



**Unimarconi**  
LA PRIMA UNIVERSITÀ  
DIGITALE ITALIANA

# Academic Highlights

The New Magnificent Rector of Unimarconi

## Glance at the Future

Exploring the Frontiers of CyberMind: Insights from the Seminar on Understanding and Protecting the Cognitive Domain

## Spotlight on Research

Advancing Energy Transition



# Academic Highlights

## THE NEW MAGNIFICENT RECTOR OF UNIMARCONI

We are proud to officially announce that Professor Marco Abate has been appointed as the new Magnificent Rector of Marconi University for the three-year term 2024-2026. Professor Abate is a respected figure recognized both nationally and internationally in the academic landscape.

The appointment of Professor Abate marks a significant step in the ongoing evolution of the university. His extensive experience and innovative vision, not only in the field of education but also in promoting scientific research and the quality of teaching, project the University Guglielmo Marconi towards new heights of academic and educational excellence.

With enthusiasm, we welcome Professor Marco Abate and extend our heartfelt wishes for the beginning of his term. Hoping for a fruitful journey of growth and success, we expect that under his guidance our Unimarconi, the first Italian digital university since 2004, will continue to shine as a reference point in the landscape of higher education.



## A SPECIAL CHRISTMAS FOR INCLUSION: UNIMARCONI'S COMMITMENT TO EXCELLENCE



In a heartwarming event held at the Aula Magna of Guglielmo Marconi University, the spirit of the season was beautifully encapsulated in the initiative titled "A Special Christmas for the Inclusion of the Last Ones."

This meaningful event was the result of a collaborative effort between the esteemed university and the Sant'Egidio community, reflecting a shared commitment to fostering inclusivity during the festive season.

The occasion was marked by the introduction of the new Magnificent Rector, Prof. Marco Abate, by the President of Unimarconi, Dr. Alessio Acomanni. In his address, Prof. Abate reiterated the university's dedication to pursuing an innovative and excellent academic path, emphasizing the importance of education as a catalyst for positive change.

The highlight of the event was a compelling presentation by Dr. Acomanni, which not only showcased the exponential growth of Unimarconi but also symbolized its unwavering commitment to education and inclusivity. In a remarkable gesture, Dr. Acomanni announced the donation of ten scholarships to the

Sant'Egidio Community, with Dr. Carmenati presenting these scholarships to individuals facing greater economic challenges.

The event welcomed distinguished guests, further underlining its significance. Among them were the Minister for Disabilities, Hon. Alessandra Locatelli, and Hon. Nazario Pagano, President of the Constitutional Affairs Committee of the Chamber of Deputies. Additionally, the Director General of MUR, Dr. Marcella Gargano, graced the occasion with her presence, emphasizing the importance of collaboration between academic institutions and governmental bodies.

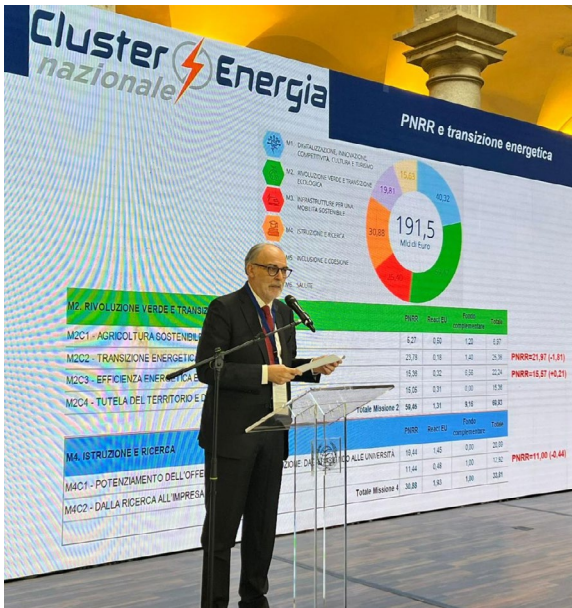
In a move that showcased social responsibility, the catering for the event was entrusted to "Trattoria de Gli Amici," a choice aimed at promoting work inclusion and sustainability within the restaurant sector. This thoughtful decision reflects Unimarconi's commitment to making a positive impact beyond the academic realm.

In the true spirit of solidarity and generosity, Unimarconi made a significant decision to allocate the entire budget intended for Christmas gifts as a contribution to the traditional Christmas lunch organized by the Sant'Egidio Community for those in need. This act exemplifies the university's dedication to social welfare and highlights the importance of giving back to the community.

Unimarconi's persistence in breaking down barriers and promoting inclusivity echoes through its high-quality and academically serious educational offerings. As we celebrate this season of giving, Unimarconi's commitment to excellence and social responsibility serves as an inspiring example for academic institutions worldwide, demonstrating that education is not only about knowledge but also about making a positive impact on society.

