UE Universidad Europea

ESCUELA DE ARQUITECTURA, INGENIERÍA Y DISEÑO

UE STEAM SCHOOL

NEWSLETTER

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REPORT #2 OIAES: THE UNIVERSITY OF THE FUTURE IN THE AGE OF AI

In 2023, Universidad Europea de Madrid established the **Observatory of Artificial Intelligence in Higher Education (OIAES)** whose objective is to better understand and disseminate how artificial intelligence can and should be taught at university, and how it can be applied to improve the efficiency of various processes. The Observatory's first report, issued in September 2023, analysed the potential impact of artificial intelligence on higher education.

On March 22, 2024, the second meeting with AI experts was held to discuss **the topic of the second report that tries to anticipate what the university could be like in the future**, once artificial intelligence is sufficiently developed and implemented. The purpose of this foresight exercise is to look into a possible future of higher education, so that each entity can establish its roadmap, ensuring that the transition is as rational and orderly as possible. However, the enormous uncertainty that exists makes it necessary to be extremely cautious with any prediction, and to follow the evolution of events very closely and continuously, in order to adjust any possible plan of action in a timely manner.

The Observatory is made up of professionals of recognized prestige in the academic and industrial fields, senior professors from the STEAM School with experience and knowledge in the field of artificial intelligence, senior professors from other Schools, and non-teaching staff with an interest in this discipline due to its possible applications. »

"THE PURPOSE OF THIS FORESIGHT EXERCISE IS TO LOOK INTO A POSSIBLE FUTURE OF HIGHER EDUCATION, SO THAT EACH ENTITY CAN ESTABLISH ITS ROADMAP..."

ANZEN ENGINEERING: NEW INDUSTRIAL PARTNER FOR LORCA

"On January 10th, the STEAM school and ANZEN, led by its CEO Pablo de la Cruz, signed a new industrial partnership for the Advanced Computing Resources Laboratory (LORCA). This partnership aims to give students hands-on experience in business projects, helping their professional development during training, and connecting them to real-world work in a dynamic environment. Simulation activities tied to Aerospace Engineering Degree courses will be part of the program.

LORCA, a distributed computing cluster, boasts an impressive array of resources, including over 700 cores and more than 10,000 CUDA cores, with a staggering total distributed computing power of 4 Teraflops. This state-of-the-art facility serves as a hub for innovation, providing students and professors from diverse programs at the School of Architecture, Engineering, and Design with an unparalleled opportunity to harness their academic learnings. Here, they can seamlessly transition theory into practice, applying their expertise in scientific computing, big data analysis, artificial intelligence, and advanced simulations to real-world challenges..
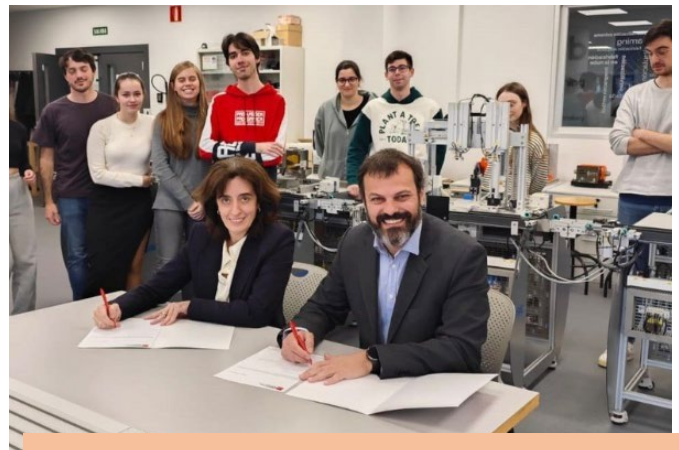»

BOSSARD SPAIN: NEW INDUSTRIAL PARTNER FOR THE INDUSTRY 4.0 LAB

The company BOSSARD Spain has joined the industrial partners of the Industry 4.0 laboratory of the Villaviciosa de Odón Campus. Having Bossard as an industrial partner of the laboratory allows us to have a leading company in the development of technologies oriented to the Smart Factory concept. Bossard offers us part of its technology and its experience for the learning of our students in innovative concepts.

