



**Unimarconi**  
LA PRIMA UNIVERSITÀ  
DIGITALE ITALIANA

# Academic Highlights

Garagerasmus – HE European Networking Summiti

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ready to be launched



# Academic Highlights

## GARAGERASMUS – HE EUROPEAN NETWORKING SUMMIT

On 20 and 21 October 2022, Guglielmo Marconi University took part in a workshop handled by the Garagerasmus Foundation. Universities from all over Europe were invited to join the training event which took place in the EU quarter of Bruxelles.



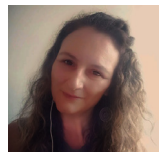
Garagerasmus promotes the cooperation among different institutions, universities and enterprises. It aims at enhancing the growth of cultural, study and job opportunities for students all around the world in the framework of the Erasmus Plus programme, as well as encouraging the internationalization through the implementation of different projects involving students and Higher Institution staff.

The meeting involved the participation of Vito Borrelli, Team Leader – Higher Education/Erasmus +, Nienass Niklas, Member of the EU Parliament – Committee on Culture and Education and Giorgio Marinoni, manager of Higher Education and Internationalization at International Association of Universities. The discussion was opened on the internationalization of Higher Education in the era of Covid-19 and the different ways for implementing it, through the new virtual and blended components. In this regard on-campus Universities should create a completely new methodology of teaching/learning in a short time range, while open Universities like Guglielmo Marconi were on one hand quite ready to face a new, changed world but on the other hand it should quickly manage all the exam terms in remote for all Italian and international students, like all the Universities did.

Different institutions took part in the workshop, such as Riga, Bucharest, Brussels, Roma, Pavia as well as managers of the Erasmus Mundus programme.

It was an important experience for sharing the results in terms of awareness of the students opportunities in Europe and beyond, through the improvement of the procedures for managing the “Erasmus going digital” process, as way for promoting and supporting inclusion.

by **Benedetta Canacari**



## ONLINE TEACHING METHODS AND OPEN SCIENCE IN ITALY

From the 18th to 20th October 2022, Guglielmo Marconi University hosted a workshop on the Online Teaching Methods and Open Science in Italy, as part of the MINERVA project, funded by the European Commission within the Erasmus Plus programme, KA2 Capacity Building in the field of Higher Education. The project aims to establish an Open Science system in the Armenian and Moldovan partner universities. 30 academics from the two countries therefore gathered to attend the training, which consisted of speeches by Unimarconi professors: Prof. Matteo Martini, the scientific coordinator of the project in question; Prof. Domenico Morreale, who spoke on "Transmedia and game-based education for online experiential learning".

In particular he stressed about the importance of emphasizing the teachers' needs for familiarization with the new technological conditions. Prof. Francesco Ugolini, on the other hand, talked about the history of the Open Education in Europe over the last 20 years, explaining more widely the increasing pressure on universities to provide flexible learning environments and access to resources.

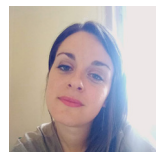
On the second day, Prof. Enrico Bocci presented all the scientific research activities of Unimarconi and spoke about the importance of the repository system for the scientific results obtained. While, Prof. Ernesto William De Luca dedicated his speech to the 'Digital Infrastructures for Educational Media Research', stressing the importance of an integrated and technology driven system, which becomes effectively instrumental in learning and exercising research activities.

Among other activities, the group visited the laboratories and the recording studios.

The MINERVA project will end in January 2023 and the final event will take place on 1st and 2nd December 2022 in the Moldovan capital, Chisinau.



by **Alessandra Pezzati**



## INNOVATION AND MARKETING WORKSHOP



Hands is coordinated by the Al-Zaytoonah University of Jordan and involves 6 European partners, including the University of Guglielmo Marconi and the University of Florence, and 6 Jordanian and Syrian universities.

The overall objective of the project is to create vocational training systems in the field of Jordanian and Syrian handicrafts, while also establishing a framework and contributing to the establishment of policies to introduce traditional handicraft and design techniques and procedures into academic curricula.

