Universidad Europea

NEWSLETTER
UE STEAM SCHOOL

NO ● 12

31 ● 03 ● 2025

SCHOOL OF ARCHITECTURE, ENGINEERING, SCIENCE AND COMPUTING - STEAM

UE STEAM SCHOOL

NEWSLETTER

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II EDITION OF 'MEETING CLUBS'

On February 13, the II Edition of the 'Meeting Clubs' was held in the Auditorium of Building B. This event, organized by Vida Universitaria y Compromiso Social, had as its main objective to give visibility to the various clubs and associations of the university. During the event, representatives of the clubs (Formula, C-Int and Space Division, among others) had the opportunity to present their projects, activities and actions to the university community.
The format of the event allowed attendees to learn first-hand about the activities carried out in the clubs, as well as to ask questions and establish direct contacts with the representatives of each association.

The event served as a platform for clubs to showcase the positive impact they have on university life and the community at large. The organizers stressed that participation in these clubs not only enriches the academic experience of students, but also provides them with valuable skills and competencies for their professional future. »

THE MEETING CLUBS GIVES VISIBILITY TO THE CLUBS AND ASSOCIATIONS OF OUR UNIVERSITY.

VISIT TO MADRID-BARAJAS AIRPORT FOR ENGINEERING STUDENTS

On February 28, the students of the 3rd year of the degree in Aerospace Engineering, accompanied by the degree coordinator Ana Medina and Professor Oscar Marbán, made an educational visit to Madrid-Barajas Airport, Terminal T4. The activity, associated with the subject of Air Transport, aimed to provide students with a practical and detailed vision of the operation of the airport. The visit, which lasted approximately two and a half hours, began at 10:30 at the information desk of Aena T4 arrivals. During the day, the students participated in several activities: The general presentation of the airport offered an overview of the airport, including general concepts, services, configuration and updated data on traffic and passengers.
In the Automatic Baggage Handling System (SATE), the students visited the facilities and received a detailed explanation of how it works. The tour of the boarding area allowed the students to take a brief tour of the terminal, showing the general elements of the terminal. To facilitate the visit, the students were divided into two groups, which made the tour in different order and ended together in the press room. This activity allowed the students to learn first-hand about the operation of one of the most important airports in Europe and apply the knowledge acquired in class to a real environment. »

THIS ACTIVITY ALLOWED THE STUDENTS TO LEARN FIRST-HAND ABOUT THE OPERATION OF ONE OF THE MOST IMPORTANT AIRPORTS IN EUROPE

http//:uem.es/newsletter

NEW INDUSTRIAL PARTNER: ORACLE

The Universidad Europea has signed an industrial collaboration agreement with Oracle, which will bring multiple benefits to our institution. The agreement was signed by Albert Triola, Senior Vice President Support Renewal Sales EMEA, accompanied by Carolina Diaz Serna, Senior Program Manager, and Diana Fernandez, EMEA Vice President, Cloud Adoption. Oracle will propose real projects so that our students can apply their knowledge in practical and relevant situations. Thus, second-year students of the Bachelor's Degree in Mathematical Engineering in Data Science will have the opportunity to carry out their integrating project "Open Data" with the challenge proposed by Oracle, which is about Formula 1.

In addition, Oracle professional certifications will be included in our degrees, increasing the employability and value of our graduates in the job market. Certifications such as Java Foundations, Database Foundations or OCI Foundations will be some of those that we will implement during this second semester of the course and in subsequent years. Our students will also have the opportunity to participate in hackathons organized by Oracle, fostering innovation and teamwork. »

This contact with Oracle began thanks to the outstanding participation of a group of students from the Bachelor's Degree in Mathematical Engineering in Data Science at a hackathon organized by Oracle last year. Our students came in first place and made an excellent impression on Oracle leadership. Their teachers attended the awards ceremony, where the contacts that have culminated in this agreement began. Our students and their excellent training are the best ambassadors! »

THIS CONTACT WAS INITIATED THANKS TO THE OUTSTANDING PARTICIPATION OF A GROUP OF STUDENTS IN A HACKATHON ORGANIZED BY ORACLE

PHYSICS DEGREE STUDENT TRIP

The students of the Bachelor's Degree in Physics are about to embark on an unforgettable journey organized by María Gilsanz. This trip, which promises to be an enriching experience both academically and personally, will take students to explore various places of scientific and cultural interest.

