

Project code: 2019-1-IT02-KA201-063073



Co-funded by the
Erasmus+ Programme
of the European Union

KA201: Strategic Partnerships for school education



RoboPisces

**“innovative educational ROBOTics
strategies for PrImary School Experiences”**

C2: Short-term joint staff training events

Course:

**“Design of Excellent Educational Robotics Courses
with Open Education Resources”**

Responsible Organization: University College Dublin

Version 08.11, Date: 11/08/2021



“Design of Excellent Educational Robotics Courses with Open Education Resources”

Leading Organisation:

UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN (UCD)

Venue:

UCD School of Computer Science, No 17

UCD Campus map: C6

<https://www.ucd.ie/t4cms/UCD%20Student%20Centre.pdf>

Lecture Theatre (Ground Floor) B004.



Room Number:	B004 CSI
Room Name:	COMP B004
Building Name:	Computer Science and Informatics Centre
Image Last Updated:	01 Oct 2014
Floor:	Ground Floor
Configuration:	Fixed Seating
Capacity:	70
Equipment:	DVD Player Data Projector Single HDMI port only VGA Connection
Features:	White Board
Additional Information:	Normal Capacity: 220 Social Distance Capacity (1M): 71
Room Description:	Theatre

Note: No food or drink is allowed at the training venue (10.00-12.00 & 13.00 - 15.00)



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Facilitators:

Name of partner organization/Country	Name of the Facilitator
University College Dublin, National University of Ireland, Dublin (UCD), Ireland	Dr. Eleni Mangina, Professor
University of the Aegean (UAegean), Greece	Dr Konstantinos Karampelas, Teacher Sarantis Karvounidis, Teacher Anastasia (Nancy) Pyrini, Teacher George Sarrigeorgiou, Teacher Dr Konstantinos Tsolakidis, Professor Emeritus
Istituto Comprensivo "Solari" di Loreto (AN), Italy	Livia Alesi, Teacher
Maria Regina College - St. Paul's Bay Primary, Malta	Mark Azzopardi , Assistant Head of School
Osnovna skola Titusa Brezovackog, Croatia	Sanja Martinko, Teacher
Delivering online via zoom	
University of Latvia, Latvia	Dr Linda Daniela, Professor M.ed. Arta Rūdofa

Participants

Leading/Host Organisation	Country	Participants
University College Dublin, National University of Ireland, Dublin (UCD), Ireland	Ireland	1. Dr. Eleni Mangina, Professor
Sending Organisation	Country	Participants
University of the Aegean (UAegean), Greece	Greece	2. Dr Konstantinos Karampelas, Teacher 3. Sarantis Karvounidis, Teacher 4. Ioannis Koutzamanis, Teacher





		<ol style="list-style-type: none"> 5. Anastasia (Nancy) Pyrini, Teacher 6. George Sarrigeorgiou, Teacher 7. Dr Konstantinos Tsolakidis, Professor Emeritus
Istituto Comprensivo "Solari" di Loreto (AN), Italy	Italy	<ol style="list-style-type: none"> 8. Livia Alesi, Teacher
Maria Regina College - St. Paul's Bay Primary, Malta	Malta	<ol style="list-style-type: none"> 9. Mark Azzopardi , Assistant Head of School 10. Adrian Azzopardi , Assistant Head of School 11. Edith Bondin, Assistant Head of School 12. Daniela Scicluna, HOD Digital Literacy 13. Daniela Cilia, Class Teacher 14. Deborah Portelli, Class Teacher
Osnovna skola Titusa Brezovackog, Croatia	Croatia	<ol style="list-style-type: none"> 15. Mirjana Torer, Headmaster 16. Sanja Martinko, Teacher 17. Katarina Radanović Klipa, Teacher 18. Mira Topić, Teacher 19. Mateo Bučar, Teacher 20. Ivana Bubalo, Teacher 21. Anamarija Kosina, Teacher
Participating online via zoom		
Università Politecnica delle Marche	Italy	<ol style="list-style-type: none"> 1. Dr David Scaradozzi, Coordinator 2. Dr Giacomo Fiara, Researcher 3. Dr Manuele Silvestrini, Researcher 4. Dr Laura Screpanti, Researcher
University of Latvia	Latvia	<ol style="list-style-type: none"> 5. Dr Linda Daniela, Professor 6. M.ed. Arta Rūdolfā