For Antonio García, CEO of Bossard Spain, the donation of the advanced logistics system in the laboratory symbolises the company's commitment to education and technological innovation and the contribution of its experience to the creation of a new generation of professionals capable of leading industrial transformation in the digital age.

This company, together with CT Ingenieros and OESIA, joins those that help us turn our Industry 4.0 laboratory into a benchmark in the world of university education in the field of robotics and process automation. »

"INDUSTRIAL PARTNERS SUCH AS BOSSARD SPAIN BRING THE REALITY OF INDUSTRY CLOSER TO THE STUDENT IN A PRACTICAL SETTING "...

ARCHITECTURE SHOWCASE II

On Monday, March 4, the Official College of Architects of Madrid (COAM) renewed the models of the exhibition "Showcase of Architectures: Performative Models, Prototypes and Material Definitions made by architecture students of the Universidad Europea". They are new models, new projects and new ideas that our Architecture students teach to the members and citizens of Madrid.

A good opportunity to visit the COAM (C/ Hortaleza 63), and enjoy this exhibition, which highlights the excellent training of our future Architects, and makes Architecture and its processes more permeable to citizens. "Showcase of architectures" is an initiative of the STEAM School, with the support of the COAM, born in this course. »

4th EDITION LIMA-MADRID WORKSHOP

Last February, the 4th edition of the Lima-Madrid Workshop was held at the STEAM School. 18 UPC Lima Architecture students worked for a month together with STEAM Architecture students, a proposal for the urban recovery of the historic center of Lima. This is an integration workshop focused on an abandoned area of the historic center of the city of Lima, with few interventions during the twentieth century, deteriorated, without equipment, but which preserves valuable colonial buildings.

The teachers of the workshop were, on behalf of UPC Lima, Enrique Gómez de la Torre and Jessica Hernández Ghiglino, and on behalf of the STEAM School, Álvaro Galmés. and Eduardo Arroyo. Among the many architectural visits made, the visit to Alberto Campo Baeza's studio stood out . Alberto talked to the students, told them about his recent projects, and conveyed to them the values and enthusiasm of the best Architecture. We are already looking forward to the 5th edition of this workshop. »
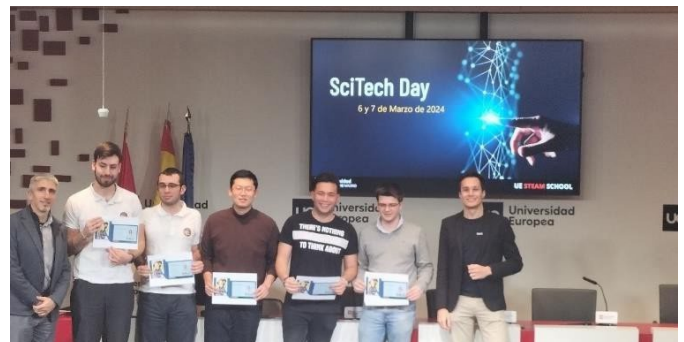
III SciTech Day

III SCITECH DAY

For the third consecutive year, the School has organized the Science and Technology Day, its **III SciTech Day**. This year, for two days, all our students, professors and attendees from outside the university were able to enjoy different presentations and workshops on all kinds of current issues in the world of Science, Computing, Space and Technology. In total, more than 300 registered. During the first day, Inés Huertas Freire, Head of Data & AI at Kairos DS gave us a very particular perspective on the redefinition of the world we know due to Artificial Intelligence. Afterwards, our alumni Luis García del Dedo, CEO & Co-founder of Product Hackers, told his experience as an entrepreneur to our students, his successes, but above all his failures, making available to everyone his experience on the lessons learned during his life adventure.
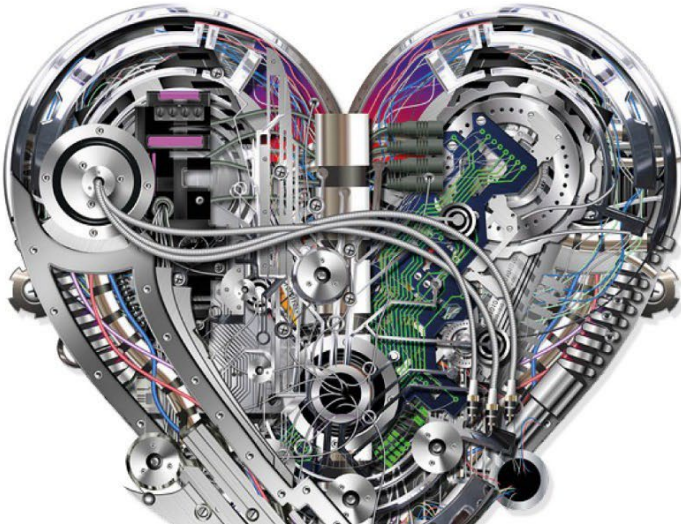

