

EUROPEAN NETWORK FOR 3D PRINTING OF BIOMIMETIC MECHATRONIC SYSTEMS - EMERALD

Multiplier Event on the Experiencing of e-Learning Platform for Biomechatronics,

hosted by Bizzcom s.r.o. company, in Bucany, Slovakia
13th September 2023

ON THE EXPERIENCING OF E-LEARNING PLATFORM FOR BIOMECHATRONICS **BUCANY. SLOVAKIA**











EUROPEAN NETWORK FOR 3D PRINTING OF BIOMIMETIC MECHATRONIC SYSTEMS - EMERALD

Iceland Liechtenstein
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EMERALD: European network for 3D printing of biomimetic mechatronic systems EEA & Norway Grant - Contract No. 21-COP-0019

MULTIPLIER EVENT on Experiencing of e-learning platform for bio-mechatronics organized by BIZZCOM s.r.o. company, Slovakia

- Event agenda- 13th of September 2023

	Session 1 - EMERALD e-learning platform for bio-mechatronics		
8:30	Registration of participants to the Multiplier Event		
9:00	Opening and Welcome ceremony: Branislav Rabara – Director of BIZZCOM s.r.o. company (Slovakia)		
9:15	EMERALD project overall presentation – progress, actions, KPIs, perspectives / details about the event – Associate Prof. Răzvan Păcurar (Technical University of Cluj-Napoca, Romania)		
9:30	EMERALD main concept of the EMERALD e-learning platform for bio-mechatronics - Associate Prof. Răzvan Păcurar (Technical University of Cluj-Napoca, Romania)		
9:45	EMERALD – e-learning platform for bio-mechatronics – presenting of CAD / CAE virtual laboratory room e-learning facilities - (Associate Prof. Răzvan Păcurar – Technical University of Cluj-Napoca - Romania)		
10:15	5 EMERALD – e-learning platform for bio-mechatronics – presenting of 3D scanning and 3D printing virtual laboratory rooms e-learning facilities - (Associate Prof. Filip Gorski – Poznan University of Technology - Poland)		
10:30	EMERALD – e-learning platform for bio-mechatronics – presenting of Testing and Materials characteristics virtual laboratory room e-learning facilities - (Associate Prof. Diana Băilă – University Politehnica Bucharest - Romania)		
10:45	EMERALD – e-learning platform for bio-mechatronics – presenting of Sensoring, Programming and Assembling virtual laboratory rooms e-learning facilities - (Prof. Filippo Sanfilippo – University of Agder - Norway)		
11:00	EMERALD – e-learning platform for bio-mechatronics – presenting of VR / AR virtual laboratory room e-learning facilities - (Martin Zelenay – BIZZCOM - Slovakia)		
11:15	Conclusions about the content and future perspectives on improving the use of the EMERALD – e-learning platform f bio-mechatronics/ realizing of bio-mechatronics systems to support people with special needs (amputated arms) (Technical University of Cluj-Napoca, Romania)		
11:30	Coffee break / Press conference		

AGENDA



	Session 2 – Experiencing the – EMERALD e-learning platform for bio-mechatronics / VR / AR / MR experience	
12:00	Opening of the session and organizing aspects related to the EMERALD e-learning platform for bio-mechatronics experiencing / dividing in groups (Martin Zelenay – BIZZCOM (Slovakia)	
12:15	Experiencing the virtual rooms of the EMERALD e-learning platform for bio-mechatronics (testing on the	
	computer) / Experiencing of VR applications using VR googles / Experiencing AR applications using tablets	
	/collection of feedbacks (all partners + participants to the Multiplier Event)	
13:15	Conclusions about the experiencing of the EMERALD e-learning platform for bio-mechatronics and discussions related to feedbacks /aspects that are still necessary to be improved in the e-learning platform / round table discussions (Martin Zelenay – BIZZCOM (Slovakia)	
13:45	Comments and discussions on the possibility of joining different projects / consortium / EU Networks - Branislav Rabara – Director of BIZZCOM s.r.o. company (Slovakia)	
14:15	Closing words / ending of Multiplier Event	
14:30	Lunch break	













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EMERALD – e-learning platform for bio-mechatronics – presenting of Testing and Materials characteristics virtual laboratory room e-learning facilities - UPB



European Network For 3D Printing Of Biomimetic Mechatronic Systems

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EMERALD E-LEARNING VIRTUAL LABORATORY PLATFORM











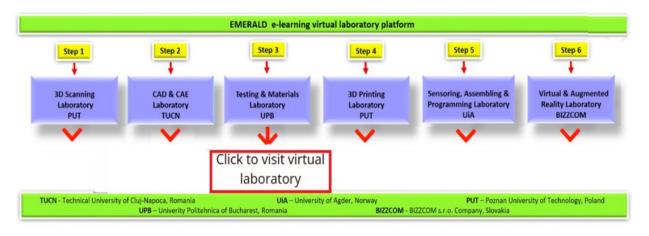


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HOME PROJECT REPORTS DISSEMINATION INTELLECTUAL OUTPUTS EVENTS PARTNERS VIRTUAL LABS CONTACT

Please click on the tooltips on the diagram bellow to virtually visit our laboratories.