On March 26, students will depart from Madrid a las 9:00h, con una stop in Zaragoza to visit the Instituto Universitario de Investigación de Biocomputación y Física de Sistemas Complejos (BIFI). This institute, belonging to the Universidad de Zaragoza, He is dedicated to research in biocomputation and systems physics

complex. After this visit, students will spend the night in Jaca
On March 27, at 10:00 a.m., students will have a guided tour of the Laboratorio Subterráneo de Canfranc. This underground laboratory, at great depth, is designed for research in neutrino physics, dark matter and other unusual phenomena in nature that require very low environmental radioactivity to be observed. Finally, they will return to Madrid at 3:00 p.m.
The students were excited about this adventure, which was undoubtedly a milestone in their academic career. The trip was expected to not only strengthen their knowledge in physics, but also foster camaraderie and a spirit of collaboration between them. »

JOURNEY OF THE STUDENTS OF THE BACHELOR'S DEGREE IN MATHEMATICAL ENGINEERING IN DATA SCIENCE

Undergraduate students en Ingeniería Matemática they recently participated in a trip to León. This trip, which was an enriching experience both academically and personally, led the students to explore various places of scientific and cultural interest in León on March 27 and 28, 2025.

On Thursday, March 27, the students left the Universidad Europea at 9:30 a.m., bound for the offices ofe HPE CDS in the Parque Tecnológico de León. At 2:00 p.m., they enjoyed a meal at a restaurant in the Parque Tecnológico, followed by a visit to the offices of HPE CDS and related activities, including the presentation of the Proyecto INDITEX By HPE CDS and the presentation of the progress of its PBL by the students. At 7:30 p.m., they went to the center of León, where they visited the historic center and had dinner at a local restaurant.

On Friday, March 28, at 11:30 a.m., the students left the center of León to SCAYLE Supercomputación Castilla y León, located in the Campus de Vegazana of the Universidad de León. At 12:00 p.m., they paid a visit to SCAYLE, where they were able to learn more about the supercomputación in Castilla y León..

.This trip marked a milestone in her academic career and left a lasting mark on her professional and personal development. »

SIGNING OF A COLLABORATION AGREEMENT WITH MADCUP TO PROMOTE STEM TRAINING

The Universidad Europea de Madrid and MADCUP have signed a collaboration agreement that seeks to promote STEM education and offer new training opportunities to students of High School, Secundary Education and vocational training and the students of the Universidad Europea. As part of the agreement, Universidad Europea will give training workshops based on its experiential learning methodology to students in the final year of High School participating in the program F1 in Schools, which has the collaboration of MADCUP.

The competition F1 in Schools, present in more than 50 countries, it has involved more than 100,000 students in the exciting world of Fórmula 1. This program encourages both, the development of technical skills and comprehensive project management, encompassing areas such as marketing, financing, engineering, and manufacturing technologies. In this context, the Universidad Europea will actively contribute by giving training workshops to several schools participating in the competition, thus strengthening the preparation of students and their approach to the STEM disciplines.