After the coffee break, Luis Rodriguez Soler, CEO of ComplainZen, shared during his presentation the differences between cybersecurity and cyber intelligence, emphasizing the need to raise awareness among the general population, and the need for expert profiles in information and communication technology security. This first day ended with three parallel workshops on Telescope Assembly, Smart Contratcs and Digital Fabrication by Marcos López-Caniego (SSC Group-ESA), Jorge Ordovás (Telefónica) and Erik Lesta (FabLab UEM).

Next day, we started with Laura Lacarra, Head of DevReal at Telefonica, who was participating in our conference for the second time and, in this case, to tell the attendees why Open Gateway is important and what the API of the Chamber alliance is. Laura gave the floor to Michele Armano, a scientist at ESA (European Space Agency) who told us about the LISA mission and the observation of gravitational waves in space. Next, it was the turn of Enrique Serrano, CEO of Hackrocks, who revealed the opportunities and risks behind the use of generative AI in the world of cybersecurity.

To conclude, an exciting tour of the evolution of AI in recent times by the communicator and expert in AI Carlos Santana (@dotCSV) and an illustrative round table on how to prepare your professional career from the first job in which Marta Martín (CDS HPE), David de la Fuente (SENER) and Virginia Lozano (Telefónica) participated. »

Jornada de "Ingeniería Con Corazón"

Ingeniería desde un punto de vista del que casi nunca hablamos

¿CUÁNDO?
Jueves 7 de Marzo de 14:15-18:30 Auditorio B
Viernes 8 de Marzo de 09:00-14:30 Auditorio B

¿DÓNDE?
Universidad Europea de Madrid
Villaviciosa de Odón. 28670 Madrid

II CONFERENCE ON ENGINEERING WITH HEART. 7-8 MARCH 2024

On the 7th and 8th of March, the STEAM School held the II Ingeniería con Corazón. The conference aims to offer an image of the most social engineering that is sometimes not visible. It offers both engineering students and students of other degrees the opportunity to meet initiatives, companies and different professionals who tell first-hand about their projects and experiences.
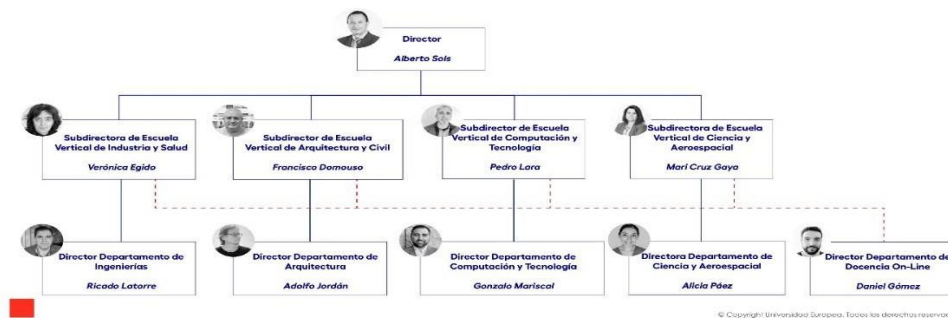
On the first day, Maria José Alonso, CiMUS scientist, spoke about the MEPTO project, in which bioengineering is revolutionizing smart medicine, Amparo Soler, Senior Researcher in Nuclear Energy and President of Women In Nuclear (WiN) SPAIN, shared her experience as a nuclear engineer debunking myths and concluded Noelia Sanchez-Ortiz, PhD in Aerospace Engineering, from Arribes Enlighenment, who talked about space debris and its surveillance. On the second day, the speakers were: Estefanía Estévez Priego, telecommunications engineer and Master in Biomedical Engineering who spoke about Neuroscience and its Human Brain Project, Ana Ye Zhang, Nurse and Biomedical Engineer, founder of Owned Innovation, who described the innovative medical solutions developed in the company for ostomized people. Mila Puig, industrial engineer, alumni of Universidad Europea, who shared her life experience and her role in Skydance Animation and finally Susana Magro, civil engineer, who spoke about her experience in water management, sustainability and climate change. »

