

# Program

Day 1, Sep. 7, 2023

**Opening & Appreciation of Prof. Ralf Schledjewski**

**9:00 - 10:00**

## Session 1 - Sustainable Packaging

**Design for Recycling: Treiber, Recyclingfähigkeit und Best Practice Beispiele in der Unternehmenspraxis**

**S. Stadelmann**

ALPLA Werke Alwin Lehner GmbH & Co KG

## RETHINKPACKAGING

**P. Sonnleitner**

Ringana GmbH

**Coffee Break**

**11:00 - 11:30**

## Session 2 - Polymer Recycling 1

**Polyolefin circularity: From monomer to application and back in different ways**

**M. Gahleitner**

Borealis AG

**"Another life for plastics" –  
Selected technological highlights in plastic recycling**

**M. Aigner**

EREMA Engineering Recycling Maschinen und Anlagen Ges.m.b.H.

**Detection of multilayer films with sensor based sorting lines**

**C. Barretta**

Polymer Competence Center Leoben GmbH

**Recycling of multilayer packaging films**

**M. Feuchter**

Montanuniversität Leoben, Institute of Materials Science and Testing of Polymers

**Lunch**

**13:00 - 14:00**

**Session 3 - Polymer Recycling 2**

**Extrusion technologies for  
high-purity post-consumer compounds**

**D. Rapp**

KraussMaffei Technologies GmbH

**Bio-based Epoxy Resins for High Performance Applications:  
Chances and Challenges**

**K. Resch-Fauster**

Montanuniversität Leoben, Institute of Materials Science and Testing of Polymers

**Challenges and approaches in recycling fibre reinforced  
thermoplastic composites**

**C. Burgstaller**

Transfercenter für Kunststofftechnik GmbH

**Preparation and characterization of new filaments with  
embedded natural fiber fillers for 3D printing using the Fused  
Deposition Modeling (FDM) methodology**

**S. Kain**

University of Applied Sciences Salzburg, Department of Forest Product  
Technology & Timber Construction

**Material Characterisation of industrial textile waste under consideration of various influential parameters**

**U. Jenull**

Montanuniversität Leoben, Institute of Polymer Processing

**Coffee Break**

**15:30 - 16:00**

**Poster Session / Exhibition**

**16:00 - 17:30**

**Gala Dinner**

**19:00 The Kitchen (LCS Leoben)**

**Day 2, Sep. 8, 2023**

**Session 4 - Design approaches**

**Predicting the Lifetime of Polymers: Approaches and Challenges for Modeling Environmental Aging and Degradation**

**M. Lang**

Polymer Competence Center Leoben GmbH

**Design for repair**

**S. Schlögl**

Polymer Competence Center Leoben GmbH

**Mechanical Simulation of Battery Cells: Bridging Length Scales through Layered and Homogenized Models in LS-DYNA**

**M. Morak**

4a engineering GmbH

**Environmental assessment of natural fiber reinforced polymer composites processing**

**U. Kirschnick**

Montanuniversität Leoben, Institute of Processing of Composite Group

**Coffee Break**

**10:30 - 11:00**

**Session 5 - Reliability Assessment**

**Role of polymers for photovoltaic electricity generation**

**R. Gottschalg**

Fraunhofer-Zentrum für Chemisch-Biotechnologische Prozesse CBP

**Application of recycled materials in the polymer pipe industry**

**J. Hinczica**

Polymer Competence Center Leoben GmbH

**Closing Remarks / Award Ceremony**

**12:00 - 13:00**