The agreement has been formalized on the campus of Villaviciosa de Odón. On the part of the Universidad Europea attended Verónica Egido, Vicedean of the undergraduate and graduate programs in indutrial and health engineering of the School of Architecture, Engineering, Science and Computing (STEAM), Carlos Talayero, Director of the Máster of Automotive Engineering and coordinator of the Bachelor's Degree in Industrial Systems Engineering; Michele Ambrosini, Team Leader of the Formula UEM Team and on behalf of MADCUP, participated Pepe Ortiz, CEO; Gorka Rubio, Project Manager de Sports Sumit Madrid; Olga Lázaro, Commercial Director of Sports Summit Madrid and Cristina Benzal, Industrial Engineer at MADCUP. »

"PRESENT IN MORE THAN 50 COUNTRIES, F1 IN SCHOOLS HAS CONNECTED MORE THAN 100,000 STUDENTS AND PROMOTES TECHNICAL AND PROJECT MANAGEMENT SKILLS"

link » https://universidadeuropea.com/noticias/universidad-europea-madcup-alcanzan-acuerdo-colaboracion-impulsar-formacion-stem/

INTERNATIONAL WORKSHOP LONDON 2025, OF THE MASTER'S DEGREE IN ARCHITECTURE (MUA)

Continuing our international commitment, the students of the Master's Degree attended the annual workshop MUAW, in London, for the development of ongoing projects, especially inquiring about the implication and enormous impact of technology on the future of our discipline.

The workshop is structured in 3 stages: Firstly, a creative one, in the experimental workshop of Buckinghamshire, directed by the Dr. Guan Lee, professor of the Bartlett School and the Royal College of Art, assisted by Álvaro López and Diego García Cuevas.

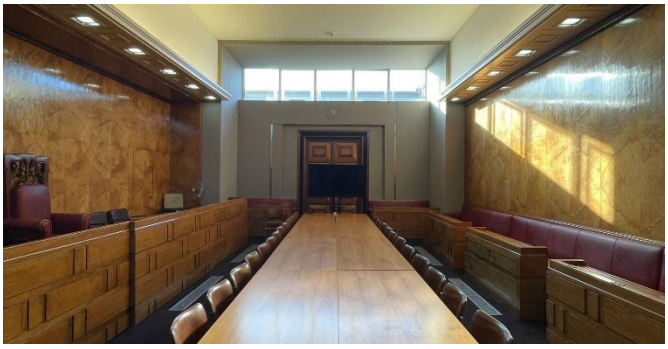
Secondly, a Grand General Jury, in the offices of the RIBA in London, and with international external guests, to evaluate the work in progress.

And finally, a series of professional visits to some of the leading architecture studios in the UK. Among others: Norman Foster and Partners, Rogers Stirk and Harbour, Amanda Levete Architects, Heatherwich Studio, Morris&CO, Carmody Groarke, AHMM o Zaha hadid Architects.

Traveling and working with students outside of the usual academic environment allows them to expand projectual horizons and, in addition, to expand opportunities for professional future, interacting with such innovative and globally recognized studies and academic institutions. »

"LED BY JUAN JOSÉ MATEOS AND EDUARDO ARROYO, THE MUAW EMPHASIZES THE PROFESSIONAL AND CREATIVE NATURE OF THE PROGRAM"

» https://www.instagram.com/masterarquitecturauem



REIA # 25

THE IMPACT OF AI ON ARCHITECTURAL RESEARCH

In February we celebrated the twenty-five issues (and the first in English) of the Revista Europea de Investigación en Arquitectura, in the round table on the influence of AI on Research.

We talked about super tools, neural networks, horizontal knowledge, memories of the future, colA, intellectual property and, naturally, why it is important to have a research journal: "neoREIA"

We had as guest professors David García-Asenjo y Rafael Hernández López, in addition to the editors of the publication: Álvaro Galmés Cerezo, Beatriz Inglés Gosálbez, Carlos Arroyo Zapatero and José Luis Esteban Penelas. »