For further information, please visit [www.zuj.edu.jo/HANDS/](http://www.zuj.edu.jo/HANDS/)

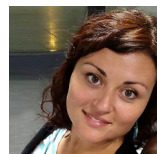
or send an e-mail to [progettieuropel@unimarconi.it](mailto:progettieuropel@unimarconi.it).

From 26 to 30 September, the Guglielmo Marconi University carried out a workshop on Innovation and Marketing within the HANDS project - 'Traditional Craft Heritage Training, Design and Marketing in Jordan and Syria' - funded by the European Commission in the framework of the Erasmus Plus programme, KA2 Capacity Building in the field of Higher Education.

Twenty-four Jordanian and Syrian academics actively participated in the workshop, which consisted of lectures and visits to the University's premises and laboratories, held by USGM professors and project managers, including Dr. Arturo Lavalle, Prof. Enrico Bocci and Dr. Sara Cella.



by Sara Cella



# Spotlight on Research

## BRAND4CAREERS: THE ONLINE TOOL AND CV GENERATOR READY TO BE LAUNCHED



### BRAND4CAREERS

The project BRAND4CAREERS promotes the development of personal brand as an innovative method in career management training as it will develop a guidelines for career counselors/coaches promoting personalized learning regarding the acquisition of personal brand.

An online tool, CV generator, was already developed. With this tool, users will be able to identify personal branding weaknesses on the one hand, and at the same time they will have the opportunity to create their CV.

There are three templates: Creative, business and academic. Users will be able to save it and keep it in the database.

In addition, a guide providing information about the utilization of the tool will soon be created.

The guide envisages to improve digital skills of trainers, and empower them to use digital tools in their educational approaches.

The tool will be primary used by young job seekers, and will assist those who been affected by the COVID-19 consequences the most. The training material and the tool will be open and accessible to public.

Previously, the actual needs of career/ guidance counselors when it comes to digital skills were identified.

This was essential in order to identify which are the digital competencies that career counselors lack the most and which digital practices they use in their current training programs.

According to the results of the surveys in UK and Romania the biggest challenge is the poor financial infrastructure to pursue more training opportunities lack of proper training in career coaching.

In Italy and Spain the main challenges are the lack of proper training in career coaching and poor financial infrastructure,



while in Cyprus, the biggest challenge is the lack of digital skills.

BRAND4CAREERS, a 2-year Erasmus+ project, has been focusing on assisting young individuals in creating a "professional profile" and present their knowledge and competences in an innovative method to enter the workplace with a solid professional statement. It's foreseen that the project will help people who start their career to define their strong skills and characteristics and identify the most suitable job market area.

## AB4RAIL TEAM MEETS THE RAILWAYS SHIFT2RAIL COMMUNITY



On September 1st 2022 the partners of the AB4RAIL Project attended the on-line meeting with representatives of the X2Rail project (X2RAIL-5 (shift2rail.org) as part of the 12th COLA meeting (Collaboration Agreement with the railways community) to present the outcomes of the project and discuss the results.

In this frame, Free Space Optics (FSO), High Altitude Platform Systems (HAPS), and Low Earth Orbit (LEO) High-Throughput Satellites have been analysed from the technical and economical point of view, as described by Alessandro Vizzari (Radiolabs).

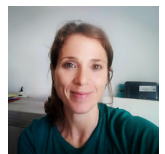
These technologies have been selected and assessed in the AB4Rail project among the future telecommunication technologies for the integration into the existing railway infrastructure. The coordinator of the project Franco Mazzenga (University of Rome Tor Vergata and CTO Radiolabs) presented results on transport protocols suited for railway scenarios as the Transport Control Protocol (TCP), User Datagram Protocol (UDP), Stream Control Transmission Protocol (SCTP), and QUIC protocol, including the analysis of HTTP and FTP (and their secure versions of HTTPS and FTPS) application protocols.

Among the others, LEO constellations have emerged as a mature and step-change technology being already deployed and expected to dominate the satcom offerings with lower latency and world-wide coverage to complementing terrestrial solutions.

Prof. Romeo Giuliano from Guglielmo Marconi University illustrated the AB4Rail WP4 ongoing activities concerning the exploitation and dissemination of the results obtained in the AB4Rail project.