"THE AIM OF THE CONFERENCE IS TO OFFER AN IMAGE OF THE MOST SOCIAL ENGINEERING THAT IS SOMETIMES NOT VISIBLE..."

Organigrama (enero 2024)

NEW SCHOOL BOARD ORGANIZATION

In the last five years we have grown in all dimensions (number of students, satisfaction, etc.) thanks to the excellent work of everyone in our School. This growth has led us to increase the structure of our organization. For this reason, since last January, Alicia Páez has been part of the School Board as director of the Department of Science and Aerospace. This restructuring favors the process of verticalization of our university, in which we align undergraduate and postgraduate degrees by areas of knowledge. In this way, our School is organized into four areas of knowledge or verticals (Industry and Health, Architecture and Civil, Computing and Technology, Science and Aerospace), each of them reinforced by its corresponding Department Directorate, together with the transversal support of the On-line Teaching Department. »

INDUSTRY ADVISORY BOARD

On February 27, a new meeting of our Industry Advisory Board was held. On this occasion, the topic on which we wanted to consult them was **Cybersecurity in the era of Artificial Intelligence**: how they are addressing it in their organizations and what needs they have in terms of competencies, related to this topic, with which university graduates should start their professional career.

The meeting was attended by Javier Pérez de Vargas (Royal Academy of Engineering), Belén Moneo (Moneo Brock Studio), Daniel Acuña (ISDEFE), Francisco Álvarez (EUROFINS), Aurora del Castillo (AIRBUS), Javier Romero (Navantia), Beatriz Herranz (Telefónica), José Miguel Pascual (INDRA) and members of the School Board. The peculiarity of a discipline in which the knowledge of it is what sustains the threat of inappropriate use and the importance, if possible, more than in other disciplines, of including related ethical and regulatory aspects in training were discussed. For this reason, minimum training on information systems security must also be provided in any discipline. It is necessary to generate an awareness of what are cyber-safe habits and what are not.

The area of cybersecurity also opens the door to the recycling of more senior profiles or simply profiles that AI is, in one way or another, displacing them. Finally, the need for the University, like any other institution, to also preserve its own security in the face of threats from which it is not exempt was also discussed. »

"AI IS A DISCIPLINE IN WHICH THE VERY KNOWLEDGE OF IT IS WHAT SUSTAINS THE THREAT..."

REFERENTS CYCLE ÁNGELES SANTAMARÍA

On 15 February, Ángeles Santamaría, former CEO of Iberdrola Spain, was interviewed by the School's Director as part of the Referents Series. Students and teachers enjoyed and learned from the wise reflections of Ángeles, who valued the importance of knowing how to listen, the desire to learn, resilience and teamwork as fundamental elements in her successful professional career. »

"STUDENTS AND TEACHERS ENJOYED AND LEARNED FROM THE WISE REFLECTIONS OF ANGELES, WHO VALUED THE IMPORTANCE OF KNOWING HOW TO LISTEN...."

