

Date

Tuesday, 13th of November 2018

Venue

Faculty of Polymer Technology
Ozare 19, SI-2380 Slovenj Gradec, Slovenia

Information and Contact

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Registration to the Conference

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

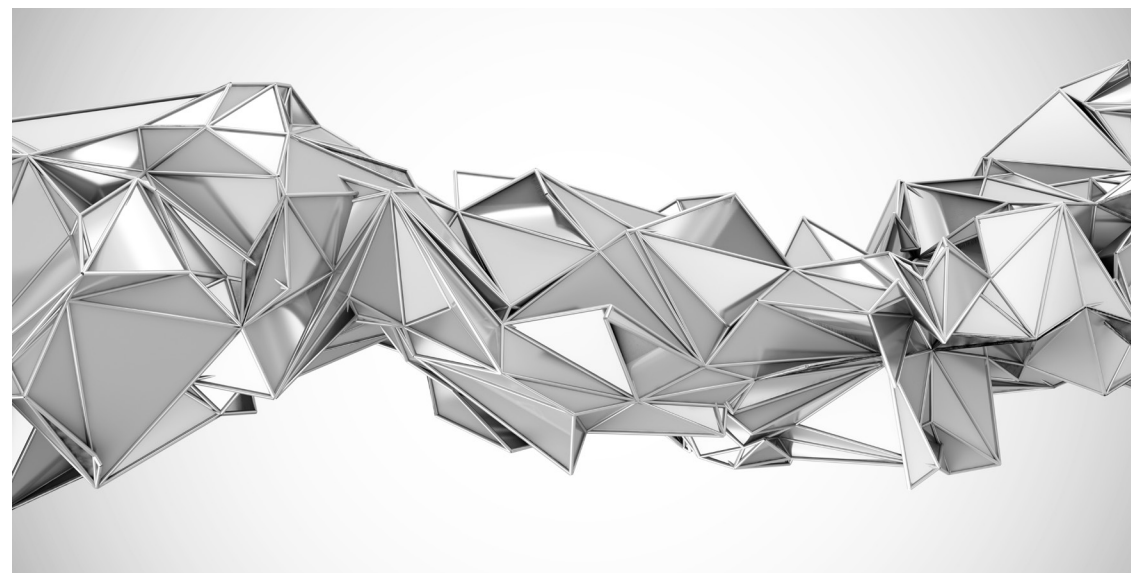
Deadline: Friday, 9th of November 2018

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
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Project Partners of PolyMetal

gorenjegroup



 **intra lighting**
all visible



Hiebler
KUNSTSTOFFPRODUKTE
Formen- und Werkzeugbau
GmbH

 **FTPO**
Fakulteta za
tehnologijo polimerov

Look and feel like metals, but design flexibility of plastics: New aspects of polymers and metal-polymer composites

November 13th, 2018

Faculty of Polymer Technology, Slovenj Gradec

PolyMetal

Conference

The main goal of the project **PolyMetal** is the transnational cooperation, networking and joint R&D of SMEs and R&D institutions on the development of polymer based solutions, which could replace stainless steel or aluminum for design demanding products in different sectors. The joint R&D activities will focus on a promising research area, the development and processing of cost efficient, metal look and feel like polymer solutions. So far, for higher aesthetic value of high-end goods, 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 stainless steel is technically demanding, expensive and time consuming.

The conference will offer essential knowledge regarding fundamentals, visual and haptic aspects as well as thermal conductivity to master the challenges of developing and producing of polymer parts that look and feel like metal.

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 and R&D centers.

PROGRAM

09:15	Conference Registration
	Conference Opening and Welcome
09:45	Dr. Aleš Mihelič, <i>lead partner of PolyMetal, Gorenje d.d.</i>
09:55	Doc. Dr. Thomas Wilhelm, <i>Dean, Faculty of Polymer Technology</i>
10:05	Andrej Čas, <i>Mayor of Slovenj Gradec</i>

	Block 1: Fundamentals
10:15	Thermal and thermomechanical simulation of polymer components subject to local heat sources; <i>DI Matthias Morak, Polymer Competence Center Leoben (PCCL)</i>
11:00	New scientific methods for measuring optical and haptic material and surface properties; <i>Priv.-Doz. DI Dr. Dieter P. Gruber, Polymer Competence Center Leoben (PCCL)</i>
11:45	Coffee Break
	Block 2: Look and Feel
12:05	Plastic and metal foil back injection moulding - Design and Cool Touch; <i>Prof. Dr. Frank Ehrig, HSR Hochschule für Technik Rapperswil, Switzerland</i>
12:50	Metal/Polymer combinations – traditional and innovative methods; <i>doc. Dr. Thomas Wilhelm, Faculty of Polymer Technology</i>
13:35	Lunch Break
	Block 3: Thermal Conductivity
14:30	Thermal conductivity of polymeric materials; <i>DI Helena Weingrill, Chair of Materials Science and Testing of Polymers, Montanuniversität Leoben</i>
15:15	Heat Conductive Compounds – Properties and Applications; <i>Walter Zink, Global Head of R&D, Lehmann&Voss</i>
16:00	Closing Remarks; <i>Maja Mešl, Director, Faculty of Polymer Technology</i>