Finally, the attendees actively joined the Q/A session.

by Ilaria Reggiani



# Glance at the Future

## Remote Laboratories for teaching renewable energies

Guglielmo Marconi University as the RE-OPEN project coordinator, along with the other project partners, attended the project meeting in Vienna to the University of Applied Sciences Technikum Wien (UAS Technikum Wien) at the Campus ENERGY Base the premise. Partners also had the chance to visit the university's laboratory.



The usability laboratory at UAS Technikum Wien supports research and teaching with the purpose of improving users' experiences with products on a lasting basis. The research and development activities at UAS Technikum Wien have grown significantly in recent years and they are currently concentrated on the following research focuses: Embedded Systems and Cyber-Physical Systems, Renewable Urban Energy Systems, Secure Services, eHealth and Mobility, Tissue Engineering & Molecular Life Science Technologies, Automation & Robotics.

The combination of theory and practice is of central importance in both research and training for all European universities. Practical experience is crucial for STEM subjects, for the students' further employability and to acquire pivotal technical and social skills and experimental abilities (set up an experiment, measure the performance of real equipment, process the acquired data and derive technical insights from the laboratory activity).



In the framework of RE-OPEN project five European universities (Università degli Studi Guglielmo Marconi - Italy, UAS Technikum Wien – Austria, Munster Technological University - Ireland, Norwegian University of Science and Technology - Norway) are going to “remotize” their laboratories. Remote laboratories allow students to access the physical labs to perform the practical experimentation remotely.

The RE-OPEN Moodle platform (Learning Management System – LMS) will hosts the remote laboratories of the five European universities allowing the students enrolled at STEM and engineering faculties/subjects to have access to the other universities experiments and share the experience with the other students at national and international level.

A standard ICT communication protocol allows to access to ICT infrastructure located at each university lab class for the remote control of

the experimental system to perform experimental work. The ICT communication protocol includes the standard devices, communications outputs and the LMS learning platform (developed with Moodle) as user interface.

by Susanna Correnti





## INNOVATION AND CONTINUOUS TRAINING: UNIMARCONI DEVELOPS NEW COLLABORATIONS WITH IMPORTANT GERMAN PUBLIC ACTORS



Internationalization, research and innovation are three basic pillars on which Unimarconi's vision and activities are built up. For this reason, the collaboration with GETS, a highly renowned research and professional training provider, is extremely crucial also in the light of the solid cultural, social and economic links between Italy and Germany.

As a result of this collaboration, a visit by a delegation from Unimarconi has been organized on 19-21 September in Baden-Württemberg with the aim to develop and implement the objectives set in the development strategy designed with GETS.

In particular, the initiatives envisaged will include the launch of two GETS - Unimarconi Offices, one in the Software Centre of Böblingen and the other in the Gewerbepark Allgäuerland of Wangen, the creation and provision of training and academic programs targeting both German and Italian companies and bodies, the preparation of innovative projects in the fields of renewable energies, particularly hydrogen, and railway transport and the development of technology transfer models able to improve and speed up the time-to-market of research results and the competitiveness of Italian-German companies.

Unimarconi and GETS believe in the alignment of training contents with the industry requirements, and therefore, they ensure that the competencies and skills they offer should be of the highest quality and industry-centric.

The University has developed an innovation hub that ensures a series of ground-breaking initiatives with different MNCs.

This inventiveness has enabled it to create programs that address the real needs of enterprises and are pragmatically related to the innovation and research activities of exclusive standards.

Unimarconi is fully involved in the work of the national standards organization and also the International Standards Organization (ISO), especially in the field of innovation management. Apart from that, it also does lots of international research projects on sustainability or topics linked to sustainability, such as the production of renewable energies that are linked to online learning.

After years of study, it has been able to develop a dynamic counter which is on the homepage of its website that automatically calculates the emissions of CO2.

The combined experience and know-how of Unimarconi and GETS will surely allow to face the hard challenges increasingly emerging from the changing geopolitical context and to globally strengthen the European leadership in technology and innovation.





**GMU Magazine** has been released with the contribution of all academic staff and partners around the world, if you wish to contribute highlighting any important news in accordance with the line of the release, please do not hesitate to contact us sending an email to [d.chesheva@unimarconi.it](mailto:d.chesheva@unimarconi.it)