AULA 2024

As in previous years, Universidad Europea participated in the 2024 edition of AULA, the international student and educational exhibition held on March 6 and 10. At the event, students from the fourth year of ESO, Baccalaureate and Vocational Training were able to learn, through the participating institutions, about the different training offers available to them. The School was part of the stand of our University, where members of its School Board, degree coordinators and directors of Master's programs provided information about the various STEAM training itineraries. »

STUDENTS FROM THE PHYSICS DEGREE VISIT THE ASTROBIOLOGY CENTER OF INTA-CSIC

On March 12th, students from the Physics Degree at the STEAM School of the UE had the opportunity to visit the Astrobiology Center of INTA. Jose A. Rodríguez Manfredi, director of the aerospace instrumentation department, accompanied us during the visit, explaining several of the projects they are involved in and showing us the equipment and laboratories they have available. »

ADA BYRON PROGRAMMING COMPETITION

Once again, the STEAM School participated in the AdaByron university programming contest, aimed at students enrolled in degrees that include programming subjects. In this competition, students participate in teams made up of three students, having five hours to solve a series of proposed programming problems – typically between eight and twelve challenges. Teams can program their solutions in mainstream languages of their choice, such as C++, Java, or Python.

Two of the five teams that participated in the first local stage at the STEAM School reached the regional stage, held at the Leganés Campus of the Carlos III University on March 8 and 9. The competition with other university teams was enriching and fun, improving our students' skills as programmers and bringing them even closer to the reality of their future professions. Indeed, the mere training of the teams for the competition has a very positive impact on the learning of students in their programming subjects. »

CRISTINA DÍAZ MORENO AND EFRÉN GARCÍA GRINDA, SECOND SEMESTER VISITING PROFESSORS 2023- 2024

After the stays of Giancarlo Mazzanti and Eduardo Arroyo (now a professor in our Faculty), it has also been a privilege for the School to receive, as guests during the S2 of this 23/24, the very prestigious architects Cristina Díaz Moreno and Efrén García Grinda, currently professors at the Universität für angewandte Kunst in Vienna. Efrén and Cristina have been very actively involved in various activities with teachers and students; contributing to the development of a theoretical corpus and a common framework for the Architectural Design subjects, interacting with the Research groups and collaborating with our European Journal of Architectural Research, developing and organising transversal workshops, and many other activities, both in the Degree and in the Qualifying Master. His work is based on collaboration and synergy between different disciplines, to link professional, academic and intellectual practice. After more than a decade of winning competitions and constant presence in specialised media and major exhibitions such as the Biennale di Venezia, Amid.cero9 have built, among others, the Giner de los Ríos Foundation or the Cherry Blossom Palace, and developed important projects in the Arab Emirates and Finland. All their work was collected in a monographic exhibition held in London and has been accompanied by a retrospective of all their work entitled "Third Natures. A Micropedia. " »

"AFTER MORE THAN A DECADE OF WINNING COMPETITIONS AND CONSTANT PRESENCE IN MAJOR EXHIBITIONS SUCH AS THE BIENNALE DE VENEZIA, AMID.CERO9 HAVE BUILT, AMONG OTHERS, THE GINER DE LOS RÍOS FOUNDATION".

STUDENTS FROM THE BACHELOR'S DEGREE IN MATHEMATICAL ENGINEERING IN DATA SCIENCE VISIT 'LA CABINA' OF TELEFÓNICA

On March 8th, a group of students from the Bachelor's Degree in Mathematical Engineering in Data Science visited 'La Cabina.' This visit was another activity stemming from our Strategic Alliance agreement with Telefónica. In this space for innovation and demonstrations, they had the opportunity to firsthand witness and interact with technological innovations applied to business solutions.. **»**

"HEARING FROM EXPERTS ON TRANSFORMATION AND INNOVATION PROJECTS HOW DIGITAL TECHNOLOGY OPENS NEW PATHWAYS.."

