

REPORT – ME 3

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

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

The Third Multiplier Event of the project “EMERALD - European network for 3D printing of biomimetic mechatronic systems”, strategic partnership 21-COP-0019, took place on 13th September 2023 with 40 participants coming from different institutions from outside the EMERALD project consortium (professors and students coming from Slovak University of Technology in Trnava, representatives of the industry, etc.) and with 15 participants coming from the EMERALD consortium (Technical University of Cluj- Napoca (TUCN) – Romania, University of Agder (UiA) – Norway, Bizzcom s.r.o. – Slovakia, Poznan University of Technology (PUT) – Poland and University Politehnica of Bucharest (UPB) – Romania).



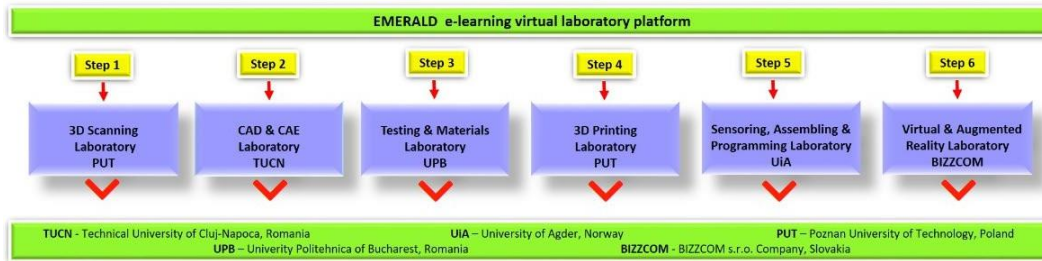
The Multiplier Event on the Experiencing of e-Learning Platform for Biomechatronics has started at 9.00 with the participants’ registration, being continued with the opening and welcome speech that has been delivered by Branislav Rabara, director of BIZZCOM s.r.o. company (<https://bizzcom.sk/en/home/>).

The progress, actions, KPIs and achievements of the project have been presented by the coordinator of the EMERALD project, Assoc.Prof.Dr.Eng. Răzvan Păcurar from the Technical University of Cluj-Napoca (Romania), with one key focus oriented on the EMERALD e-learning platform that has been conceived within the EMERALD project with the main aim of familiarizing anyone interested in comprising the logical steps that are needed to be followed in the process that is necessary for the conceiving and developing of new biomimetic mechatronic systems for people with special needs (amputated arms) that are realized by 3D printing technologies.