LIMA-MADRID INTERNATIONAL WORKSHOP

During the month of February, we have celebrated the 7th edition of the Lima-Madrid International Workshop, where our Architecture students have joined their peers from the Universidad Peruana de Ciencias Aplicadas (UPC), who have visited us in the Design Workshop. This year, the students have worked together again to develop innovative architectural proposals, addressing important urban problems.
Through this exchange, international ties are strengthened, fostering collaboration between future generations of architects.
Our teachers, Eduardo Arroyo and Álvaro Galmés, Together with the visiting teachers: Enrique Gómez de la Torre y Magaly Gayoso, With their students, they have developed over four weeks, an integrated group project approach based on a regeneration approach based on previous analyses.
The closing session consisted of a Jury with professors from the UEM: Adolfo Jordán Ramos, Francisco Domouso de Alba, Andrés Abásolo Alcázar and Silvia Herrero. »

INTENSIVE COURSE ON ARCHITECTURAL PROJECTS WITH UPC STUDENTS

http//:uem.es/newsletter

CAMINOS MADRID AWARDS 2024: LUIS ALBERTO HERRERO HERNÁNDEZ, ALUMNI OF OUR SCHOOL, AWARDED THE BEST YOUNG CIVIL ENGINEER

The Governing Board of the Demarcación of Madrid del Colegio of Ingenieros de Caminos, Canales and Puertos convened a new edition of the Caminos Madrid Awards.

This edition, corresponding to the most outstanding of 2024, was the 17th and included a total of nine categories with which to recognize the best collegiate professionals in Madrid and their actions in various areas: execution of works, project design, conservation, research, innovation, sustainability and solidarity.

We also wanted to highlight the professionals or projects that develop their activity in the unconventional areas of engineering.

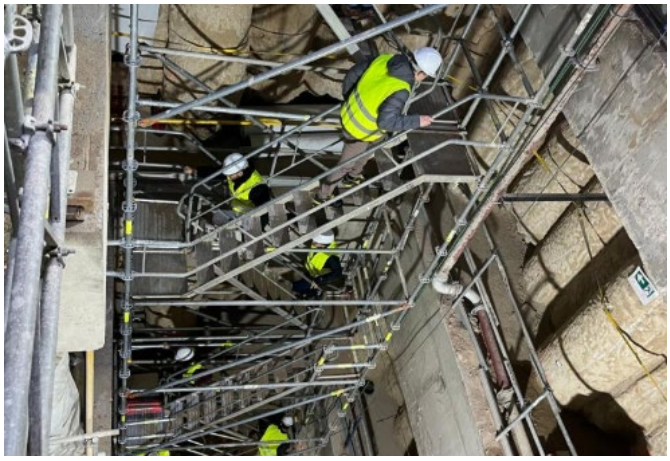
Among the winners was Luis Alberto Herrero Hernández, Founding partner andn INESPRO S.L and alumni of our University, who was highlighted as the best Young Civil Engineer, an undoubtedly tremendous achievement; ratifying his talent, commitment to excellence and ability to innovate in the field of Engineering. »

VISIT TO THE WORKS OF ELEVATORS AND IMPROVEMENT OF THE AVENIDA DE AMÉRICA STATION, OF METRO DE MADRID. DEGREE IN INGENIERÍA CIVIL.

Students in the 4th year of the Bachelor's Degree in Ingeniería Civil had a very special Health and Safety class: the session was held at the work of elevators and improvement of the Avenida de América station, of Metro de Madrid. This experience was possible thanks to the invaluable collaboration of METRO and DRAGADOS. A unique opportunity to learn first-hand in a real environment!

Learning in real environments is essential for the training of our students, allowing them to apply the theoretical knowledge acquired in the classroom to practical situations. This visit not only allowed them to observe the security measures implemented in a large-scale work, but also to interact with professionals from the sector, who shared their experiences and knowledge.