For a better understanding of the EMERALD e-learning virtual laboratory platform, which includes 3D scanning, CAD, CAE, testing and material characterization, 3D printing, sensorizing, assembly, programming, AR & VR, it is advisable to access the virtual laboratories by following the steps that are outlined in the diagram given below. By following the steps in the indicated order, this will lead to a more comprehensive understanding of the logical process involved in conceiving and developing of new biomimetic mechatronic systems to be realized utilizing 3D printing technologies.









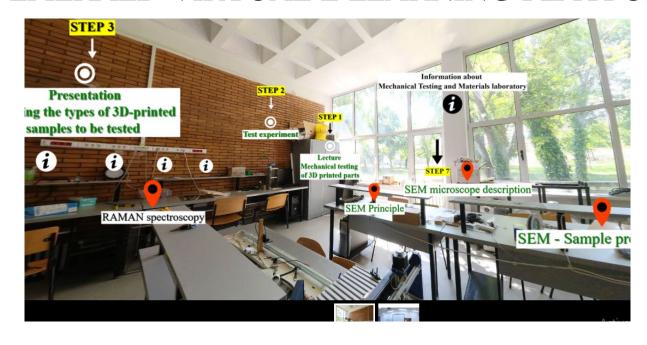




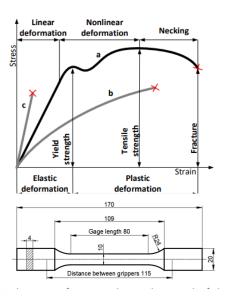


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EMERALD VIRTUAL E-LEARNING PLATFORM – UPB UNIVERSITY LABORATORIES













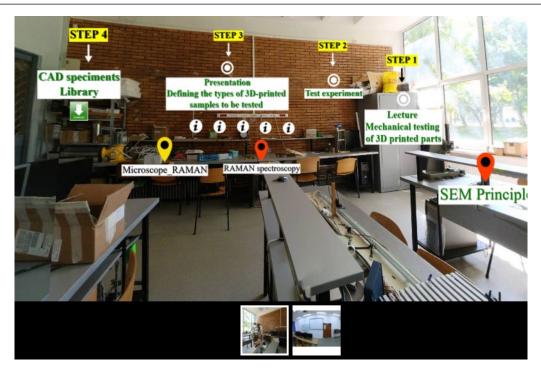




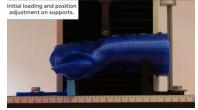


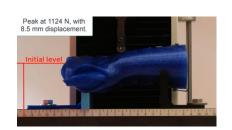


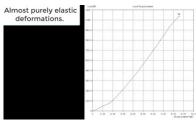
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Steps of the real bending testing experiment presented and explained in the video





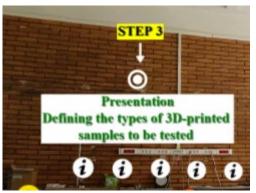


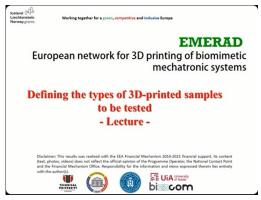




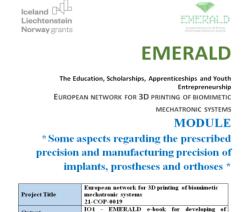


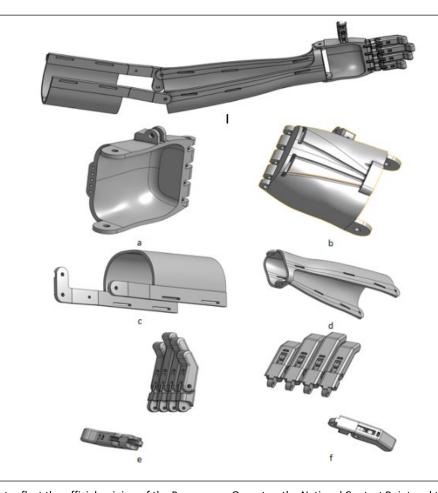
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EMERALD