I EDITION UEM CONSTRUCTION TECHNOLOGIES: MIKE SCHLAICH AND ENRIQUE AZPILICUETA

El pasado viernes, 19 de enero, se celebró la "I Edición Tecnología de la Edificación UEM", comisariado por José Jurado, en la que compartimos conferencia, mesa redonda y sesiones críticas con nuestros estudiantes de Grado y Máster de Arquitectura y Civil/Caminos y dos invitados de excepción. Mike Schlaich (schlaich bergermann partner sbp), impartió una conferencia sobre sus más recientes investigaciones y obras, y respondió junto a Enrique Azpilicueta a las preguntas de los estudiantes. **»**

MASTER IN INDUSTRIAL ENGINEERING CAPSTONE PROJECT AWARD TO IRENE PLAZA

The student of the Master's Degree in Industrial Engineering at the STEAM School won the award for Technological Innovation for the Master's Capstone Project. awarded by the Rodolfo Benito Samaniego Foundation. These awards are originally defined in two specific areas. On the one hand, innovation and development in the scientific and technological field and, on the other, in values of coexistence such as peace, solidarity, freedom or democracy. Our congratulations to Irene Plaza and her Master's Thesis tutor, Victor Manuel Padrón. **»**

INAUGURATION OF THE WEATHER STATION SHACK

We are pleased to announce the successful completion of the installation of our Weather Station Shed, situated between buildings C and D on the Villaviciosa Campus. This facility, featuring a field weather station and equipment for temperature and air humidity measurement, provides students with the essential resources to gather, store, and analyze real-time meteorological data, supporting a wide range of academic projects and research endeavors. »

"THIS STATION WILL ENABLE OUR STUDENTS TO GATHER REAL-TIME METEOROLOGICAL DATA. "...

INAUGURATION OF THE TELESCOPES STATION

In the coming weeks, the Villaviciosa de Odón campus will have an astronomical observation point. The aim of this new facility is to support different clubs, such as Science and Astronomy, for their activities, both astronomical observation and training in different aspects of Astronomy. The activities to be carried out, mainly organized by students , range from visual observation and recognition of the night sky to planetary astrophotography. The observation point has three telescopes: SkyWatcher Dobson 12" extendable 305/1500 telescope for deep sky observation, Schmidt-Cassegrain Celestron AVX 8S 12026 telescope, with CELESTRON ADVANCED VX (AVX) mount, and a SkyWatcher 120/600 AZ3 Achromatic Refractor telescope with altazimuth mount. »

HANDSTHINKING 2024

Universidad Europea will hold a new edition of HandsThinking, the festival of Architecture, Engineering and Design, with workshops and activities on design, architecture, art, technology and science, organised by and for students. The HandsThinking initiative, as it does in each new cycle, will once again demonstrate the power of the academic model with which students learn at our University, that is, with real projects, multidisciplinary teams, thinking with their hands and experimenting with new technologies, to discover infinite possibilities. A real festival of STEAM disciplines, which will return in full force, celebrating the meeting points between Architect. »

Handsthinking fest

IT SEMINAR 2024

Universidad Europea de Madrid will participate in the XVI edition of the IT Seminar to be held in Finland (Haaga-Helia University of Applied Sciences) from April 2 to 5, 2024.

The IT-Seminar is an international academic event with the participation of professors and students from different European universities. It consists of lectures and Workshops by the guest professors, in collaboration with the students, about emerging technologies and related topics such as virtual reality, IoT, cybersecurity, robotics and artificial intelligence. 3 teachers and 10 students from the STEAM School will organize a full day of the event. **»**

