



Forum

Plastic Recyclates



incl. #LBFDeepDive

7th Forum Plastic Recyclates

March 26th and 27th, 2025, Darmstadt, Germany



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CONFERENCE DAY 1 | March 26th, 2025

09:30 Registration of Participants & Welcome Coffee

10:00 **Welcome and Introduction to the Conference**
Dr. Elke Metzsch-Zilligen & Dr. Christian Beinert | Fraunhofer LBF**Markets and Standards for Recyclates**10:15 **Material Flow for Plastics in Germany – Status Quo of the Plastics Recycling Economy and Future Challenges**
Christoph Lindner | Conversio Market & Strategy GmbH10:40 **Optimisation Potential of Mechanical Recycling – From Plastic Waste to High-Quality Recyclate**
Madina Shamsuyeva | Institut für Kunststoff- und Kreislauftechnik11:05 **Realisation of Recyclable Packaging**
Ansgar Schonlau | Maag GmbH11:30 **Coffee Break****Quality Improvement of Recycled Plastics**12:00 **How Does the Composition of Discarded PEs Impact Their Recyclability?**
Rudinei Fiorio | Maastricht University12:25 **Recyclates Using Optimized Washing and De-Inking Conditions to Optimize the Appearance for Film and Automotive Application as well as Reduced Malodor Achievements**
Kathrin Lehmann | Evonik Operations GmbH12:50 **Added Value from Additives in Flexible & Rigid Packaging**
Michael Kriebitzsch | BAERLOCHER GmbH13:15 **Lunch Break****Applications**14:30 **How Scientific Plastics Recycling Research Can Help Industry to Master the Challenges of Circular Economy**
Prof. Dr.-Ing. Achim Grefenstein | Constantia Flexibels / Institut für Kunststoffverarbeitung (IKV) der RWTH Aachen14:55 **Multilayer Films in the Loop: Innovative Approaches for a Sustainable Future**
Dr. Kylie König | SÜDPACK VERPACKUNGEN SE & Co. KG15:20 **Wheely Bins and Circular Economy**
Coralie Rambaud | SULO Group15:45 **Coffee Break****Masterbatches and Compounds**16:15 **„End- of- Life“ Vehicle Feedstock Recovery and Utilisation in Nylon Compounds**
Joachim Stricker | Radici Group16:40 **How Additives and Colorants Can Enhance Plastic Recycling**
Dr. Jan Sültemeyer | Avient Corporation17:05 **Actual Recycling of Biopolymers on Real Large-Scale Sorting Plants**
Dr. Patrick Hirsch | Fraunhofer IMWS17:30 **Closing Day 1**
Dr. Elke Metzsch-Zilligen | Fraunhofer LBF17:45 **Get-Together Followed by Joint Conference Dinner (19:00 to 21:00)****CONFERENCE DAY 2 | March 27th, 2025**08:30 **Welcome back – Review & Preview**
Dr. Christian Beinert | Fraunhofer LBF**Markets and Standards for Recyclates II**08:45 **To be determined**
Ton Emans | Plastic Recyclers Europe09:10 **Proven Solutions to Address the Quality Requirements of the Plastic Recycling Value-Chain**
Bruno Sallé de Chou | EUKEM SAS09:35 **Long-Term Thermal Stabilization Strategies in Virgin and Recycled PP Resins**
Thomas Schmutz | SONGWON Management AG10:00 **Joint Research Projects**
Dr. Christian Schütz | Fraunhofer LBF10:15 **Coffee Break & Poster Session****Analytics of Recycled Plastics**11:10 **It Does Work: How Plastic Waste Can Be Sorted into all Useful Fractions in a Technologically Open, Cost-Efficient and Precise Manner**
Jochen Moesslein | Polysecure GmbH11:35 **MADSCAN®: Revolutionizing Plastic Composition Analysis for High-Quality Recycled Polymers**
Floris Gerritsen | Veridis Technologies B.V.12:00 **Digitalization and Virtual Assistance for Recycling**
Dr. Kenny Saul | SHS plus GmbH12:25 **AI-Assistance Systems: Increased Process Stability Despite Recycled Materials**
Alexander Scherer | Symate GmbH12:50 **Lunch Break****Applications II**14:00 **Integrated Simulation Workflows for Recycled Polymers: Approaches and Challenges**
Ana Rodríguez Sánchez | Robert Bosch GmbH14:25 **Frosch as an Example of a Truly Circular Economy in Packaging Made from Recycled Plastic**
Timothy Glaz | Werner & Mertz GmbH14:50 **Accelerating Development of Sustainable Materials with Artificial Intelligence and Machine Learning**
Marco Musto | Citrine Informatics15:15 **Q&A, Summary and Closing Day 2**
Dr. Elke Metzsch-Zilligen | Fraunhofer LBF

March 25, 2025, from 10 to 17 h

#LBFDeepDive Plastic Recyclates 2025

The #LBFDeepDive is dedicated to the topic of the ageing of plastics in the life cycle and the associated challenges and solutions for plastic recyclates.

#LBFDeepDive topics:

Polymer Ageing:

- What are the standard approaches to accelerated ageing and weathering of plastics?
- What other approaches are there for aging and weathering under unusual conditions, ageing under UV-C irradiation, accelerated ageing under the influence of moisture, detection of weathering-induced degradation products?

Mechanics:

- How can the reliability of material and component properties be assessed in long-term applications of recyclates?
- How do the mechanical properties of recyclates differ from those of virgin materials, and how do external influences affect the lifetime of components?

Additives:

- Is it possible to make plastics fit for a second life with sustainable additives?
- Why are special recycle stabilizers needed, how do they differ from virgin stabilizers and how do they work?

Participation in the #LBFDeepDive is open exclusively to registered forum participants and is limited to a maximum of 20 participants.

For more information and registration please scan the following QR-Code:



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