In addition, they were able to see up close the challenges and solutions that arise in the day-to-day of a construction site, which gives them a complete and practical vision of their future professional career. These types of experiences are essential to prepare our students for the challenges they will face in their working lives, fostering their ability to adapt and solve problems in real environments. »



THE SCHOOL IS A COLLABORATING ENTITY OF THE 29TH CONGRESS ON AUTOMOTIVE QUALITY

The Universidad Europea participates through the School of Architecture, Engineering, Science and Computing (STEAM) as a collaborating entity in the 29th Congress of Quality in Automotive, an event organized by the Asociación Española para la Calidad. The motto chosen for this year is "People-Processes-Products", three concepts closely related to the automotive sector. The hosts of this new edition of the Congress will be HORSE, Iveco Group and Renault Group who, together with other companies in the sector, will talk about how to address the interaction between people and processes, key aspects to determine to a large extent the final result of the products.

For 10 years in which the UEM and the AEC collaborate, numerous students have carried out internships and master's degree final projects in associated companies, in addition to starting their professional careers in the automotive industry. There are also expert teachers and the possibility of visits to first-class facilities.
An initiative that makes the university sector present in the business environment, detecting the training needs of the sector. »

VISIT OF THE ADVANCED TECHNOLOGIES IN DESIGN AND 3D PRINTING UNIT OF THE 12 DE OCTUBRE UNIVERSITY HOSPITAL

On Tuesday, February 11th, members of the advanced technologies in design and 3D printing unit of the Hospital Universitario 12 de Octubre (UTADI3D) Directed by Antonio Martín visited us.
For the School, it was a unique opportunity to share good practices and seek synergies that allow collaboration between our institution and the advanced technologies unit.
The Vicedean in the area of industrial and health Engineering programs, Verónica Egido together with members of the School's Nanotechnology research group, NANO-UEM, Arisbel Cerpa, Maria Fuencisla Gilsanz and Carlos Castellote, they visited the School's facilities: Physics, Destructive Tests, Indutry 4.0, Fablab and the simulated hospitals of the Facultad de Salud and the Veterinarian Clinic Hospital.

Subsequently, the members of the unit had time to meet with the researchers of the group and five students of the Bachelor's Degree in Biomedical Engineering, Bachelor's Degree in Industrial Systems Engineering and Physics exchanging impressions and seeking collaboration in different projects. »

link » https://www.linkedin.com/feed/update/urn:li:activity:7295173968703942660/

"THE SEARCH FOR SYNERGIES BETWEEN ENTITIES ALLOWS US TO SHARE BOTH INTELLECTUAL AND PHYSICAL RESOURCES AND ACHIEVE GREAT OBJECTIVES"

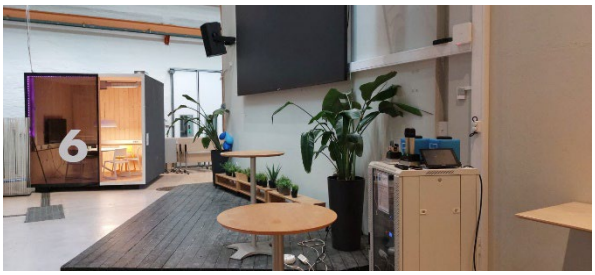
WITH MICROSOFT AT BETT 2025 (LONDON)

After the excellent agreement signed by the Universidad Europea de Madrid with Microsoft as a Technology Partner in artificial intelligence, the School was in January with Microsoft at the British Educational Training and Technology (BETT) fair, an annual international fair for educational technology, at the ExCel exhibition and conference center. On behalf of the School were Alberto Sols and Pedro Lara, and Manuel Patiño, CIO of the European University of Madrid, was also present. It was an excellent opportunity to attend presentations on the state of the art in the application of artificial intelligence to higher education.