# Spotlight on Research

## ADVANCING ENERGY TRANSITION



On December 20th, Guglielmo Marconi University hosted the annual event of the National Technological Cluster for Energy. The meeting represented a crucial moment for sharing knowledge and experiences in the context of energy transition. The occasion allowed for the presentation of the technological roadmap of the CTNE and the illustration of research and innovation initiatives in the energy sector within the framework of the National Recovery and Resilience Plan (PNRR).

Recognizing the transition to decarbonization as a cross-cutting objective for all the Missions, 37% of the resources have been allocated to it.

The most significant contribution to decarbonization comes from Mission 2: Green Revolution and Ecological Transition. Additionally, Mission 4: Education and Research allocates substantial resources to industrial research and innovation in the energy sector, and these two missions will be the subject of the presentation.

As an official member of the Cluster, Unimarconi presented its research projects focused on sustainability and the development of renewable energies. Furthermore, the significant activities carried out by CERITED - the Center for Energy and Digital Transition, were outlined.

# Glance at the Future

## Exploring the Frontiers of CyberMind: Insights from the Seminar on Understanding and Protecting the Cognitive Domain

In an era where technology intertwines seamlessly with human cognition, understanding and safeguarding the cognitive domain have become paramount. Recently, Guglielmo Marconi University, in collaboration with Assoinnovazione and KNOSSO, organized a thought-provoking seminar titled "CyberMind - Understanding and Protecting the Cognitive Domain: Cybernetic Psychology & Sociopedagogy of Information." Held in Rome on January 31st, this event delved into the intricate relationship between human cognition, cybernetics, and societal dynamics in the digital age.



Cybernetic Psychology emerged as a pivotal theme throughout the seminar, emphasizing the interdisciplinary approach required to study the complex interplay between technology and psychology.

Moreover, the Sociopedagogy of Information emerged as a crucial framework for nurturing digital literacy and responsible engagement with technology.

The seminar commenced with an insightful exploration of CyberMind, a concept encapsulating the intersection of human consciousness and digital technology. Scholars and experts from diverse fields convened to discuss the evolving landscape of cognitive processes influenced by cybernetic systems.

## EXPLORING THE EVOLUTION: WEBINAR ON “NEW SERVICES FROM 5G-ADVANCED TO 6G”

The world of telecommunications has undergone remarkable transformations since the advent of the Internet in 1990 and the subsequent introduction of mobile Internet in 2005. These milestones have paved the way for revolutionary advancements in wireless technologies, opening doors to novel services that aim to reshape our everyday lives. A significant leap forward is observed with the introduction of 5G technology, offering not only unprecedented data transmission speeds exceeding 100 Mbit/s but also reducing latency to transmissions below 5 ms. Furthermore, it has facilitated an increase in the number of connected devices within a cell, reaching an impressive 1 million per km<sup>2</sup>.

The advancements brought about by 5G technology serve as the foundation for a new era of services, with some already available through 5G-Advanced and others anticipated with the advent of 6G. These services can be broadly categorized into three distinct areas: immersive communications, everything connected, and high-positioning.

The evolution from 5G to 6G introduces immersive communication services that promise to transform the way we connect and interact. From augmented reality experiences to virtual meetings, these services aim to provide users with a heightened sense of presence and engagement in their digital interactions.

Building on the connectivity foundation laid by 5G, the transition to 6G brings forth the concept of “everything connected.” This encompasses a seamless integration of devices, creating a comprehensive network where smart cities, smart homes, and the Internet of Things (IoT) collaborate to enhance efficiency, convenience, and sustainability.

6G promises advancements in high-precision positioning services, revolutionizing navigation and location-based applications. From autonomous vehicles to precision agriculture, the increased accuracy in positioning services is expected to unlock new possibilities across various industries.



To delve deeper into these transformative changes, an insightful webinar titled “New Services from 5G-Advanced to 6G” was organized by Guglielmo Marconi University and the Sarjivani Group of Institutes in India. The event featured Professor Romeo Giuliano from Guglielmo Marconi University’s Department of Engineering Sciences, who illuminated the audience with a comprehensive presentation on the characteristics and requirements of these groundbreaking services.

Professor Giuliano also shed light on the ongoing developments in standardization within the 3rd Generation Partnership Project (3GPP), emphasizing the collaborative efforts aimed at ensuring the seamless integration and global interoperability of these cutting-edge technologies.

As we stand on the brink of transitioning from 5G to 6G, the “New Services from 5G-Advanced to 6G” webinar offered a unique opportunity to gain valuable insights into the future of telecommunications. This event not only explored the technological marvels that lie ahead but also underscored the collaborative efforts of institutions worldwide to shape a connected future.



**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)