

## Date

Thursday, 30th of September 2021

## Venue

Montanuniversität Leoben  
Franz Josef Strasse 18, 8700 Leoben, Österreich

## Information and Contact

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## Registration to the Final Conference

Via e-mail to renae.reumueller@unileoben.ac.at

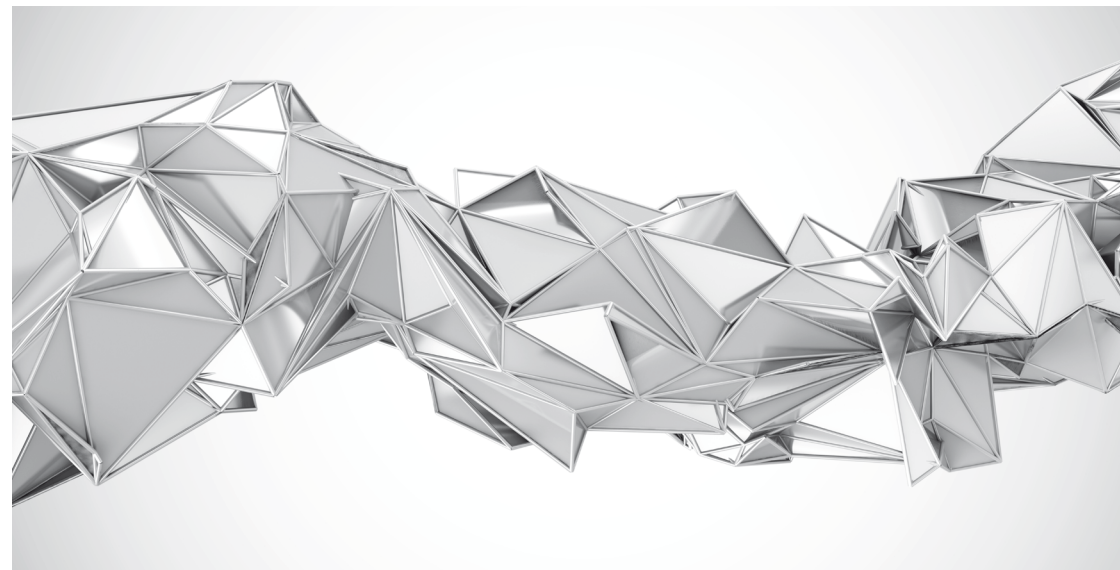
**Deadline: Tuesday, 21th of September 2021**

## Attendance Fee

The event is free of charge and will be conducted within the project PolyMetal.



**Interreg**   
**SLOVENIJA – AVSTRIJA**  
**SLOWENIEN – ÖSTERREICH**  
Evropska unija | Evropski sklad za regionalni razvoj  
Europäische Union | Europäischer Fonds für regionale Entwicklung



## Project Partners of PolyMetal

**gorenje**

a **Hisense** company



 **intra lighting**  
all visible



 **FTPO**  
Faculty of  
Polymer Technology

## Design flexibility of plastics, but look and feel like metals: PolyMetal successful crossborder cooperation

September 30<sup>th</sup>, 2021

Montanuniversität Leoben; online MS-Teams

**Final Conferene**

**PolyMetal**

## Final Conference

The main goal of the project **PolyMetal** is the transnational cooperation, networking, and joint R&D of SMEs as well as of R&D institutions on the development of polymer-based solutions. Optimized for the specific application, these polymers are capable of replacing stainless steel or aluminum for structurally demanding products in various fields. In this context, the joint R&D activities are focusing on a promising research area, the development, and processing of cost-efficient, metallic-looking and -feeling polymers. So far, for higher aesthetic value of high-end products, stainless steel, and aluminum are used for the manufacturing of parts of home appliances, lights, sports equipment, etc. For the manufacturing of more complex shapes, the use of metal is technically demanding, expensive, and time consuming.

At the **final conference**, the **results of the successful cross-border collaboration** between the research institutions Faculty of Polymer Technology (FTPO), Montanuniversität Leoben (MUL), and Polymer Competence Center Leoben GmbH (PCCL) in cooperation with the industrial partners Gorenje gospodinjski aparati d.o.o., Richard Hiebler GmbH, and Intra lighting d.o.o. will be presented. In addition, participants will have the opportunity to discuss with PolyMetal experts in **B2B meetings** (in attendance or via MS Teams by appointment) how the research outcomes could be useful for their business cases.

### Who will benefit?

The conference will be performed for representatives of industry, e.g. CTOs, innovation managers and engineers as well as for researchers of universities

## PROGRAM

09:30	Conference Registration
10:00	<b>Conference Opening and Welcome</b>
10:15	Formal Welcome; <i>Interreg representatives of Austria and Slovenia</i>
10:35	Benefits from the crossborder cooperation; <i>Dr. Aleš Mihelič/lead partner of PolyMetal, Gorenje d.o.o.</i>
11:00	New knowledge acquired during the project: compounding to achieve the required combination of thermal conductivity and properties of thermally conductive composites; <i>Silvester Bolka, Teja Pešl/ FTPO</i>
11:45	Lunch Break
13:00	Ingredients affect surface microstructure: A study on the roughness of injection molded parts; <i>DI Dr. Roman Kerschbaumer/PCCL</i>
13:35	Simulation of the flow and temperature conditions contributing to the surface appearance of injection molded parts; <i>Prof. Dr. Thomas Lucyshyn/MUL</i>
14:10	Closing Remarks; <i>Maja Mešl, FTPO; DI Renate Reumüller/MUL</i>
14:30	B2B Meetings; <i>MS Teams, at MUL; slots for the discussion with the experts of the PolyMetal team are set by e-mail</i>
15:30	End of Event