Especialmente interesantes fueron las sesiones Leading the AI Era in Higher Education liderada por Kate Maxwell, VP Worldwide Education Microsoft, y AI Skills & Employability: Partnership in Education a cargo de Jeff Johnson, AI Skills & Employability Lead Microsoft,
Thanks to the efforts of Microsoft's Spanish team, led by Manuel Abellán, we had the opportunity to hold a very interesting meeting with Kate Maxwell, in which we were able to talk about both trends and current best practices in the higher education sector.
Attending BETT was a very enriching experience, to continue advancing in the adoption of artificial intelligence to improve effectiveness and performance, both in the academic and management fields. »

VISIT TO NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)

During the last days of February, Guillermo Castilla and José Manuel López, representing the School and the PBS Office, embarked to Trondheim in Norway to carry out a Peer to Peer review of the prestigious Norwegian school NTNU, in the context of our new CDIO educational framework. NTNU's Future Technology Education (FTS) initiative underscores the need to adapt to multidisciplinary projects and cross-functional teams, integrating digital and emotional intelligences. EMU shares this vision, promoting active learning methodologies. The review revealed the importance of flexibility and adaptability in higher education, highlighting the shared vision of both universities focused on sustainability and interdisciplinarity. »



INDUSTRY ADVISORY BOARD

On the last Wednesday of February, the first of the two annual meetings with the Industry Advisory Board (CAE) took place. The topic chosen for debate on this occasion was the new limits of STEAM graduates, new necessary skills and disruptive models. The debate, magnificently moderated by Adolfo Jordán, left great reflections that help to better guide all academic activities, to better respond to the challenges of increasing complexity that society is facing, especially due to the rise of artificial intelligence and new technologies.

Some of the main reflections:

1. It is not just about ensuring employability. There must be a successful professional career and commitment to society.
2. The growth mindset *is very important*. Rigidity is a weakness.
3. Those who have studied complementary things (for example, cybersecurity and something else) are valued, because they show an open mind. Concentrating knowledge in a certain area is not as valuable as opening up the spectrum of training.
4. We need specialists, but also 'total professionals', with extensive training.
5. Transversal training is expected from the graduates.

The CAE always provides valuable recommendations to the School Board. »

PREPARATION OF THE FOURTH REPORT OF THE OIAES: THE STUDENT'S PERSPECTIVE

The fourth report of the Observatory of Artificial Intelligence in Higher Education (OIAES) will be on the perspective of students. After the first three reports, of a more general nature, the next one will address in detail the point of view of the student community. To this end, a survey was designed and sent to students from numerous Spanish universities, both public and private. The more than four hundred responses were processed and two *focus groups* were set up, one for undergraduate students and the other for postgraduate and doctoral students, to delve into their answers and better understand how they see artificial intelligence: opportunities, challenges, concerns, doubts, concerns.

With all the information collected, the professors of the European University of Madrid are working on the draft of the fourth report, which will be sent to external experts for review before the meeting we will have with it. The full report will then be written and, after validation by the experts, will be circulated openly. The goal of the OIAES is to help all universities better manage the adoption of artificial intelligence, and to do so better understanding the point of view of students is essential. Without knowing and duly taking into account their opinions and concerns, the incorporation of artificial intelligence into higher education cannot be fully effective. »

Dr. DAVID NOWICKI, VISITING PROFESSOR

El Dr. David Nowicki, experto en logística y cadena de suministro, es el primer profesor visitante de la Escuela en 2025. El Dr. David Nowicki, que estará en la Escuela de mediados de marzo a mediados de abril, es profesor distinguido de la University of North Texas. Ocupa cargos conjuntos en el Departamento de Gestión de la Cadena de Suministro de la Facultad de Negocios G. Brint Ryan y en el Departamento de Ingeniería Mecánica de la Facultad de Ingeniería, desempeñando un papel fundamental en la configuración del futuro de la educación y la investigación logísticas.

La investigación del Dr. Nowicki aplica técnicas analíticas avanzadas para resolver desafíos complejos de logística y cadena de suministro dentro de un marco de ingeniería de sistemas. Su trabajo ha sido reconocido con más de $12 millones en proyectos competitivos de investigación. Con 37 publicaciones en revistas indexadas, 1.887 citas, un índice h de 20 y un índice i-10 de 26, el Dr. Nowicki se encuentra dentro del 2% superior en logística y el 5% en gestión de la cadena de suministro.

