIUM

International Symposium: Polyurethanes

Trends in PU-Processing

28 – 29 MARCH 2023

The perception of plastics and the industry are shaped by the topics of sustainability, circular economy and digitalisation. Continuous efforts in the area of research and development are necessary in order to meet the resulting questions and to ensure steady growth of the PU sector in the future.

The central questions of the symposium are: How can sustainable, cost-efficient and environmentally friendly production of PUR applications be enabled in the various sectors? How can innovations be made in the areas of digitalisation and the circular economy? Current research developments regarding materials, processing technologies and recycling will be presented at the symposium.

Discuss current and future challenges together with material suppliers, processors and plant manufacturers along the entire value chain of PU components as well as with experts from research institutes, industrial companies and associations. Gain an insight into the latest developments and products in the PU sector and expand your personal network.

» For many decades already, the polyurethane industry has shown great innovation potential by constantly improving the material's properties. Despite challenging times, it is vital that it continues innovating in areas it is maybe less familiar with, such as digitalisation of the value chain and the circular economy, to increase efficiency and make polyurethane truly circular. «

Michel Baumgartner, Secretary General at EUROPUR

MAIN TOPICS:

- Digitalisation and data-based process monitoring in PU processing
- Sustainable applications and technologies in the international PU industry
- Environmentally compatible materials, additives and recycling of PU, LCA

TARGET AUDIENCE:

- *Scientists in the field of polyurethanes*
- *Engineers and technical managers in development, production and sales in the fields of*
  - *PU processing*
  - *Raw materials and additives*
  - *Plant engineering*
  - *Production planning for PU processing*
  - *Quality assurance for PU*

PARTICIPATION FEE:

Regular:	995,00 €
Members of the IKV Association of Sponsors:	795,00 €

REGISTRATION

Registration:
booking.ikv-aachen.de/bookingform/polyurethane

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TUESDAY, 28 MARCH 2023

	Welcome	
13.00	Welcome by the institute's management and the moderator	Europur, Michel Baumgartner
13.20	Trends and research activities at IKV	Institute for Plastics Processing (IKV), Dominik Foerges
	Recycling of PU	
13.40	Rigid foam in circular economy	PU Europe, Domenico Perone
14.10	Growing towards a PUre future	Recticel Engineered Foams Belgium BV, Bart Haelterman
14.40	**Coffee break**	
15.00	Circular solution for polyurethane-based mattresses	Evonik Operations GmbH, Dr. Emily Schweißinger
15.30	Recycling of post-industrial and post-consumer polyurethane materials with chemolysis	RAMPF Eco Solutions GmbH & Co. KG, Dr. Frank Duersen
16.00	Final discussion day 1	
19.00	Get-together	

WEDNESDAY, 29 MARCH 2023

	Welcome	
9.00	Welcome by the institute's management and the moderator	Europur, Michel Baumgartner
	Digitalisation and data-based process monitoring	
9.10	Effiicient production process in the circular PU-Foam conversion	Fecken-Kirfel GmbH & Co. KG, Francis Pinckers
9.40	smartPUR – status quo & potentials	KraussMaffei Technologies GmbH, Sebastian Schmidhuber
10.10	Increased efficiency in polyurethane processing through sensor-based process monitoring	Institute for Plastics Processing (IKV), Eduard Kremer
10.40	**Coffee break**	
11.00	Simulation for the manufacturing process of PU materials	SimpaTec GmbH, Christoph Hinse
11.30	Smart transfoaming – a data-driven challenge?	Albrecht Bäumer GmbH & Co. KG, Stephan Hohenadl
12.00	**Lunch break**	
13.00	High pressure processing of solid fillers in PU foams for the sake of sustainability: Cannon solutions	CANNON Deutschland GmbH, Stefano Andreolli
	Environmentally compatible materials, additives and sustainable applications	
13.30	tbd	Covestro AG
14.00	**Coffee break**	
14.30	ECO-friendly mold release technology	Acmos Chemie KG, Hendrik Beiersdorf
15.00	Diisocyanates in the REACH restriction process – regulatory framework and best practice for the industry	Fachverband Schaumkunststoffe und Polyurethane e. V., Nilüfer Bozkurt-Thielscher
15.30	Final discussion day 2	
16.00	Tour of the IKV technical facilities	
17.00	**End**	

Contact for questions:

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Venue:

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