

Conference



Opportunities and challenges for implementation in real classrooms

Saturday, **December 7 2024**, 8:45-1:30

Ceremony Hall, Old Campus, University of Cyprus, 75 Kallipoleos Avenue, Nicosia

CONFERENCE PROGRAM:

08:45- 09:15	Registration
09:15- 09:35	Welcome speech: Dr. Zacharias Zacharia, <i>Department of Education, University of Cyprus</i> Costas Sisamos, <i>Research & Development Department, ENGINO-NET LIMITED</i> Panayiotis Zymaridis, <i>Inspector of Secondary Education for Design and Technology, Ministry of Education, Sports, and Youth</i>
09:35- 10:15	Keynote speech: Designing learning environments for making, building, and broadening participation <i>Prof. Dr. Anne Keune, Technical University of Munich</i>
10:15- 10:35	How to integrate a makerspace in the regular classroom: Pedagogical design, implementation and assessment <i>Dr. Anastasios Chovardas, Department of Education, University of Cyprus</i>
10:35- 11:00	Developing new technologies for successfully implementing Makerspace labs in Primary and Secondary schools <i>Costas Sisamos, Research & Development Department, ENGINO-NET LIMITED</i>
11:00- 11:30	Coffee Break
11:00- 13:30	Workshops: 1. 2D Design & Laser cutter (Room: A014) 2. 3D Design & 3D-printer (Room: B001) 3. Electronics: Arduino & Micro:bit (Room: B002) 4. Pedagogical design for utilizing Maker Education (Room: B003)

Register here: [Registration Form](#)

Please only register in this link if you will attend the presentations and workshops in person.

All speeches will be live-streamed. Workshops will not be broadcast.
To watch the speeches online, register here:

[Online Registration Form](#)

Certificates of participation will be awarded only to those attending both the speeches and workshops in person.

Important Information:

- All speeches will be conducted in English.
- The workshops will be conducted in Greek and in English.
- All attendees will have the opportunity to participate in all four workshops.
- Participants must bring a laptop, on which ENGINO-NET LIMITED software will be installed. Installation instructions will be sent to registered participants one week before the conference.
- The software will be provided to all participants (both in-person and online). The software will provide free access for six months to 2D and 3D object design tools.

Project Information:

ENGINO-NET LIMITED and the ReSciTEG research group from the University of Cyprus are concluding their participation in the MAKERSPACE project (INNOVATE/1221/0052). The project is co-funded by the Cyprus Research and Innovation Foundation.

The MAKERSPACE program aimed to develop a new ecosystem of pedagogical solutions related to STEM (Science, Technology, Engineering, and Mathematics) education and the Engineering Design Process by utilizing materials and technologies found in a MAKERSPACE. One of the key goals was to develop and implement educational material for primary and middle school students. This material is based on the creation of functional constructions to solve presented problems. Students were asking to use traditional tools (e.g., wood-cutting machines), 2D and 3D design software, laser cutters, 3D printers, and electronic components (e.g., Micro:bit, Arduino) to create their constructions.

At the conference, the educational material and implementation results will be presented. Additionally, hands-on workshops will be conducted for educators to acquire programming knowledge, 2D and 3D design skills, and pedagogical design expertise for utilizing Maker education in their classrooms.

Organizers:



The Project is co-funded by the European Union - NextGenerationEU



Χρηματοδοτείται από
την Ευρωπαϊκή Ένωση
NextGenerationEU

