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Academic Highlights

UNIMARCONI LAUNCHES THE FOUNDATION COURSE FOR INTERNATIONAL STUDENTS

Guglielmo Marconi University is proud to announce the launch of its Foundation Course, a unique preparatory program designed for international students who wish to pursue undergraduate studies in Italy but do not meet the 12 years of schooling required for admission. This program represents a significant step toward bridging the gap between secondary school and university, enabling students to meet the academic and linguistic standards necessary to thrive in Italian higher education. The Foundation Course, delivered entirely in English, offers a comprehensive one-year curriculum tailored to meet the diverse needs of students.

The program provides two academic pathways: a scientific track aimed at students interested in STEM disciplines and a humanities track for those passionate about literary, cultural, and social sciences. Both pathways include a shared module focusing on the Italian language and culture, facilitating students' integration into the academic and cultural fabric of Italy. The course is available in two formats to accommodate different learning preferences. Students can choose the fully online option, which allows them to access the program through the Unimarconi platform at any time, or the blended option, which combines online learning with a week-long in-person experience at the Rome campus. During their time in Rome, students can immerse themselves in academic workshops, cultural activities, and networking opportunities while exploring the vibrant city and its rich heritage. The university also offers accommodation at its residence near Piazza Cavour, situated in the heart of the city. Italian language learning is a key component of the program. Students receive 24 ECTS of instruction designed to bring them to a B2 level of proficiency by the end of the course.

For those with no prior knowledge of the language, an optional online preparatory course is available to ensure they are well-prepared for the Foundation Course. Guglielmo Marconi University's Foundation Course is more than just an academic program; it is a gateway to Italian education and culture. By participating, students gain not only the academic skills needed for university success but also the cultural understanding essential for a fulfilling educational experience in Italy. Applications for the program are open year-round, making it a flexible and accessible opportunity for students worldwide.

Unimarconi
LA PRIMA UNIVERSITÀ
DIGITALE ITALIANA

Unimarconi annuncia l'attivazione del **Foundation Course**

*un programma dedicato agli
studenti internazionali con titoli
di studio esteri per l'accesso ai
corsi di laurea in Italia.*

FIRST SESSION OF THE ITALIAN-NORWEGIAN CONFERENCE ON BANKING AND FINANCIAL REGULATION

Guglielmo Marconi University recently hosted the first session of the Italian-Norwegian Conference, organized in collaboration with the Luiss Guido Carli University. This two-day event served as a platform to address the implications of banking and financial regulation within both a European and global framework, drawing attention to the challenges and opportunities facing the sector today.

The conference began with opening remarks from prominent academic and institutional figures. Among the distinguished speakers were Johan Vibe, the Norwegian Ambassador to Italy, Marco Abate, the Rector of UniMarconi, and Professor Francesco Capriglione.

Throughout the event, internationally renowned experts explored pressing topics that are shaping the financial landscape.

Discussions delved into the Retail Investment Strategy, the integration of ESG factors into financial decision-making, and the growing importance of digital resilience as highlighted by the Digital Operational Resilience Act. The insights provided by esteemed academics, including Professors Lener, Mirella Pellegrini, Paola Lucantoni, Trude Myklebust, and Morten Kinander, underscored the complexity and relevance of these issues in an ever-changing financial ecosystem.

The conference concluded with an address by Professor Valerio Lemma, who reaffirmed the significance of the event in advancing strategic and practical solutions for the banking and financial sector. His remarks highlighted the vital role of academic institutions in fostering meaningful debate and collaboration on issues that transcend borders and demand global perspectives.

This first session of the Italian-Norwegian Conference not only provided operational insights and a wealth of global viewpoints, but also cemented UniMarconi's reputation as a leading center for international academic discourse. The event's success underscored the university's commitment to addressing the most pressing challenges in the financial sector, fostering dialogue, and driving innovation in regulatory practices



DOUBLE-DEGREE MBA PROGRAM WITH BADR UNIVERSITY IN CAIRO

In an exciting development for international education, Università degli Studi Guglielmo Marconi and BADR University in Cairo have joined forces to offer a structured academic pathway leading to a prestigious double Master's degree. This collaboration marks a significant milestone in fostering global academic cooperation and providing students with an enriched educational experience.

