

REPORT – ME 1

Multiplier Event on Research Base Learning Method for Teaching in Bio-Mechatronics, hosted by University Politehnica of Bucharest, in Bucharest, Romania on 2nd September 2022

The First Multiplier Event (ME1) of the project “EMERALD - European network for 3D printing of biomimetic mechatronic systems”, strategic partnership 21-COP-0019, took place on 2nd September 2022 and were participated 16 from different institutes (not involved in project and out of UPB) and 17 participants from UPB and from the project participants. The event was hosted by the **University Politehnica of Bucharest, Romania**.

The event was attended by representatives of the 5 partners: Technical University of Cluj-Napoca (TUCN) – Romania, University of Agder (UiA) – Norway, Bizzcom s.r.o. – Slovakia, Poznan University of Technology (PUT) – Poland, University Politehnica of Bucharest (UPB) – Romania.



The Multiplier Event on Research Base Learning Method for Teaching in Bio-Mechatronics started at 9.00, having the participants registration, the event opening with Mr. Prof.Dr.Eng. Nicolae Ionescu (U.P.B.) and Mr. Prof.Dr.Eng. Tom Savu (U.P.B.). Ms. Assoc.Prof.Dr.Eng. Diana Băilă realized the EMERALD project presentation and the coordinator of EMERALD project Mr. Assoc.Prof.Dr.Eng. Răzvan Păcurar presented main aims, actions and activities of the project.



Mr. Prof.Dr.Eng. Filippo Sanfilippo from University of Agder, Norway presented his institution and robotics components used in medical domain.

Mr.Prof.Dr.Eng. Filip Gorski from Poznan University of Technology presented his institution and bio-mechatronics development realized on different patient cases. At 11,00, was realized a Coffee Break.

The companies from Additive Manufacturing domain, LEYCOM and ADMASYS were participated at the Event, with 4 manufacturing systems (that used metallic filaments, photo-polymerizable resins and plastic filaments) and different complex parts realized by new materials. They presented additive manufacturing prostheses realized by SLM, SLS, SLA, Fresh 3D Printing.



Then Mr.Prof.Dr.Eng. Cătălin Zaharia explained the Intelligent (Smart) Materials. All professors that presented during Multiplier Event to the participants, used new teaching methods that allowed the participants to understand more easily.



At the project final was realized the round table discussions about the future potential collaboration in the bio-mechatronics and 3D Printing domain with Ms.Assoc.Prof.Dr.Eng. Diana Băilă.

After that were realized the final conclusions.

Contact:

UPB Responsible: Assoc.Prof. Diana-Irinel BĂILĂ (baila_d@yahoo.com; diana.baila@upb.ro)

Address: University Politehnica of Bucharest, Blv. Splaiul Independenței, nr. 313, sec 6, cod RO-060042, Bucharest, ROMANIA

Bucharest, ROMANIA

2022