



Key Action 2
„Robotics ON” Strategic Partnership



Newsletter no 7

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„Robotics ON” Project

Strategic Partnership supporting innovation
Erasmus + Programme, Key Action 2
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PARTNERS:

P1. Colegiul Național "Constantin Carabella"

Târgoviște, **ROMANIA**

website: www.carabella.ro

P2. Anyksciu Jono Biliuno gimnazija

Anykščiai, **LITHUANIA**

website: www.bilngimn.lt

P3. Budapesti Gépészeti Szakképzési Centrum Szily Kálmán Műszaki Szakgimnáziuma, Szakközépiskolája és Kollégiuma

Budapest, **HUNGARY**

website: <http://www.szily.hu>

P4. Istituto Istruzione Superiore A.Volta

Frosinone, **ITALY**

website: www.voltafr.gov.it

P5. S.C. SKA NET SRL

Bucharest, **ROMANIA**

website: www.itadviser.ro

P6. IMPLEMENT 24SOFTWARE SRL

Bucharest, **ROMANIA**

website: www.24software.ro

TARGET GROUP:

84 students (15-18 years old), 21 from each school, students interested in personal development, using ICT in the design and the creation of robots, activities that will stimulate and increase the chances of employment at the right time.

OBJECTIVES:

1. Developing digital and entrepreneurial skills relevant to personal development and career.
2. Increasing the autonomy in terms of personal and professional development of the 84 students in Robotics Clubs, at least 32 of them competitive in programming / robotics.
3. Developing the capabilities to adapt, promote and exploit digital technologies by creating a robot, in each partner school, which solves a problem identified at school level.



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THE MULTIPLIER EVENTS „YOUNG PROGRAMMERS JOIN ROBOTICS CLUB” CONFERENCES

Among the main activities proposed in the application of the project, there have also been two multiplier events which took place at the end of the second year of the project, that is on the 13th of September (E1) in Lithuania and on the 23rd of September (E2) in Romania.

The participants in the both multiplier events were selected by the partner schools so as to ensure the transferability of the two intellectual outputs developed within the project, in various professional environments, with maximum success. The participants represented relevant public institutions from the local communities from all the partner countries (school inspectorates, universities), youth and/ or professional associations, NGOs active in education, private business sector, parents’ associations etc.



The main objective of the two multiplier events was to present the final products of the project to a relatively large number of participants, able to convey the ideas, the activities and, why not, the emotions generated by participating in such a project.



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THE MULTIPLIER EVENT E1

September 13, 2019, LITHUANIA

Organized at Anykščių Jono Biliūno Gimnazija in Lithuania on September 13th, 2019, the conference "*Young Programmers Join in Robotics Clubs*", a multiplier event, was attended by 33 guests, 6 of whom represented the three partner countries involved in the Erasmus+ Key Action 2 project "Robotics ON" – Hungary, Italy and Romania. The rest of the attendees were teachers and students from the schools situated in the district of Anykščiai as well as a few reporters from the local press. The conference was held with the purpose of drawing the conclusions of and disseminating the activities carried out at school and beyond within the two years of project implementation.



The project coordinator of the partner country 2, Andrius Vitkūnas, and the Robotics club teacher responsible, Asta Fjellbirkeland, hosted the event. During it, the guests were introduced to the specific character and other peculiarities of Erasmus+ projects conducted in Lithuania.

As well as that, the attendees were given a brief summary of all the activities completed throughout the project implementation period as well as the objectives and concept of the project itself and how the objectives were achieved. To prove the successful process of implementation, the students belonging to the project target group demonstrated the robot they had made to address the problem of increased work load for the school librarians and make the book-borrowing procedure quicker, easier, and therefore more efficient and attractive for the students.



In addition, the students shared their ideas of how the constructed robot can be further developed so that what has been started by this project could be continued in the future through involvement of new members in the Robotics Club and construction of new robots.