The partnership focuses on two key programs: First level Master in Business Administration (USGM) and Master in Business Administration (BUC)

This dual-degree initiative aligns with the shared vision of both institutions to deliver world-class education and equip students with the skills required to excel in the dynamic business world.

The program will follow a well-defined academic structure, detailed in a technical annex jointly developed by USGM and BUC. This annex will outline modules, seminars, examinations, and credit requirements for the joint program. The initiative includes flexible E-Learning modality provided by USGM through its cutting-edge e-learning platform, allowing students to benefit from a modern, accessible learning experience.



At the conclusion of the program, participants will undertake a final project under the guidance of academic staff from either USGM or BUC. The project will be written in English, ensuring global applicability and professional relevance.

This partnership between USGM and BUC reflects a shared commitment to excellence in education and a vision for global collaboration. By combining the strengths of both institutions, the dual-degree MBA program aims to produce graduates who are prepared to navigate and lead in an ever-evolving business landscape. Students enrolling in this program will gain not only academic credentials but also a wealth of knowledge, practical experience, and international exposure that will set them apart in their careers.

Spotlight on Research

PROGRESSES IN THE SO-FREE PROJECT: SMALL SCALE TESTS, SYSTEM ARCHITECTURE DEVELOPMENT AND DESIGN OF THE REAL PLANT.

Within the framework of the SOCIETAL CHALLENGES - Secure, clean and efficient energy specific objective under the European research and innovation funding program Horizon 2020, USGM is working as a partner in the SO-FREE project, which aims to develop a future-ready solid oxide fuel cell (SOFC) system for combined heat and power (CHP) generation. A key feature of the design is the interchangeability of two different SOFC stack types, produced by the project partners ELCOGEN (shown in Figure 1) and IKTS, with different operative conditions.

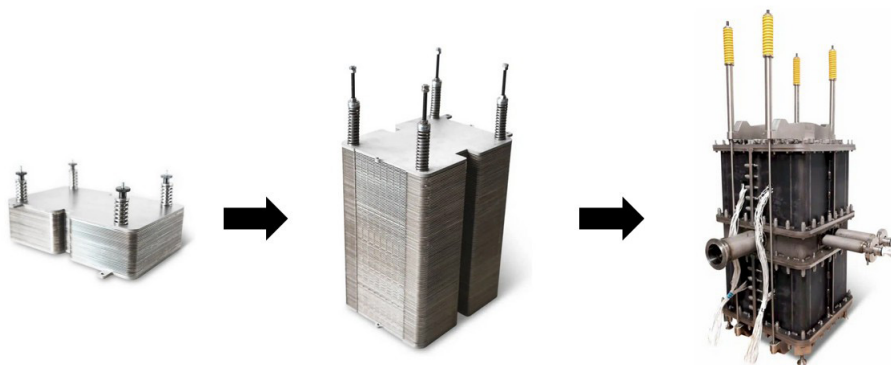


Figure 1 Elcogen technology, from the left to the right: 1) Short Stack 2) E3000 Stack 3) Hot Box for E3000

Initially, in order to obtain a performance baseline of the SOFC technologies, a detailed analysis of two short stacks, provided by manufacturers ELCOGEN and IKTS, was conducted by the project partners IEN and ENEA. These tests, performed under identical configurations, evaluated stack performance with three fuel compositions: pure hydrogen, pure methane, and a mixed composition of the two. Performance data obtained by IEN and ENEA showed a difference less than 2%, confirming the validity and reproducibility of the results.

Performance maps derived from the short stack-level analyses were utilized by USGM and ICI Caldaie to develop the system architecture which was simulated and improved using Aspen plus software. The final system layout consist of an autothermal reformer connected to the SOFC stack and a heat recovery system with four heat exchangers. Simulation results on the final layout were used by project partner ICI Caldaie to design the real system which is currently under development following the 3D conceptualization reported in Figure 2.

The proposed system concept emphasizes low-emission, fuel flexibility, modular power production and efficient heat recovery. The system was designed with a strong focus on simplicity, aiming to minimize the number of components required for operation and thus lowering also the plant costs. The realization of the system is currently in progress, and testing activities are scheduled for June 2025 at the facilities of the project partners KIWA and IEN.