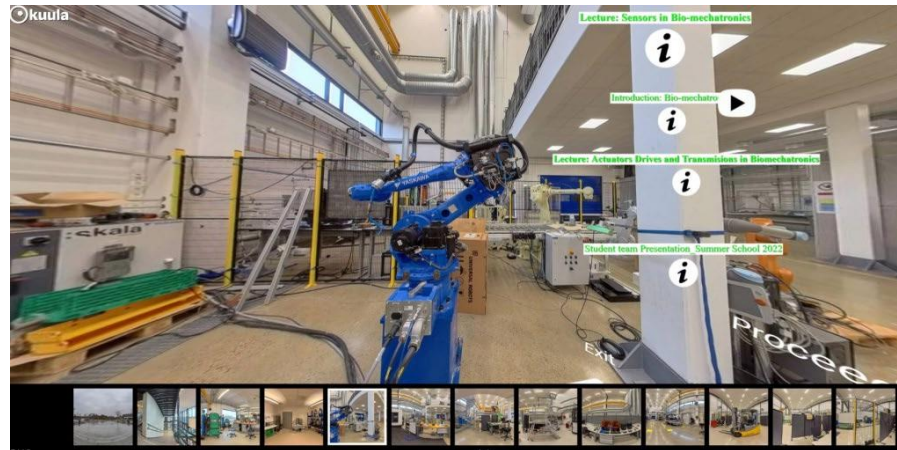
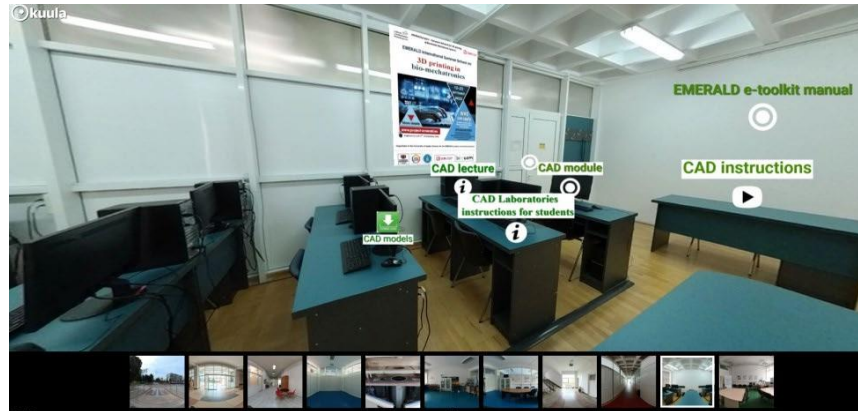
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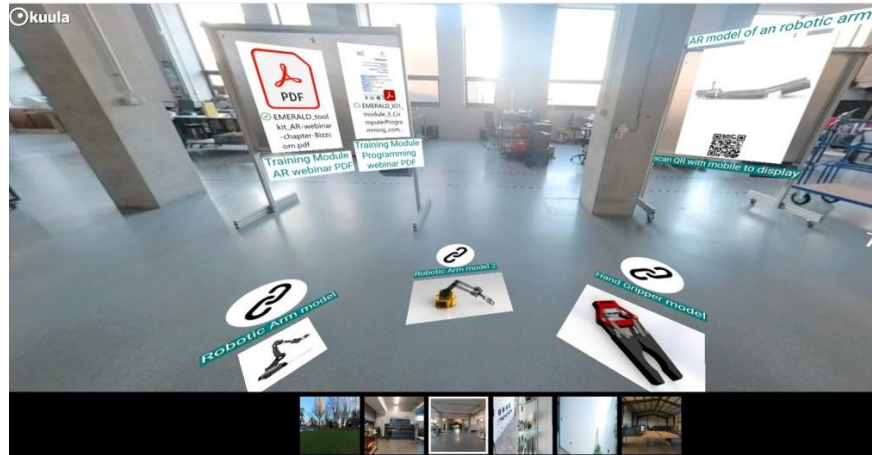
In continuing, representatives of each partner of the EMERALD project consortium, Assoc.Prof.Dr.Eng. Razvan Pacurar (Technical University of Cluj-Napoca, Romania), Prof.Dr.Eng. Filippo Sanfilippo from University of Agder (Grimstad, Norway), Associate Prof.Dr.Eng. Filip Gorski from Poznan University of Technology (Poland), Associate Prof.Dr.Eng. Diana Băilă from University Politehnica Bucharest (Romania) and Martin Zelenay on behalf of Bizzcom s.r.o company in Bucany (Slovakia) have provided presentations regarding virtual laboratory rooms and e-learning facilities that are included within the e-learning platform that has been conceived within the EMERALD project - https://project-emerald.eu/?page_id=404.



