

THE **LEADING** INTERNATIONAL EXHIBITION AND CONFERENCE
FOR THE **GLOBAL POLYURETHANES** INDUSTRY



MECC, Maastricht, NL
16-18 November
2021



CONFERENCE PROGRAMME

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DAY 1 – 16 NOVEMBER 2021

OPENING SESSION: MAIN THEATRE

10:30 Introduction to UTECH Europe 2021

Brennan Lafferty, Vice President and Group Publisher, Crain Communications

10:35 Chairman's Welcome

Simon Robinson, Editor, Urethanes Technology International

10:40 Welcome from ISOPA and Keynote Address

Christopher Metz, Vice President Isocyanates, PO & Glycols Europe, Middle East & Africa at BASF and President of ISOPA

11:15 Keynote Address - Polyurethane: where we came from and where we're going

Marco Volpato, CEO, Cannon Group

11:40 The Global Polyurethanes Market – Drivers and Trends

Speaker to be announced

12:05 Review of current market and pricing developments in polyurethane chemicals

Robert Peacock, Consultant, ICIS Consulting

12:25 SESSION CLOSE

13:15 – 14:00 UTECH Europe Awards Ceremony – Rising Star and Hall of Fame

AFTERNOON SESSION: ROOM ONE

SUSTAINABILITY

14:30 How sustainable is the polyurethane value chain?

Daniel Saxton, Consultant, NexantECA

14:45 Intermediates with increased sustainability as raw materials for the polyurethane industry

Cordula Mock-Knoblach, Director Renewables & Sustainability, BASF SE

15:00 Logistics eats circular supply chains for breakfast

Walther Ploos van Amstel, Professor in Citylogistics, Amsterdam University of Applied Sciences

15:15 PU recycling technology

Kai Klockemann, R&D Director, Nitroil Performance Chemicals

15:30 REFRESHMENTS

16:00 Sustainable solutions for the furniture industry

Albert Camp, Segment Lead Furniture, BASF SE

16:15 The first industrial plant in Europe to recycle end-of-life PU mattresses into polyols

Mila Skokova, Sales & Product Manager, H&S Anlagentechnik

16:30 Towards circularity in recycling of mattresses

Vikas Aggarwal, Manager Waste Management for Circular Economy Innovations, BASF SE

16:45 Sustainability approach for future polyurethane solutions

Oliver Geiger, Senior Manager Sustainability - Performance Materials Europe, BASF SE

17:00 SESSION CLOSE

AFTERNOON SESSION: ROOM TWO

CASE: COATINGS, ADHESIVES, SEALANTS AND ELASTOMERS

14:30 A new bio-based polyurethane

Gerry King, Head of Technical Services & Application Development – EMEA, LANXESS

14:45 Synthesis and characterization of elastomeric polyurethanes based on poly(diethylene glycol terephthalate) diols

Rodrigo Navarro-Crespo, Postdoctoral researcher, Institute of Polymer Science and Technology (ICTP-CSIC)

15:00 Particle foam meets 3D printed lattice – combining improved sustainability and performance

Ulrike Groenhagen, Team Leader, Product Development for Infinergy, BASF Polyurethanes GmbH

15:15 Low-free urethane prepolymers as building blocks for high performance protective coatings

Christopher Woodcock, Application Development & Technical Service Manager Coatings, Lanxess Urethanes UK

15:30 REFRESHMENTS

16:00 Polybutadiene based polyurethane compatibility with different types of mineral oils

Anna Eriksson, Technical Manager, NYNAS

16:15 Hot cast / cold cure polyurethane

Gerry King, Head of Technical Services & Application Development – EMEA, LANXESS

16:30 Tailor-made additives for PU frothing technology

Michael Klostermann, Technical Manager Advanced Polyurethanes, Evonik Operations – Specialty Additives

16:45 Water-based polyurethane dispersions with high levels of Nuolve engineered polysaccharides in – application in wood coatings

Ibrahim Sendijarevic, Business Development Director, Troy Polymers

17:00 Circular economy solutions for the mining industry

Aurelie Perrenot, Global Head of Application and Development, Covestro Elastomers

17:15 Water-based adhesion promoter systems for surface-treated polyolefins

Jochen Frank, Global Business Development Manager, LANXESS Deutschland

17:30 New polyurethane regulations? Challenge accepted!