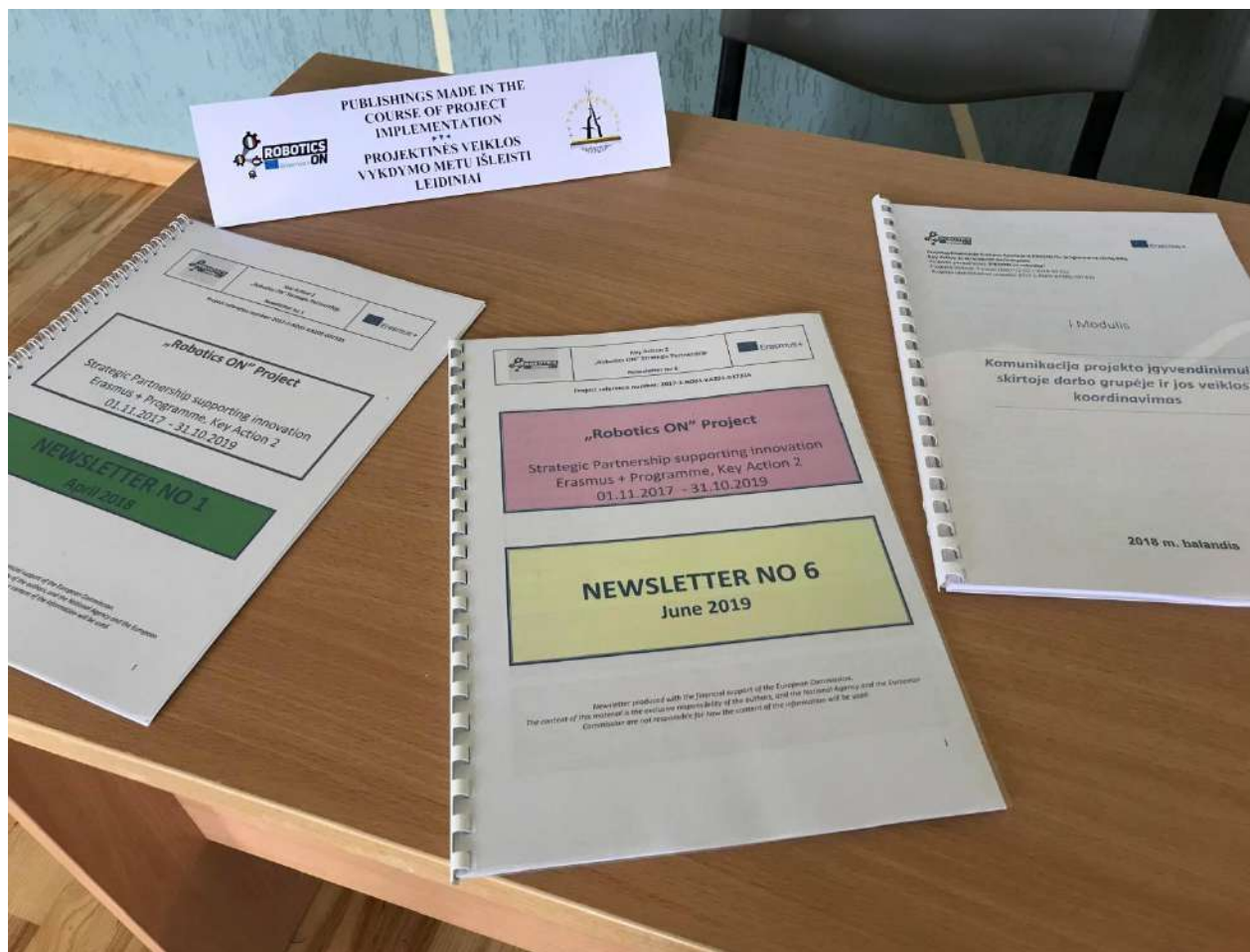
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In the agenda of the conference:

- Specific character and other peculiarities of Erasmus+ Programme implementation in Lithuania;
- Introducing the “Robotics ON” project: concept, objectives, relevance, SWOT analysis, problem selected to be addressed, implementation process, encountered obstacles and their solution, value and experience gained;
- Sharing good practice and other valuable experience of project implementation as gained by Lithuanian teachers from other schools of the region in the Erasmus+ and similar programmes (short reports given by Lithuanian teachers); discussing the future value of the project activity implemented in the fields of education and training;
- *“Why use eTwinning platform?: Benefits and Prospects Available”* – a report given by the eTwinning ambassador;
- Sharing experience gained in the course of the project implementation by students from the Project target group; demonstrating the constructed robot; presenting possibilities for application of a robot in the future.





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Later, the conference participants were told about the numerous recent opportunities and benefits offered by the eTwinning platform that they could use for developing other Erasmus+ projects at their school with strategic partners from schools based all around the EU.

Finally, several teachers from other schools located in the region shared their valuable experience of successful project implementation in order to encourage the attendees who were rather dubious about the overall value of Erasmus+ projects.