1 Course Aims and Objectives

The course objective is to give teachers the digital competences to fully exploit the online materials, supporting the production and adoption of Open Educational Resources (OER) as a strategic priority, key to addressing the current need to rethink and develop education in a way that is compatible with societal development and development of the skills required in the 21st century. In fact, nowadays it is seen a limited reuse and repurposing of OER by educators, manifested by a tendency to use OER as supplementary rather than primary material. Often, it is attributed to the lack of incentives for reuse, limited proof of effectiveness and lack of digital and pedagogical skills on the part of educators. This course aims to fill these needs in the participants to make OER having a substantial impact on education and society (Proposal, page 141).

2 Expected Learning Outcomes

Course participants will achieve the following outcomes:

- better understanding of the role of repositories in the Educational context;
- updated knowledge of important repository parameters and latest trends;
- increased awareness of why repositories are an important tool in education and learning;
- improved knowledge about the overall design phase of a course with digital and open instruments;
- improved knowledge on repositories function and on the extent to which repositories can support data and information research systems;
- enhanced awareness of the concepts of the semantic web and linked data;
- practical experience of contribution to an online repository of publications gained;
- practical pedagogical knowledge on how to organize and evaluate technology enhanced learning;
- practical pedagogical knowledge on how to organize inclusive education;
- practical pedagogical knowledge on how to design and use assessment tool Kahoot!;
- SMART Pedagogical Knowledge to Support Technology Enhanced Learning.





3 Information for Onsite Participants

3.1 Travelling to Ireland

If you are travelling to Ireland from abroad you must fill out a [Passenger Locator Form](#) before departure.

You also have to have appropriate valid proof of vaccination or recovery, or to present evidence of a negative RT-PCR result from a test taken within 72 hours prior to arrival into the country.

A relevant EU Digital COVID Certificate constitutes valid proof. However, non RT-PCR tests are not acceptable for entry into Ireland and passengers with a Digital COVID Certificate based on a non RT-PCR test (for example, antigen) require proof of an additional negative RT-PCR test taken no more than 72 hours before arrival.

Please follow Department of Foreign Affairs travel advice prior to travelling to Ireland:

<https://www.dfa.ie/travel/travel-advice/>

3.2 Prior to arrival

1. All participants have confirmed that they are not high risk contact.
2. All participants have confirmed that they will be self-checked negative prior to attending the training.
3. Please bring with you your EU Vaccination certificate (at least 14 days fully vaccinated prior to your entry in Ireland).
4. If you do not have an EU Vaccine certificate, please provide a written declaration to be submitted to the Host Organisation to that effect and proof of a negative test.
5. Please bring your own laptop (access to Wi-Fi is provided).
6. Please bring your own face masks to be worn from the moment you enter the building and for the duration of the training.

3.3 Lunch breaks

Lunch breaks will take place at UCD Staff Club Café (12.00 - 13.00) in a reserved area

Demonstration of the EU Vaccine certificate is required:

<https://www.ucd.ie/universityclub/clubdining/clubcafe/>

You can view the lunch menu on a daily basis and pay at check out on the day:

https://www.ucd.ie/universityclub/t4media/Cafe_Menu_v3.pdf

3.4 During the Training

1. Sanitising materials will be provided.
2. You will be able to download the training materials for each day of the training from the project repository. Teachers/trainees have access to the RoboPisces repository at <https://www.robopisces.eu/repository/> In the repository you can upload/download the materials created for the activities of the curriculum.





3. Seating records will be kept during and after the training for contact tracing if needed. You will find your seating allocation at B004 upon arrival with a number printed based on the number allocation at the Table “Participants” p. 3-4.
4. No presentations will be allowed at the podium apart from the organiser and you will be able to share your screen via the zoom facilities we have if you are presenting.