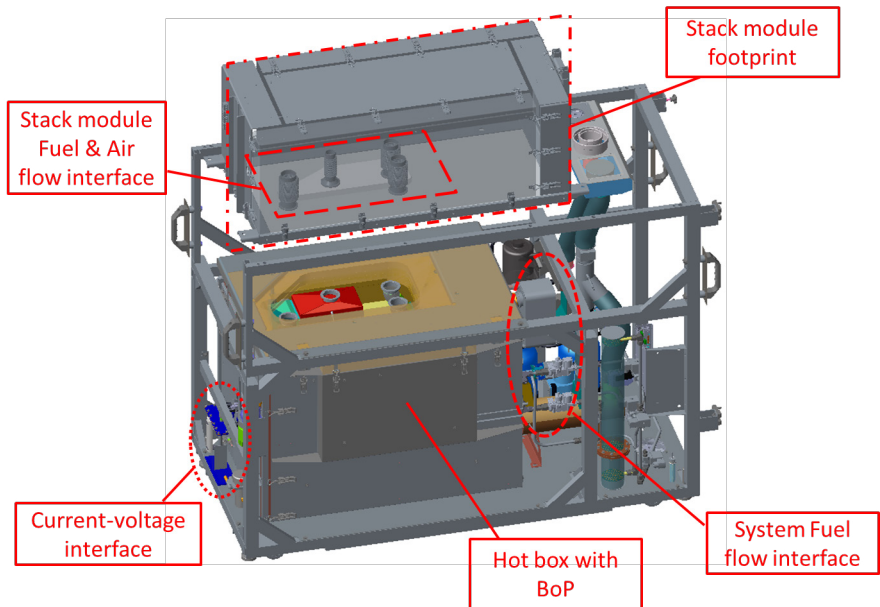


Figure 2 3D Conceptualization of the SO-FREE system

One of the most intriguing developments is the emergence of entirely new professions, such as the AI Ethicist—a role dedicated to ensuring that AI systems are ethical, unbiased, and aligned with societal values.

Despite the rapid advancements in AI, there are qualities that machines cannot replicate: creativity and human interaction. These uniquely human traits remain irreplaceable in fields requiring innovation, emotional intelligence, and interpersonal communication. AI is a powerful tool, but its effectiveness often depends on the human touch that guides its application. To thrive in this evolving job market, individuals must develop a blend of technical skills and soft skills such as proficiency in programming languages, data analysis, AI model development, and machine learning, critical thinking, adaptability, communication, and teamwork to navigate complex and dynamic work environments.

Organizations and educational institutions play a crucial role in equipping workers with these competencies. Training programs and continuous learning initiatives are essential to close the skills gap and prepare the workforce for AI's transformative impact.

The rise of AI presents a double-edged sword: while it opens doors to innovation and efficiency, it also raises concerns about job displacement and ethical dilemmas. Workers must adapt to new roles and responsibilities as automation transforms traditional industries. Employers, meanwhile, must address these shifts by fostering inclusive growth, providing reskilling opportunities, and prioritizing ethical AI practices.

As AI reshapes the job market, it's clear that the future will belong to those who can combine technical expertise with human-centric skills. By embracing lifelong learning and staying adaptable, individuals and organizations can harness AI's potential to create a more innovative and inclusive workforce.

INNOVATIVE SOLUTIONS FOR TEACHER TRAINING DISCUSSED AT GUGLIELMO MARCONI UNIVERSITY

Guglielmo Marconi University hosted a round table focused on the initial training of secondary school teachers. This event brought together a diverse group of educators from UniMarconi and other esteemed Roman universities, alongside representatives from key institutional bodies such as the Ministry of Universities and Research, the Ministry of Education and Merit, and the Lazio Regional School Office.

The round table served as a significant platform for discussing strategies to design innovative and sustainable training programs for secondary school educators. These programs aim to address the challenges posed by a rapidly evolving school system, ensuring that future teachers are well-equipped to meet contemporary educational demands.

During the discussions, participants highlighted the necessity of adopting an integrated approach to teacher training. This approach focuses on leveraging online teaching tools, expanding access to resources and fostering adaptability in learning environments, fostering dialogue between schools and universities, building stronger connections to create a stable, forward-thinking educational framework.

This holistic strategy underscores the importance of collaboration among stakeholders to craft solutions that are both innovative and sustainable.





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