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The conference was concluded with the handing of the certificates of attendance to the participants, followed by the completion of the questionnaire intended for the evaluation of the project and feedback on the activities offered by the event.



The meeting was a true success as it has achieved every goal it set to itself from the beginning, but more importantly, it brought the like-minded people who had a pleasure of either sharing their ideas or learning a lot of new things to be brought home and used in their schools in the future.



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THE MULTIPLIER EVENT E2

September 23, 2019, ROMANIA

The second final conference „Young Programmers Join in Robotics Clubs” took place in Târgoviște, Romania, on September 23rd, under P1 coordination, with the participation of 30 people from the following categories: teachers (others than from the project partners), school inspectors, trainers, representatives from the „Valahia” University, the Polytechnic University of Bucharest, the „Transilvania” University, representatives of some private software companies, of some professional associations, NGOs active in education, private business sector, parents’ associations, media representatives.



The agenda of the conference included:

- **Introducing the „Robotics ON” project:** concept, objectives, implementation process, outcomes, intellectual outputs, project impact, value and experience gained;
- **The intellectual outputs developed within the partnership:** the curricula „Robotics ON” and the web application <https://roboticson.eu/>;

- Carabella Robotics Club Challenges and Achievements (including <http://robotics.carabella.ro/>);
- ROBOTICS DEMO

The conference insured the promotion of the intellectual outputs O1 - „Robotics ON” curricula and O2- roboticon.eu web-application, developed during the project implementation, and put in highlights the educational benefits and ease of use as education tools of O1 and O2 in a formal or non-formal context, on various subjects and on a regular basis.





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The conference included presentations from the main persons involved in the project implementation and from other stakeholders.

The students' interventions in the second part of the conference enriched the event, the 3D printer as well as the the robots demonstrations realised by them put in value the competences acquired by the students within the Robotics club, the passion and the impact of this coagulated approach: school – private sector.

The event was concluded with the handing of the certificates of attendance to the participants following the completion of the questionnaire intended for the evaluation of and feedback on the activities offered by the event.

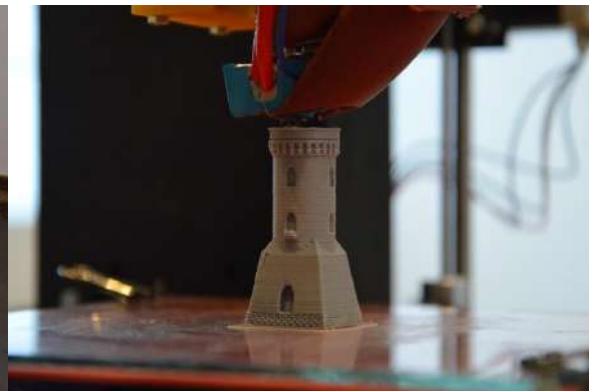
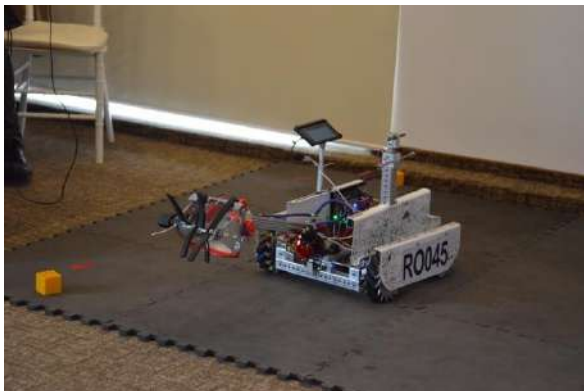




THE MULTIPLIER EVENTS IMPACT

The multiplier events were great opportunities for the six partners to share positive experiences and innovative working strategies improved and developed during this strategic partnership implementation. The main benefits put in highlight on the conferences were:

- strengthened institutional capacity through the exchange of innovative practices application and tools with the partners;
- improved educational offer through effective acquisition integration in both formal and non-formal teaching activities;
- improved organizational image and credibility in communities through an efficient promotion of educational activities on websites (of partner organizations and others), through multiplier event, as well as through dissemination actions previewed;
- increased cooperation of partners’ staff, at international level, increased management skills, better internationalization strategies;
- development of the European dimension of partners’ institutions educational activities;
- improved engagement in actions fostering an innovative development of EU communities;
- improved collaboration with the local community and authorities, and other regional partners.



Teodora Popa, Partnership Coordinator
Andrius Vitkūnas, P2 Project Coordinator
Mihaela Gabor, P1 Public Relation Responsible