



POLCOM 2021 - Conference Program
University Politehnica of Bucharest, University of Campania "Luigi Vanvitelli"
Hybrid edition (provisional program)

Wednesday, November 24th

		Chairman/Room	Speakers
14:00 - 16:10	Plenary Session	Polcom Conference Opening <i>Chairs: prof. Constantin Opran prof. Giuseppe Lamanna</i>	Prof. Constantin Opran <i>University Politehnica of Bucharest</i> Prof. Giuseppe Lamanna <i>University of Campania "Luigi Vanvitelli"</i>
		Virtual Room: MS Teams UPB Room: CD008	Invited Speaker: prof. Doicin, Cristian <i>University Politehnica of Bucharest</i> <i>Decan of Faculty of Industrial Engineering and Robotics</i>
			Invited Speaker: prof. Savu, Tom <i>University Politehnica of Bucharest</i> <i>Head of Manufacturing Engineering Department</i>
			Invited Speaker: dott. Riva, Giuseppe <i>Regional Director - Mediterranean Region</i> <i>Plastics Europe Italy</i> <u>LCA Strategies</u>
			Speaker: Prof. Morokov, Egor <i>Laboratory of acoustic microscopy, Emanuel Institute of Biochemical Physics, Russian Academy of Sciences - Russia</i> <u>High-resolution ultrasonic visualization of the micromechanical behavior of reinforced composites with fine fiber microstructure</u>
			Speaker: Mrs. Le Meur, Léa <i>IMT Mines Alès, Polymères Composites Hybrides, France</i> <u>Recovery of End-Of-Life Wood-Plastic Composites Products: Influence of Wastes Fields Nature and of a Compatibilizer on Recycled WPC Bending Properties</u>
			Speaker: Dr. Grasso, Antonio <i>University of Messina, Engineer Department - Italy</i> <u>Tribological behavior of UHMWPE (disc) against Ti6Al4V (pin) under different lubrication conditions</u>
			Speaker: Dr. Wächter, Julian <i>Paderborn University, Faculty of Mech Eng, Kunststofftechnik (KTP) - Germany</i> <u>Development of a procedure for the assessment of material potentials under consideration of the weld seam quality for multi-material applications in the FDM process</u>
			Speaker: Mrs. Vitiello, Libera <i>University of Naples Federico II, Department of Chemical, Materials and Production Engineering - Italy</i> <u>Production of PLA-Milled Carbon Fibers (MCF) filled filaments for Fused Filament Fabrication (FFF) printing</u>
			Speaker: Mr. Driediger, Christine <i>Paderborn University, Direct Research Manufacturing Center - Germany</i> <u>Reactive direct bonding of Digital Light Process components</u>
			Speaker: Mrs. Sharikova, Natalya <i>National Research Center Kurchatov Institute, Dept. of Nanobiomaterials and Structures - Russia</i> <u>Chitosan-based porous composites for bone tissue engineering</u>
			Speaker: Mrs. Antipova, Christina <i>National Research Center Kurchatov Institute, Dept. of Nanobiomaterials and Structures - Russia</i> <u>Impact of freezing conditions on the morphology and mechanics of PVA-based sponge-like materials</u>
			Speaker: Mrs. Srihi, Khouloud <i>Université de Bourgogne, Mechanical engineering - France</i> <u>Study of Bio-composite materials impact-induced damage by Vibro-Acoustic and Thermographic analyses</u>
16:10 - 16:20	Break		
16:20 - 18:45	Plenary Session	Polcom Conference Opening <i>Chairs: prof. Constantin Opran prof. Giuseppe Lamanna</i>	Speaker: Dr. Tosto, Claudio <i>University of Catania, Department of Civil Engineering and Architecture - Italy</i> <u>Comparison of three Additive Manufacturing (AM) techniques for manufacturing complex hollow composite parts</u>
		Virtual Room: MS Teams UPB Room: CD008	Speaker: Dr. Andersons, Janis <i>Latvian State Institute of Wood Chemistry, Polymer laboratory - Latvia</i> <u>The effect of crosslink density on the physical and mechanical properties of bio- based polyurethane foams</u>
			Speaker: Mr. Bailas, Konstantinos <i>University of the Aegean, Department of products and systems design engineering - Greece</i> <u>Minimize the production cost of extrusion-based AM parts by optimizing their internal building geometry</u>
			Speaker: Mr. Kafkopoulos, Georgios <i>University of Twente, MTP/SPC, The Netherlands</i> <u>Polydopamine as Adhesion Promoter: The Effect of Thermal Treatment on the Performance of Poly(lactic acid) (PLA)-Metal Co-molded Joints</u>
			Speaker: Mr. Elsner, Christian <i>Paderborn University, Direct Manufacturing Research Center (DMRC) - Germany</i> <u>Investigation and Improvement of Processing Parameters of a Copper-Filled Polymer Filament in Fused Deposition Modeling as a Basis for the Fabrication of Low-Porosity Metal Parts</u>
			Speaker: Dr. Sedush, Nikita <i>National Research Center Kurchatov Institute, NBICS nature-like technologies - Russia</i> <u>Synthesis and UV cross-linking of methacrylated linear and star-shaped lactide oligomers as potential biodegradable resins for stereolithography</u>
			Speaker: Mr. Menge, Dennis <i>Paderborn University, Dept of Mechanical Engineering - Germany</i> <u>Low Temperature Laser Sintering with PA12 and PA6 on a standard system</u>
			Speaker: Mr. Sharikov, Roman <i>NRC Kurchatov Institute, Laboratory of polymeric materials - Russia</i> <u>Effect of shear on structural organization of various recombinant spiderins</u>