Sven Reimann, Department Manager Polyurethanes, Sika Technology

17:45 SESSION CLOSE

DAY 2 – 17 NOVEMBER 2021

MORNING SESSION: ROOM ONE

FLEXIBLE FOAMS

10:15 Welcome from the chair

Michel Baumgartner, Secretary General, EUROPUR / EUROMOULDERS

10:30 Design of PU foams for hydroponic horticulture

Angel Marcos-Fernandez, Researcher, Instituto de Polimeros (CSIC)

10:45 Evaluation of parameters that impact compression set

Daniela Hermann, Technology Manager Comfort, Evonik Operations

11:00 Antioxidants and scavenging technologies to reduce emissions and odor in polyurethane foam

Herbert De Breuck, Global Polyurethane Technical Lead, Milliken Europe

11:15 Exploring novel bismuth complexes for polyurethane catalysis

Jamie Nowalk, Senior Research and Development Chemist, Reaxis

11:30 REFRESHMENTS

12:00 Innovative PU solution for the bedding industry

Martin Baumert, Director, Head of Technical Development, BASF SE

12:15 Reactive amine catalyst for low compression sets, low aldehyde emission and low odour for flexible polyurethane foams

Yusuke Morioka, Technical Manager, TOSOH Corporation

12:30 The future of additives for bedding and furniture

Marcel Hartmann, Business Manager Europe – PU Additives, Momentive Performance Materials

12:45 SESSION CLOSE

MORNING SESSION: ROOM TWO

RIGID FOAMS PART 1

10:30 Novel aromatic polyol and its application in rigid foam formulation

Warren Song, Chief Engineer, Jiahua Chemicals

10:45 New phosphorus based flame retardants for rigid polyurethane foams

Heiko Tebbe, Head of Application Technology EMEA – BU Polymer Additives, LANXESS Deutschland

11:00 BioCool household refrigerators based on soy-oil based rigid polyurethane foam insulation

Orcun Yucel, R&D Sr. Specialist, Arcelik

11:15 Novel elastocool solutions meet higher energy efficiency standards

Ragnar Stoll, Team Leader for Product Development, BASF Polyurethanes

11:30 REFRESHMENTS

12:00 Introducing a low GWP two component low pressure PU foam

Yvo Trimbos, R&D Team Leader & Technical Product Manager – 2CPU systems, Soudal

12:15 Additives to enhance the thermal insulation performance of polyisocyanurate foams

Pierre Chaffanjon, Technology Manager Polyurethane Additives, Momentive Performance Materials

12:30 Customer case study demonstrating the benefit of incorporating aromatic polyether polyols in rigid foams

Steve Crain, PMP, Business Development Leader, Bakelite Synthetics

12:45 SESSION CLOSE

13:15 – 14:00 UTECH Europe Innovation Awards 2021

AFTERNOON SESSION: ROOM ONE

14:30 Isopa Regulation Session

Chaired by Jorg Palmersheim, Secretary General, Isopa & Alipa

15:30 REFRESHMENTS

POLYUREA

16:00 Fast-curing industrial polyurea adhesive for lightweight particleboards

Thomas Wolf, Head of Business Development, Nolax

16:15 Polyurea, a retrospectpective

Kai Klockemann, R&D Director, Nitroil Performance Chemicals

16:30 SESSION CLOSE

AFTERNOON SESSION: ROOM TWO

SCIENCE

14:30 Predicting the properties of thermosetting polyurethanes using atomistic simulations

Laura Katharina Scarbath-Evers, Materials Science Applications Scientist, Schrödinger

14:45 Nature-inspired impact absorbing polyurethanes

Grazyna Mitchener, Director, Polychemtech.com

15:00 Fire dynamics simulations of large-scale fire performance of PU rigid foams based on small-scale thermal analysis

