DIDŽDVARIO GIMNAZIJA

National Research Council of Italy
Institute for Educational Technologies

UNIVERSITAS GALATIENSIS

Funded by the Erasmus+ Programme of the European Union

MULTIPLIER EVENT

INTRODUCTION TO ROBOTICS, 3D PRINTING AND MOBILE DEVICES. FROM DESIGN TO PRODUCTION AND EXHIBITION.

29TH OF OCTOBER 2021

Event organized with the support of:

STEAM education and learning by Robotics, 3D and Mobile technologies - FabLab SchoolNet

Project No. 2018-1-LT01-KA201-047064

FABLAB SCHOOLNET

FabLab SchoolNet Project

FabLab SchoolNet project overall objective is the creation of a transnational network by applying the "learning-by-doing" & "hands-on" activities in students' classes, encouraging them to participate more intensively, in an interactive way from concept, design, prototyping, marketing and production, with the support and participation of the FabLab (Fabrication Laboratories) from companies and universities. Specifically, the project proposes a cycle of training for teachers, supported by tutors and experts, in topics related to STEAM (Science, Technology, Engineering, Art and Mathematics) disciplines. Subsequently, a training program for students will allow them becoming familiar with concepts related to manufacturing, networking, development of new ideas and creativity. At the end of each training cycle a contest will be launched in order to stimulate student's creativity through discussion with entrepreneurs, thus, acquiring the ability to think and develop suitable models and ideas for the real market. The aim is to engage students at every stage of the creation of new creative and innovative products. The final aim is to stimulate connections between learners and the real market, redefining business skills to "think global and to act local".

The project ensures a transnational approach, which is the only viable solution, in increasing students' ability to be included in international networks, deal with young people from different cultures and think to produce ideas in a global market. The FabLab SchoolNet project results focuses on the development of training programs, educational materials, the creation of professional profiles and the increase of student's skills in educational manufacturing and robotics, mobile devices and 3D printing.

Multiplier Event Objectives

The multiplier event is organized by "Dunarea de Jos" University of Galati, at the end of the FabLab SchoolNet project implementation period. The main theme of the event is related to how innovative technologies, in conjunction with learning by making approach, can improve entrepreneurship opportunities for young students. The event is targeted to students, teachers, designers, engineers, technologists, entrepreneurs and hobbyists in order to improve their skills and experience with innovative technologies (robotics, 3D printers and AR/VR etc.). In addition, the presence of companies was encouraged, in order to combine the non-formal learning with the world of work.

AGENDA

Wednesday, 29th of October 2021

9:30-10:00	**Registration of participants**
	English Language Session
10:00-10:20	**Welcome speech** **Vice-Rector, Prof. Silvius STANCIU, PhD** *"Dunarea de Jos" University of Galati, Romania* **Dean, Prof. Elena SCUTELNICU, PhD** *Faculty of Engineering, "Dunarea de Jos" University of Galati, Romania* **Inspector – Technical Diciplines, Prof. Corina TATU** *Galati School Inspectorate, Romania*
10:20-10:30	**Overview of the FabLab SchoolNet project** **UDJG Project Responsible, Assist. Prof. Carmen Catalina RUSU** *Faculty of Engineering, "Dunarea de Jos" University of Galati, Romania*
10:30-11:30	**FabLab SchoolNet project implementation in partner's countries** **CNR_ITD Responsible, Cerc. Davide TAIBI, Mariella FARELLA** *National Research Council of Italy – Institute for Educational Technologies, Palermo (CNR-ITD), Italy* **Project Manager, Sonata DEDŪRAITĖ, Prof. Marius SKETERSKAS** *Siauliu Didzdvario Gimnazija, Lithuania* **Vice-President, Prof. Eleni AVDELIDOU, Prof. Evangelos AVDELIDIS** *2 EPAL TRIKALON, Trikala, Greece* **Prof. Ivlina KYOSEVA, Prof. Daniela TASCHIYAN** *Varnenska morska gimnazia "Sv. Nikolai Chudotvorec", Varna, Bulgaria* **Eng. Pierangelo di BENEDETTO, Marcella PIZZUTO** *FabLab Palermo, Italy*
11:30-12:00	**Coffee Break**
	Romanian Language Session
12:00-12:30	**Robotics, 3D printing and augmented reality technologies and application for school education** **Assist. Prof. Luigi Renato MISTODIE, PhD** *"Dunarea de Jos" University of Galati, Romania*
12:30-12:45	**Educational robotic activities for high-schools in Galati** **Prof. Viorica ARTENIE** *Technological High School "Costache Conachi", Pechea, Galati, Romania*
12:45-13:00	**Educational robotic activities for high-schools in Vrancea** **Prof. Sandel AGACHE** *Center of Excellence for Educational Robotics, Focsani, Vrancea, Romania*
13:00-13:15	**Virtual Reality and Augmented Reality. From education to applications** **Eng. Marius Petrut IVANOV** *ALTFACTOR, Galati, Romania*
13:15-13:30	**Q & A session.**
13:30-15:00	**Networking and discussions.**