"IT-SEMINAR IS AN INTERNATIONAL ACADEMIC EVENT WITH PARTICIPATION OF FACULTIES AND STUDENTS FROM DIFFERENT EUROPEAN UNIVERSITIES..."
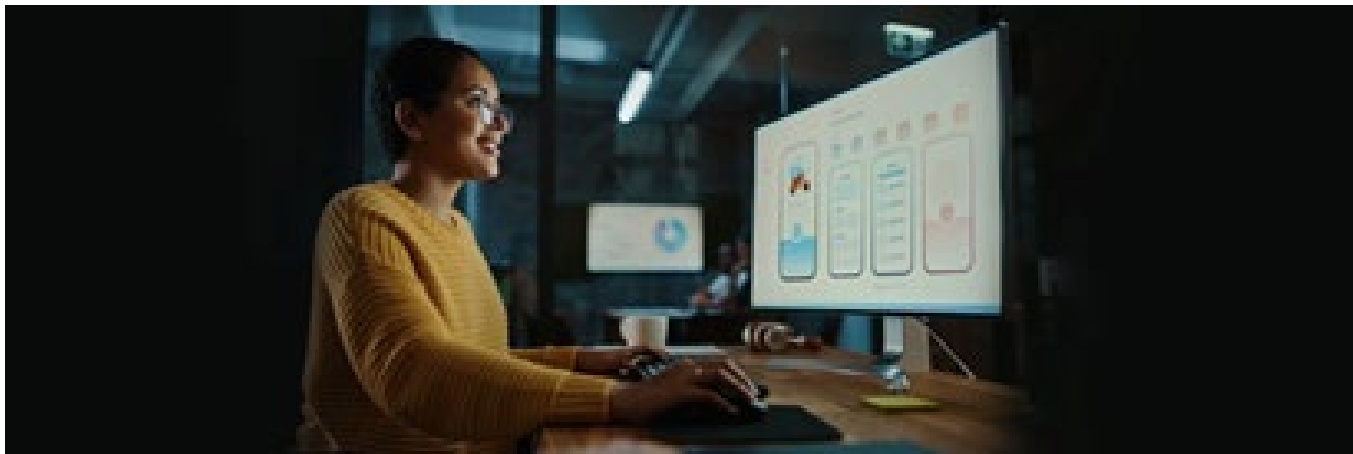

DR. MAARTEN BONNEMA, VISITING PROFESSOR

Dr. Maarten Bonnema, Professor of Systems Engineering and Multidisciplinary Design at the University of Twente, will be at the School as a visiting professor during the month of May. His stay will be an important intellectual stimulus for the School, especially for the faculty and students of the engineering programs. **»**

DR. BRUCE PARTRIDGE, VISITING PROFESSOR

The professor and researcher Bruce Partridge from Haverford College (Pennsylvania, United States) will visit the STEAM School next April. Bruce Partridge has dedicated much of his career to researching the cosmic microwave background (CMB), the remnant 'heat' from the origin of the Universe with the Big Bang. These studies provide information about the nature and distribution of matter when the Universe was only a few hundred thousand years old. During his stay at the university, he will conduct various seminars related to the field of cosmology and the cosmic microwave background. **»**

INNOVATION 24-25

For the academic year 24/25 starting in September, we have made a significant effort to innovate in university master's programs. In total, we have worked on 14 innovation initiatives. Among them, the following University Master's Programs stand out:
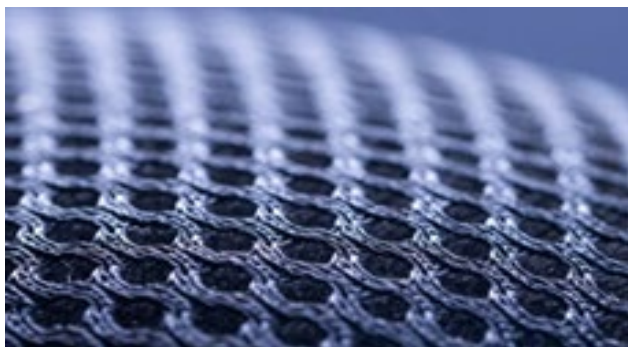
University Master's Program in Physics of New Materials Engineering. Designed to train professionals with a focus on the development, creation, and characterization of new materials that can enhance technology and reduce costs.

University Master's Program in Cloud Devops. Students will become experts in creating, implementing, monitoring, and migrating services to the cloud, using the most promising and in-demand technologies in the job market.

University Master's Program in Sustainable Architecture and Bioconstruction. With this master's program, students acquire the necessary knowledge to become experts in materials, passive design, integration of renewable energies, and solutions that balance construction with the natural environment.

University Master's Program in Robotics and Automation. Students will be able to apply new technological advances in robotics and robotic vehicles, research autonomous navigation and social interaction of robots, implement robotic systems, and develop automation applying IoT techniques and digital twins.

University Master's Program in Web Application Development. It covers the basic principles of web programming such as HTML, CSS, and JS to the most commonly used frameworks for web frontend and backend development. The most cutting-edge today, are utilized in a practice-based format emphasizing project work.. **»**

"FOR THE ACADEMIC YEAR 24/25 STARTING IN SEPTEMBER, WE HAVE MADE A SIGNIFICANT EFFORT TO INNOVATE IN UNIVERSITY MASTER'S PROGRAMS. IN TOTAL, WE HAVE WORKED ON 14 INNOVATION INITIATIVES. ".