Xiaodong Guo, Computational Materials Research Scientist, Global Research Group, Huntsman Polyurethanes

15:15 PPE oligomers for improved PU materials

Antonello Cerullo, Sr Business Development Manager Additives Europe, SABIC HPP

15:30 REFRESHMENTS

CONFERENCE PROGRAMME

PROCESS AND MACHINERY

16:00 Solutions for handling multiple polyol formulations in high pressure PU dosing machines

Stefano Verga, Sales Manager, Insulation, Cannon

16:15 OSV solutions for R&D and laboratory applications

Yuriy Shafran, Co-founder, OSV

16:30 Solutions for handling solid filled formulations in high pressure PU dosing machines

Stefano Andreolli, Sales Manager, Automotive Applications

16:45 SESSION CLOSE

DAY 3 – 18 NOVEMBER 2021

MORNING SESSION: ROOM ONE

AUTOMOTIVE

10:30 A new era in seating comfort with a thin foam technology that delivers an initial soft feeling

Christophe Ponce, TS Manager PU Automotive Seating and Flex Foam, Huntsman

10:45 Improving resistance towards hydrolysis in automotive moulded foams, with performance additives

Felix Muehlhaus, Technical Manager, Evonik Specialty Additives

11:00 Saving CO₂ – impact of release agents for moulded flexible foam on the fight against climate change

Marc Schurmann, Head of R&D – Release Agents, Bomix Chemie

11:15 Reduction of emissions in the car interior thanks to optimized polyurethane systems

Maximilian Joost, R&D PU Specialty Foams, BASF SE

11:30 Low emission flexible foam technology meets most stringent automotive requirements

Annelies Vandevelde, Technical Manager, Global Technology and Innovation Group, Huntsman

12:00 REFRESHMENTS

12:30 Hybrid mold release agents for polyurethane foam: innovation, state of the art, application and their impact on the environment

Angel Rodriguez, R&D Technician of Release Agent, Concentrol

12:45 The advantages of combining methylal with HFOs: spray foams as a typical example

Michel Beaujean, Senior Scientific and Technical Advisor, Lambiotte

13:00 Understanding PU – novel approaches for the acquisition of process dependent material data

Florian Kessler, CEO, cellEQ

13:15 Silicone surfactants for low content of aldehyde and aromatic emissions PU foam

Josep Nadal, Technical Manager, Concentrol

13:30 CONFERENCE CLOSE

MORNING SESSION: ROOM TWO

RIGID FOAMS PART 2

10:30 Strategies to improve thermal insulation of rigid foams containing HFOs

Josep Gimeno, Technical Manager Europe, Honeywell

10:45 New additive solutions for PIR rigid foams

Martin Glos, Technology Manager Insulation EMEA, Evonik Operations

11:00 Advancements in rigid foam using a novel and sustainable PU additive

Geert Dries, Technical Manager Urethane Chemistries, Huntsman Performance Products

RIGID SPRAY

11:15 Bio-sourced raw material in HFO blown foam for the spray foam industry

Anne Pigamo, R&D Development Manager, ARKEMA

11:30 An innovative, non-isocyanate curing PU foam

Kevin Huvaere, Chief Scientist, EcoSynth / Greenseal

11:45 A new type of reactive non-isocyanate foam (NIF)

Stefan Haubenreisser, R&D Manager, INPUT – Institute for Polyurethane Technology

12:00 REFRESHMENTS

12:30 New generation water-based spray foam with closed cell structure

Zeynep Cetin, Research & Development, Ravago Turkey

12:45 Next generation amine catalyst for improved system stability with hydrofluoroolefin (HFO) blowing agent

Sven Gahrens, Technical Manager Insulation, Evonik Operations

13:00 Sustainable feedstock based rigid PU foam cryogenic insulation

Mikelis Kirpluks, Senior Researcher, Latvian State Institute of Wood Chemistry

13:15 Opteon Foam blowing agents for rigid spray foam applications

Jeffrey Sowder, Senior Technical Service Chemist, The Chemours Company

13:30 CONFERENCE CLOSE

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