Además de la habitual estrecha colaboración con profesores y estudiantes de la Escuela, el Dr. Nowicki colabora también con la Facultad de Economía, Empresa y Comunicación. »

OUR EXPERIENCE AT MONDRAGON UNIVERSITY'S PBL DAY

On March 18, the teachers Ana Abasolo, Ana Corrales y María Fuencisla Gilsanz attended the PBL Day en Mondragon Unibertsitatea, invited by the Academic Director, Nekane Errasti. The event showcased 30 projects from various specialties, such as industrial electronics, mechanical engineering, energy, biomedical engineering, mechatronics, computer science, ecotechnologies, industrial design, industrial organization, and applied physics.

Throughout the day, the teachers spoke with the organizers Urtzi Markiegui and Maialen Aginagalde, about the preparation and development of the event, as well as the dynamics of evaluation of the projects. The teaching staff selected the four best projects, and a jury made up of the companies Orona Fundazioa, Innobasque, Ikerlan and Gureak decided the final classification.

The prizes were awarded to the following projects:

1st Prize: Sustainable Surf Fin (3rd-year Ecotechnologies in Industrial Processes).

2nd Prize: Solutions for lumbar stenosis (2nd-year Biomedical Engineering).

3rd Prize: Hematology Laboratory Automation (3rd-year Biomedical Engineering).

4th Prize: Gravity Power Light, power generation system for off-grid areas (1st-year Ecotechnologies in Industrial Processes).

The event stood out for the quality and innovation of the projects presented, reaffirming the importance of continuing to commit to the Project Based Learning methodology in our STEAM School. »

SPEAKERS IN THE ARTISTIC CYCLE OF THE QUALIFYING MASTER'S DEGREE, AND LECTURE SERIES TFG OF THE DEGREE IN FUNDAMENTALS OF ARCHITECTURE

Regarding the poster of invited architects of the Bachelor's Degree and Máster of the current course, the list has been impressive; During this year we have had with us such important figures as Joan Roig de Battleiroig, David Casino, aybar.mateos, Auxiliadora Gálvez, Iraxxxdios, Pedro Pitarch, Carlos Arroyo, Mesura oR Margarita Jover, and others are also very relevant for the coming months, with figures such as Eduardo Arroyo, SelgasCano or Xaveer De Geyter. Nothing less.

The integration of so many external figures with the also outstanding teachers of our Faculty is essential to enrich the educational experience of students.

Diversifying points of view is essential in academia, to explore a range of approaches and methodologies as widely as possible. By inviting external architects and professionals, such as those we receive in each course, we manage to create a truly dynamic and stimulating learning environment, from a deeper and more complete understanding of Architecture and Design.

In addition, collaboration with so many external figures naturally also strengthens our increasingly powerful academic community.

In summary, the quality of the annual guest line-up is a key strategy to offer quality, diverse and enriching education. We will continue to promote these collaborations to continue to maximize the growth and development of our students. »

"BIR, CASINO, AYBAR. MATEOS, GÁLVEZ, IRAXXXDIOS, PITARCH, ARROYO, MESURA, JOVER SELGASCANO O DE GEYTER"

» https://www.instagram.com/masterarquitecturauem
» https://www.instagram.com/uem.archi.projects/

I ANNUAL SUSTAINABILITY INNOVATION CHALLENGE: AN OPPORTUNITY FOR STEAM STUDENTS

The School of Sustainability of the Universidad Europea, in collaboration with Universidad Europea Foundation, has launched the Annual Sustainability Innovation Challenge, aimed at students from various universities. This challenge offers a unique platform for STEAM students and alumni to apply their knowledge and skills in creating innovative solutions to real sustainability problems.

