



POLCOM 2020 - MAIN Program
University Politehnica of Bucharest, University of Campania "Luigi Vanvitelli"
Digital edition

Friday, November 27th		
Virtual Room	Speakers	
10:00 - 12:15	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>
		Invited Speaker: prof. Nedelcu, Dumitru <i>Gheorghe Asachi Technical University of Iasi - Romania</i> <u>Additive Manufacturing of Biodegradable Materials</u>
		Speaker: prof. Wächter, Julian <i>Paderborn University, Kunststofftechnik Paderborn (KTP) - Germany</i> <u>Investigation of specific FDM process parameters to optimize the polymer discharge of carbon fiber reinforced PEEK</u>
		Speaker: Boyandin, Anatoly Nikolayevich <i>Institute of Biophysics of Siberian Branch of Russian Academy of Sciences, Krasnoyarsk, Russia</i> <u>Constructing slow-release metribuzin formulations</u>
		Speaker: Boyandin, Anatoly Nikolayevich <i>Institute of Biophysics of Siberian Branch of Russian Academy of Sciences, Krasnoyarsk, Russia</i> <u>Modification of films from biosynthetic polyhydroxyalkanoates aimed to improvement of their physical properties and biocompatibility</u>
		Speaker: prof. Striemann, Patrick <i>University of Applied Sciences Ravensburg-Weingarten, Laboratory of Material Testing - Germany</i> <u>Shear characterization of additively manufactured short carbon fiber-reinforced polymer</u>
		Speaker: Ulmeanu, Mihaela-Elena <i>University Politehnica of Bucharest - Romania</i> <u>Experimental stand design for an automatic wiping board concept</u>
		Speaker: Ulmeanu, Mihaela-Elena <i>University Politehnica of Bucharest - Romania</i> <u>Data acquisition and generative design for a smart spinal orthosis</u>
		Speaker: Boca, Marius-Andrei <i>"Gheorghe Asachi" Technical University of Iasi - Romania</i> <u>The Printing Parameters Effects on the Dimensional Accuracy of the Parts Made of Photosensitive Resin</u>
		Speaker: Serban, Daniel <i>University Politehnica of Bucharest - Romania</i> <u>Influence of the surface microstructure of conductive polymer composite bipolar plate on the fuel cell performance</u>
12:15 - 12:30		break
12:30 - 14:30	Plenary Session	Plenary Session <i>Chair: prof. Giuseppe Lamanna</i>
		Invited Speaker: Opran, Constantin <i>University Politehnica of Bucharest - Romania</i> <u>Advanced Polymeric Composite Product for Automotive Application</u>
		Speaker: Ehrmann, Andrea <i>Bielefeld University of Applied Sciences - Germany</i> <u>3D printing with flexible materials - mechanical properties and material fatigue</u>
		Speaker: Ionel, Sorin <i>University Politehnica of Bucharest - Romania</i> <u>Lean 4.0 dynamic tools for Polymeric Products Manufacturing in Industry 4.0</u>
		Speaker: Schumacher, Christian <i>Paderborn University, Direct Manufacturing Research Center (DMRC) - Germany</i> <u>Stainless steel parts produced by Fused Deposition Modeling and a sintering process compared to components manufactured in Selective Laser Melting</u>
		Speaker: Nitoi, Dan <i>University Politehnica of Bucharest - Romania</i> <u>Finite element modeling of a semi-cylinder polymeric composite product under impact and thermal conditions</u>
		Speaker: Morokov, Egor <i>Laboratory of acoustic microscopy, Emanuel Institute of Biochemical Physics, Russian Academy of Sciences - Russia</i> <u>Structural and elastic characterization of biopolymers hydrolysis by acoustic microscopy</u>
		Speaker: Mocian, Oana Alexandra <i>University Politehnica of Bucharest - Romania</i> <u>Assessment on energy absorption of foam core sandwich panels under low velocity impact</u>
		Speaker: Vulpes, Tiberiu Cristian <i>University Politehnica of Bucharest - Romania</i> <u>Research on Optimizing the Failure Mode and Effects Analysis Using Advanced Expert Systems</u>