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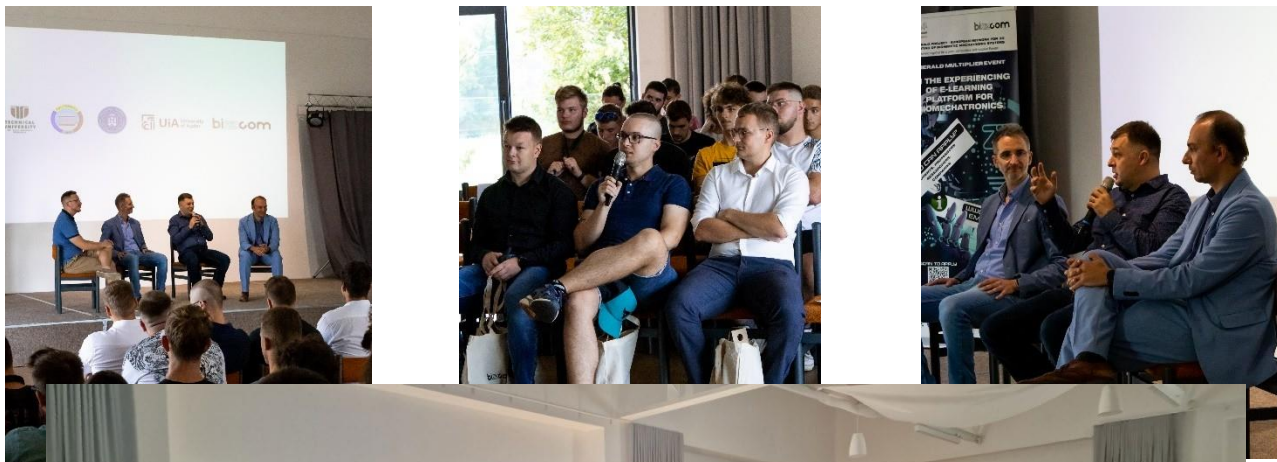
After the coffee break, all attendees to the Multiplier event had the chance to experience the virtual rooms of the EMERALD e-learning platform for bio-mechatronics by using the computers provided by BIZZCOM company or their own mobile phones, being asked to provide feedbacks related to the educational resources that were integrated within the e-learning platform. In the same time, since within the e-learning platform conceived by the EMERALD project consortium, there are integrated VR / AR / Mixed Reality applications, all attendees had the chance to experience all these applications using tablets or VR goggles that have been prepared in the testing / prototyping room at BIZZCOM s.r.o. company in Bucany (Slovakia).



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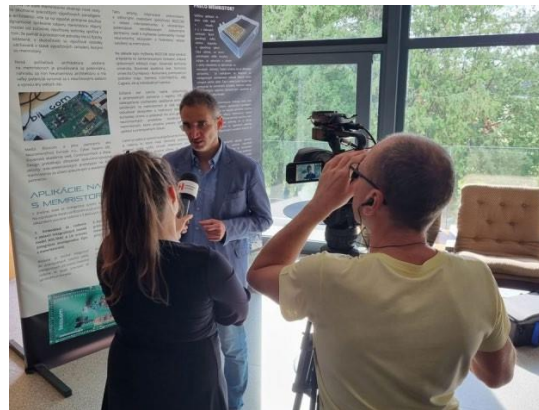


Round table discussions were held by the EMERALD consortium partners with the attendees to the Multiplier Event, through which there were drawn the main conclusions about the experiencing of the e-learning platform for bio-mechatronics that has been conceived within the EMERALD project.



Discussions related to feedbacks /aspects that are still necessary to be improved concerning the e-learning platform have also been carried out, as well as related to the possibilities of exploiting the existing resources for realizing of potential BSc / MSc / PhD thesis in co-supervision regime under the coordinating of the professors involved in the EMERALD project in the future. Possibilities of joining and applying for different research and educational projects in the topic of 3D printing with applicability in bio-mechatronics domain have been discussed in the end with the representatives coming from industry who have attended the event.

One big plus of the Multiplier Event has constituted the presence of a TV station of Slovakia - Hlohovská televízia – who have realized interviews with the EMERALD consortium representatives and few participants that have been attending the Multiplier Event, news about the event being broadcasted in Slovakia, disseminating of the results reached within the EMERALD project related to the virtual e-learning platform for bio-mechatronics being realized on a wider scale in this way (see: https://www.youtube.com/watch?v=KHTORz_EcXk).



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The e-learning platform specifically designed within the project 21-COP-0019 EMERALD, which aims to provide to everyone that are interested by this field the knowledge and skills that are needed for the developing, manufacturing and testing of bio-mechatronic systems for people with special needs (amputated arms) made through 3D printing - https://project-emerald.eu/?page_id=404 will remain open and will be freely accessible in the future. This e-learning platform is intended to serve as a solid foundation for identifying new needs and challenges in the field of bio-mechatronic systems by the EMERALD project consortium partners and other partners coming from higher education institutions or companies that might be interested in continuing the research directions that have been developed within the 21-COP-0019 – EMERALD project in the future.



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More information about EMERALD project can be found on the following link: <https://project-emerald.eu/>

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