3.5 Risk control measures

1. Only attend training when well. If you arrive and feel unwell, please let Prof. Eleni Mangina know and we will provide a hybrid format training for you to participate from your hotel.
2. Vigilance to always ensure physical distancing when at training (min. 2m).
3. Use of face coverings when in buildings.
4. Use of physical screens of your own where appropriate.
5. Adherence to good hand, respiratory and general hygiene.
6. Adherence to HSE guidance on self-isolation in specified circumstances.
7. Keeping of personal contact diaries.
8. Use of Government Tracker App:
<https://www.gov.ie/en/service/da832-download-the-covid-tracker-app/#>
9. We will use Work Pod model as appropriate for daily sustained contacts
10. The wearing of face coverings by staff in teaching scenarios.
11. Note there is some concern around pregnancy and exposure to Covid post 28 weeks. Persons in this category who engage in sustained contacted should contact me and I will seek further advice from SIRC.





4 Training Programme

Zoom details for online participants

Important Note: Attendees need to register for each occurrence to attend

RoboPisces LTTA C2 recurrent Zoom meetings

When: Aug 30, 2021 10:00 AM **Dublin**

Every day, 5 occurrences

Register in advance for this meeting:

<https://ucd-ie.zoom.us/meeting/register/u5Eufu6urjliHNLvZVO2qFSk-lz62laFNlur>

After registering, you will receive a confirmation email containing information about joining the meeting.

Day 1		August 30, 2021 (4 hours)
10:00 – 12:00	Introduction to Open Educational Resources Dr Eleni Mangina, University College Dublin, Ireland	
<i>Break</i>		
13:00 – 15:00	How to Create Excellent Courses with Open Education Resources Dr Eleni Mangina, University College Dublin, Ireland	

Day 2		August 31, 2021 (4 hours)
10:00 – 12:00	Sharing Open Educational Resources Nancy Pyrini, University of the Aegean, Greece	
<i>Break</i>		
13:00 – 15:00	Description of MOOC on Educational Robotics Dr Costas Tsolakidis and Sarantis Karvounidis, University of the Aegean, Greece	





Day 3		September 1, 2021 (4 hours)
10:00 – 12:00	Adopting RoboPisces Open Educational Resources in the Classroom – Hands on OER! Dr Eleni Mangina, University College Dublin, Ireland	
<i>Break</i>		
13:00 – 14:00	Presentation of the Advanced Toolkit Dr Laura Screpanti, Università Politecnica delle Marche, Italy	
14:00 – 15:00	Quiz & Exercise for Training Assessment Dr Eleni Mangina, University College Dublin, Ireland and George Sarrigeorgiou, University of the Aegean, Greece	

Day 4		September 2, 2021 (4 hours) Facilitators on Zoom
10:00 – 12:00	SMART Pedagogical Knowledge to Support Technology Enhanced Learning Part I Dr Linda Daniela and Arta Rūdolfā, University of Latvia, Latvia	
<i>Break</i>		
13:00 – 15:00	SMART Pedagogical Knowledge to Support Technology Enhanced Learning Part II Dr Linda Daniela and Arta Rūdolfā, University of Latvia, Latvia	

Day 5		September 3, 2021 (4 hours)
10:00 – 12:00	Feedback from Teachers Facilitator: UAegean	
10:00 – 10:30	Presentation of the Greek Case Studies Dr Konstantinos Karampelas, University of the Aegean, GREECE	





10:30 – 11:00	Presentation of the Italian Case Study Livia Alesi, Istituto Comprensivo "Solari" di Loreto (AN), ITALY
11:00 – 11:30	Presentation of the Maltese Case Study Mark Azzopardi, Maria Regina College SPB Primary, MALTA
11:30 – 12:00	Presentation of the Croatian Case Study Mirjana Torer, Sanja Martinko, Katarina Radanović Klipa, Mira Topić, Mateo Bučar, Ivana Bubalo, Anamarija Kosina, Osnovna skola Titusa Brezovackog, CROATIA
Break	
13:00 – 15:00	Discussion, Conclusions, Further Steps for the 2nd year School-Based Implementation Facilitator: Dr Eleni Mangina, University College Dublin, Ireland

Contact Person

Prof. Eleni Mangina

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