

Innovative Approaches in Additive Manufacturing Congress (IA4AM)

FRIDAY, 16 JULY 2021

PROGRAM

Time*	
09:00-10:00	OPENING Prof. Dr. Ismail SAHIN
09:30-10:30	1st SESSION
	Moderator: Dr. Harun Gokce
	Adaptive Laser Metal Deposition (LMD) toolpaths for repair and coating complex geometries <i>Igor Ortiza, Piera Alvareza, Angeles Montealegre</i>
	Analytical Modelling of Heat Distribution in Powder Bed Fusion Process <i>Oğulcan Eren, H. Kürşad Sezer</i>
	3D Printing of shoe lasts for industrial manufacturing of custom shoes <i>Aurelian Zapciu, Catalin Amza, Diana Popescu</i>
	Design for Additive Manufacturing Application for Motorcycle Knee Pad <i>Diyar Biçer, Nur Zeynep Cengiz, Hüdayim Başak</i>
Break	
10:45-11:45	INVITED SPEAKER / Prof. Anton Du PLESSIS - Stellenbosch University "Porosity in laser powder bed fusion additive manufacturing"
Lunch	
12:30-13:30	2nd SESSION
	Moderator: Assoc. Prof. H. Kursad Sezer
	Design of 3D Printed Customisable Post-Stroke Rehabilitation Devices to Provide a High-Quality User Experience <i>Benjamin Darmanin, Philip Farrugia, Edward Abela</i>
	Nanotechnology Applications in Food Additives <i>Ece Çelik, A. Gülçin Sağdıçoğlu Celep</i>
	Additive Manufacturing in teaching and education <i>Doru Cantemir</i>
	A conceptual drone leading gear design based on 4D printing

	<i>Eda Nur Düzenli, Harun Gökçe</i>
Break	
13:45-14:45	3rd SESSION
	Moderator: Dr. Harun Gokce
	Effect of infill density and infill pattern on mechanical properties in Fused Deposition Modeling (FDM) <i>Alparslan Yazar, Neslihan Top, Ramazan Bülbül, Ismail Sahin</i>
	3D-printed hand orhoses: Devolepment and evaluations methods <i>Diana Popescu, Christian Tarba, Catalin Amza</i>
	Using Voronoi Diagram in Unmanned Aerial Vehicle Design <i>Nurullah Yüksel, Hüseyin Rıza Börklü</i>
	Design for 5-Axis CNC Machining Post Processing of Additively Manufactured Metal Parts <i>Osman Tuna Gökgöz, H. Kürşad Sezer</i>
Break	
15:00-16:00	INVITED SPEAKER / Dr. Ali Gökhan DEMİR - Politecnico di Milano "Process innovations for enabling new materials and geometries in LPBF for biomedical implants"
Break	
16:15	CDRP-EN PROJECT EVALUATION SESSION
	Moderator: Dr. Harun Gokce
	RP Based Product Design <i>Jonathan C. Borg, Sean Aigus, Philip Farrugia</i>
	Rapid Tooling <i>Jonathan C. Borg, Sean Aigus, Philip Farrugia</i>
	RP based on Reverse Engineering <i>Catalin G. Amza, Diana Popescu</i>
	Rapid Prototyping and using systems <i>Catalin G. Amza, Diana Popescu</i>
	Rapid Prototyping Materials <i>Catalin G. Amza, Diana Popescu</i>
	3D Printing Technology and Industrial Perspective <i>İsmail Şahin, Tayfun Fındık, Murat Dörterler</i>
	The Future of Rapid Prototyping <i>Harun Gökçe, Alper Altunçekiç</i>
	Challenges in Rapid Prototyping <i>Petr Primus, Marek Trestik</i>
	Current Techniques and Methodologies in Rapid Prototyping

	<i>Doru Cantemir</i>
	Introduction to Rapid Prototyping <i>Antonino Imbesi</i>
Closing	

* Brussels time