

Session 2.3 Plastics technology - Interfaces in materials, processing and manufacturing

Time: Wednesday, 06.09.2023

Location: Humboldtbaue, Humboldt Lecture Hall HU-HS

Chairman: F. Puch (TU Ilmenau)

9:00 a.m.	D. Müller, F. Puch (D-Ilmenau)
Seperation of plastic metal composites using molten salts	
9:20 a.m.	N. Krempl, C. Holzer, W. Friesenbichler, U. Kirschnigg (AT-Leoben)
Upcycling of regenerates and injection moulding into high quality light weight components using a new technological approach	
9:40 a.m.	S. Mohammadkarimi, B. Neitzel, F. Puch (D-Ilmenau)
Influence of the Recycling Process Parameters on CFRTP Waste Properties	
10:00 a.m.	B. Hiller, M. Rennert, M. Nase (D-Hof)
Comparison of the properties of biogenic wine by-products stabilized biocomposites compounded with a miniaturized single-screw extruder and a co-rotating twin-screw extruder	
10:20 - 10:40 a.m. Coffee break and Visits of Expositions	
10:40 a.m.	A. Baumann, J. Hausmann (D-Kaiserslautern)
Effect of high energy radiation on technical polymers	
11:00 a.m.	J. Köllermeier, V. Schöppner (D-Paderborn)
Optimizing the Processing Performance of a Single Screw Extruder Using Live Simulations Based on Real Time Experimental Data	
11:20 a.m.	D. Trienens, V. Schöppner (D-Paderborn)
Investigation regarding the correlation of the relative influences during the extrusion process of cast films on the resulting melt quality	

11:40 a.m.	A. Krombholz, A. Goldstein (D-Halle)
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Development of a SmartSensor for the collection of process data in the material development of polymers using the example of an intelligent load cell	
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12:00 noon – 1:30 p.m. Lunch and Visits of Expositions	
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