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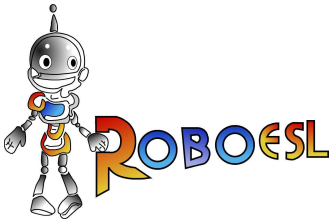

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ROBOESL Conference 2016 Proceedings

ROBOTICS-BASED LEARNING INTERVENTIONS FOR PREVENTING SCHOOL FAILURE AND EARLY SCHOOL LEAVING

Editor: Rene Alimisi

Edumotiva- European Lab for Educational Technology

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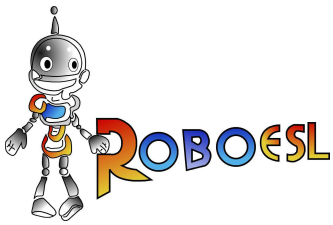

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Declaration

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Funding Disclaimer

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Preface

This volume contains the papers presented at the International ROBOESL conference entitled "Robotics-based learning interventions for preventing school failure and early school leaving" held in Athens, November 26, 2016 www.roboesl.eu/conference

The conference was organised by EDUMOTIVA (Greece, www.edumotiva.eu), at the Technopolis City of Athens with the support of the 7th Secondary Education School Committee of Athens Municipality and the 6th Laboratory Center A Piraeus in the context of the Erasmus+ project ROBOESL "Robotics-based learning interventions for preventing school failure and early school leaving" (ERASMUS+ Project RoboESL: 2015-1-IT02-KA201-015141). The ROBOESL conference aimed at presenting and discussing the intellectual Outputs O1, O2, O3 as they have been developed by the ROBOESL partnership so far.

The conference consisted of 2 core sessions:

1. An exhibition on educational robotics by ROBOESL project partner schools of Athens and Piraeus and other local schools.

2. Paper presentations by ROBOESL project partners and other educational practitioners and researchers with interest in the area of educational robotics and social inclusion.

The conference started with the exhibition of robotic projects. In total 19 school groups with more than 100 students took part in the ROBOESL exhibition. The students took an active role in demonstrating their work to the public and elaborating on their robotic projects. Lego Mindstorms, Arduino, Scratch and other programming and robotic technologies were deployed resulted in innovative and creative projects. The audience had the chance to discuss with the makers and to explore more the ideas underpinning their work.

The conference continued with paper presentations by the project partners and other educational practitioners and researchers with interest in the area of educational robotics for motivating learning and school engagement. In the context of the paper presentations the ROBOESL intellectual outputs O1, O2, O3 and relevant activities were presented in detail as well as the educational experiences from project partners school sites (in Greece, Italy and Latvia).

It is estimated that more than 200 participants joined the conference and 153 were officially registered.

Given the high participation rate and the satisfaction of the participants, the annual repeat of the conference appears as a sensible decision. This sets a new goal that is in line with the plans of the project partnership towards sustainability of the project results.

We cordially thank all the authors, presenters and delegates for their valuable contribution to this successful event. The conference would not have been possible without their support. The use of EasyChair (https://easychair.org) for organising the conference and creating the proceedings is greatfully acknowledged.

The editor

February 3, 2017
Athens

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