The Education, Scholarships, Apprenticeships and Youth Entrepreneurship

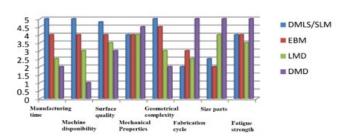
EUROPEAN NETWORK FOR 3D PRINTING OF BIOMIMETIC

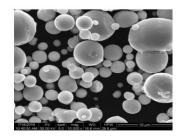
MODULE 8

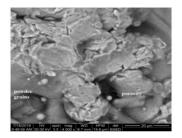
Intelligent (Smart) Materials

Project Title	European network for 3D printing of biomimetic mechatronic systems 21-COP-0019
Output	IO1 - EMERALD e-book for developing of biomimetic mechatronic systems
Module	Module 8 Intelligent (Smart) Materials













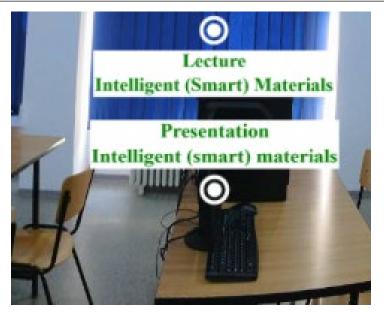




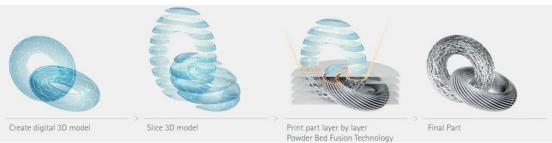




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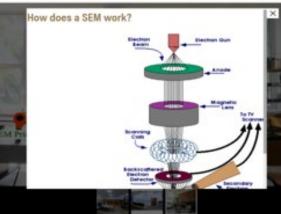




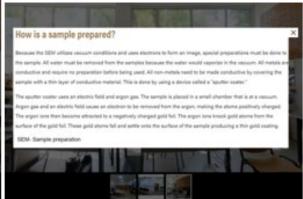


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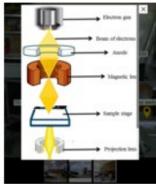


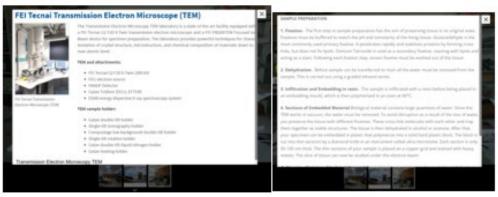




Examples of information that can be found in the Testing and Materials laboratory











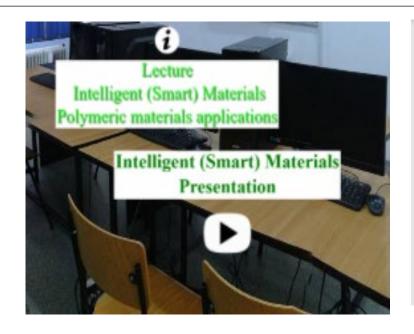


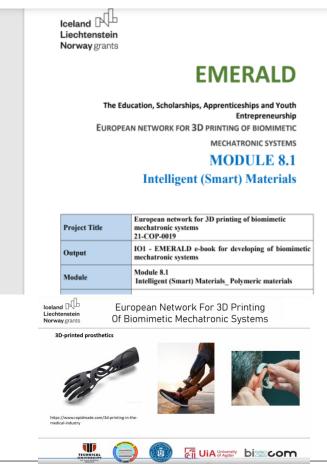


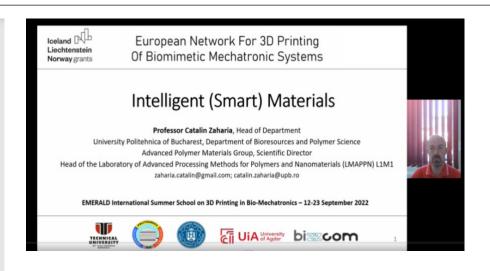




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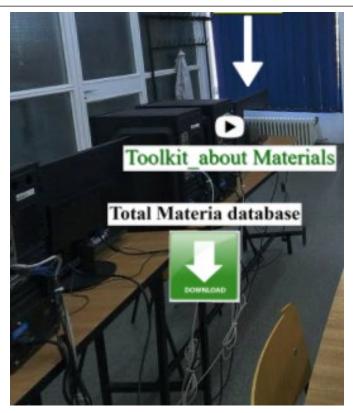








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Materials toolkit



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