



POLCOM 2022 - Conference Program
University Politehnica of Bucharest, University of Campania "Luigi Vanvitelli"

Thursday, November 24th						
Room	Chairman	Speakers				
10:00 - 11:30	Plenary Session UPB Room: CD008	Polcom Conference Opening Chair: prof. Constantin Opran prof. Giuseppe Lamanna	Prof. Constantin Opran University Politehnica of Bucharest Prof. Giuseppe Lamanna University of Campania "Luigi Vanvitelli"			
			Invited Speaker: prof. Dolcin, Cristian University Politehnica of Bucharest Decan of Faculty of Industrial Engineering and Robotics			
			Invited Speaker: prof. Savu, Tom University Politehnica of Bucharest Head of Manufacturing Engineering Department			
			Invited Speaker: dott. Riva, Giuseppe Regional Director - Mediterranean Region Plastics Europe Italy <u>Perspective of the plastics industry - ICA strategy</u>			
			Invited Speaker: prof. Nedelcu, Dumitru "Gheorghe Asachi" Technical University of Iasi, Romania <u>Characterization of Coated Bio-Based Polymers</u>			
			Speaker: Dott. Felaco, Amelia University of Campania "Luigi Vanvitelli" - Italy <u>Crashworthiness of Agricultural tractors, numerical analyses of the most severe impact scenario</u>			
11:30 - 11:45	Coffee break		Speaker: Mr. Koers, Thorsten Paderborn University, Germany <u>Compensation of the shrinkage behaviour occurring in cylindrical components in the EDM process</u>			
			Speaker: Prof. Noura, Hamour University A.MIRA of Bejsia, Algeria <u>Effect of maleic anhydride and titanium dioxide on the miscibility of the PHBV/PP mixture</u>			
			Speaker: Prof. Noura, Hamour University A.MIRA of Bejsia, Algeria <u>Effect of mechanical properties on the miscibility of a PHBV/PP blend</u>			
			11:45 - 13:00	Plenary Session UPB Room: CD008	Chairman prof. Constantin Opran	Keynote Paper: Prof. Milicescu, Stefan - Prof. Nitoi, Dan University of Medicine and Pharmacy "Carol Davila" University POLITEHNICA of Bucharest, Romania <u>Finite element modeling of a biological composite structure used in orthodontic fixed appliances</u>
			Speaker: Mr. Hecker, Felix Paderborn University, Germany <u>Adaptive Scaling of Components in the Fused Deposition Modeling Process</u>			
			Speaker: Prof. Zaharescu, Traian National Institute for Electrical Engineering, INCIE ICPE CA, Radiochemistry Center - Romania <u>Stabilization effects of silica nanoparticles in SIS matrix</u>			
Speaker: Prof. De Luca, Alessandro University of Campania "Luigi Vanvitelli" - Italy <u>An intelligent system for structural health monitoring of thin-walled structures</u>						
Speaker: Prof. Peretto, Donato University of Campania "Luigi Vanvitelli" - Italy <u>Design, development, and validation of an intelligent system for the in-situ structural integrity monitoring</u>						
Speaker: Dott. Polverino, Antonio University of Campania "Luigi Vanvitelli" - Italy <u>Damage Detection Algorithm for Guided Waves based SHM systems</u>						
13:00 - 14:00	Lunch		Speaker: Dott. Aversano, Antonio University of Campania "Luigi Vanvitelli" - Italy <u>Guided-waves based Structural Health Monitoring system for reinforced composite panels</u>			
14:00 - 15:30			Plenary Session UPB Room: CD008	Chairman prof. Giuseppe Lamanna	Speaker: Prof. Anania, Dorel University POLITEHNICA of Bucharest, Romania <u>Study of a Macrosatellite hinge concept using 3D printed prototypes</u>	
Speaker: Prof. Hrituc, Adelina "Gheorghe Asachi" Technical University of Iasi, Romania <u>Heat transfer in 3D printed polymer cylindrical parts</u>						
Speaker: Prof. Năstase, Marian-Sebastian University POLITEHNICA of Bucharest, Romania <u>Comparative studies between two plastic materials used in 3D printing</u>						
Speaker: Dott. Beneduce, Stefano University of Campania "Luigi Vanvitelli" - Italy <u>A methodology for determining the design variables of a metal beam to minimise economic and environmental costs</u>						
Speaker: Mr. Nicolin, Bogdan Adrian INCAS - National Institute for Aerospace Research "Elie Carafoli", Romania <u>Tire selection for a military training aircraft</u>						
Speaker: Prof. Ulmeanu, Mihaela University POLITEHNICA of Bucharest, Romania <u>Electronic system design for a bespoke sports training equipment</u>						
15:30 - 15:45	Coffee break		Speaker: Prof. Ulmeanu, Mihaela University POLITEHNICA of Bucharest, Romania <u>Functional prototype design for a programmable equipment in personalized football training</u>			
15:45 - 17:30			Parallel session UPB room: VRCh01 UPB Room: CD008	Chairmen prof. Giuseppe Lamanna Prof. Constantin Opran	t.b.d.	