ROBERTO PLAZA SYSTEM LEAD ENGINEER SCOTTISH POWER

I studied the double degree in Computer Science and Business Administration because these degrees offer the greatest flexibility found in the job market. During this period, we participated in all kinds of contests and projects. We won the Egg-Drop drone contest, came third in the international robotics contest Laureate Award for Excellence in Robotics Engineering in Peru, and also won the Equifax Startup Programme prize... All these initiatives laid the foundation for what would eventually lead me, alongside two classmates, to embark on the journey of founding my own company, Optren..

After finishing my studies, I was selected as one of the winners of the Iberdrola International Master Scholarships Program in 2019. I had an international experience while studying a Master's in Big Data in Scotland.

During my time at Iberdrola, I held the position of Systems Technician within the Infrastructure Department,

Shortly thereafter, in 2023, I was presented with the opportunity to assist in the establishment of a department similar to the one I had been working for at Scottish Power, where I currently hold the position of System Lead Engineer.. »

JOSE MANUEL SACRISTÁN PHARMACEUTICAL CYBERSECURITY ROCHE

José Manuel Sacristán is an example of academic and professional excellence . After graduating in a double degree in Telecommunications and Industrial Engineering at Universidad Europea, he began his professional career working for more than 8 years for healthcare, managing industrial networks. Subsequently, he obtained a scholarship at Airbus, where he continued his studies with an MBA and a higher industrial engineering degree at the same university.
In 2014, he started working as a network teacher with CISCO backgrounds. At this time, it was introduced to the industrial cybersecurity sector, a completely new field in Spain. His knowledge of industrial networks, together with his new knowledge in computer networks, allowed him to be one of the pioneers in the world in this area.
Since then, the professor and alumni has worked in companies in the sector such as S21sec and Entelgy as a consultant. Subsequently, he became one of Capgemini's global managers. During all this time, he has continued to study, obtaining a master's degree in teaching at Universidad Europea, a master's degree in Computer Science and technology at UC3M, and a doctorate in artificial intelligence applied to industrial cybersecurity at UC3M.
In 2019, he joined the American company Honeywell to work on projects spread all over the world, from Russia to Africa. Currently, he is working at the pharmaceutical company Roche, leading industrial cybersecurity, as well as the monitoring of perimeter systems. »

STUDENTS CLUB "BEYOND REALITY"

"Beyond Reality" is a student club from Universidad Europea, led by STEAM School's student Carlos Sánchez. The club focuses on the dissemination of virtual reality and augmented reality technologies. Its activities for the 2023-24 academic year include the organization of free access workshops for university students on these technologies, the organization of game jams, participation in projects for companies, and participation in international events such as the IT Seminar 2024 in Finland. The latter is the club's most ambitious project so far, it is an international technology seminar, in which the Beyond Reality team will travel to Finland to teach in a workshop about how to build an air combat simulator in virtual reality. This workshop is also accompanied by a no less ambitious project, since apart from carrying out the workshop, a version of the simulator will be presented to carry out a competition among the attendees of the seminar.

Although the club is relatively new, has arrived with a lot of strength and has many plans for the future, it is made up of a team full of ambition and excited to work on increasingly demanding ideas and projects.»

COMPUTER CLUB C_INT

The computer club C_INT continues with its activity and on this occasion, the HackNet team, specialized in cybersecurity, has organized a "Capture The Flag" competition, set in a magical and fantastic world in which almost 40 people, internal and external, participated. The competition used the HackRocks platform, which was also used for the local phase of the AdaByron programming contest a few days earlier. Both competitions were a great success and the winners obtained different types of access licenses for HackRocks' cybersecurity training platform.

Another of the activities was a spectacular workshop on developing applications with SWIFT for Apple's Vision Pro glasses by the well-known "Apple Evangelist" Julio Cesar Fernández, Academic Director of Apple Coding Academy. »