The challenge, which was launched on February 27, has received an excellent initial reception, with dozens of messages from interested students. In addition, it has an international dimension, as three invited universities have also shared the initiative with their community, demonstrating their commitment to a global impact.

Participants must form multidisciplinary teams of between 2 and 10 members, including students or alumni from at least two different degrees. The teams will work on challenges posed by leading companies, known as "Transformative Partners", which include HEINEKEN Spain, CHEP, LG and Sacyr. Each challenge addresses specific aspects of sustainability, such as the creation of sustainability rankings based on artificial intelligence, or social innovation in infrastructure.

The participation process includes individual registration, the submission of proposals before May 18, 2025, and the evaluation of them according to criteria of innovation, feasibility, impact and scalability. The winning teams will receive in-kind funding to develop a minimum viable product (MVP) and a mentorship program provided by the Transformative Partners and the School of Sustainability.

This challenge represents an exceptional opportunity for STEAM students to contribute to sustainability and link up with the professional world, developing transversal competences and implementing their ideas in practice. »

The Challenge connects STEAM students with the professional world to create innovative and sustainable solutions

IV SCITECH DAY OF THE STEAM SCHOOL

The IV Edition of SciTech Day, organized by the STEAM School of the Universidad Europea, it has been an event where this year sustainability and Artificial Intelligence were the main topics. On this occasion, top-level experts have shared their knowledge about the latest technological advances and their impact on our society.

Microsoft's David Hurtado spoke about the AI revolution, highlighting its ability to read, understand, and even reason before responding. Today's AI is not only able to read and understand information sources, but also processes language in multiple directions to deliver more detailed and contextualized answers. However, he stressed that the true value of Artificial Intelligence does not lie in its ability to give direct answers, but in its potential as a tool to support learning.

José Manuel Torralba, from the Universidad Carlos III de Madrid, He spoke about the evolution of materials and their historical impact. The evolution of humanity has been marked by innovation in materials. Advances in this field have determined the course of history, including military conflicts and technological revolutions. He mentioned some of the great inventions that transformed the world and that are closely linked to materials science: the compass, the printing press, firearms and, more recently, semiconductors, among others.

Elena Guidi addressed sustainability in IT, highlighting the efficiency in the use of cloud resources and the importance of the energy used in data centers. Guidi explained that, in the field of cloud computing, one of the keys to reducing energy consumption is to distribute the workload efficiently, concentrating the largest number of processes in the fewest possible number of servers.

Mariluz Congosto analyzed the transformation of communication and society due to digitalization and the impact of social networks. Congosto explained that the migration of telecommunications to the cloud has allowed global interconnection, although it has generated changes in the way we relate to each other.

THE VALUE OF AI LIES NOT IN ITS ABILITY TO PROVIDE ANSWERS, BUT TO SUPPORT LEARNING

While social media initially democratized access to information, over time algorithms have polarized the conversation and plunged us into the era of misinformation and manipulation.

Julio Fernández discussed the impact of AI on software development and the accessibility of intuitive interfaces. Fernández explained how current models have achieved the ability to interpret almost any type of data without the need for prior configuration, something unthinkable a few years ago.

Mickael Villain explored the connection between technology and creativity in the animation industry. Villain addressed the importance of diversity in animation studios, the evolution of digital tools and the impact of artificial intelligence on creative processes1. He explained how advances in software have democratized access to animation, allowing small teams to produce high-quality content without the resources of large studios.

Finally, Nerea Luis spoke about AI in autonomous vehicles and the integration of conversational interfaces. He highlighted how AI has transformed the ability of systems to process information in real time, a key advance in the development of intelligent vehicles. In addition, he pointed out that the integration of conversational interfaces has facilitated their adoption in various sectors, from mobility to the generation of digital content.

The event concluded with the presentation of prizes to the students of the STEAM School. »

III CONFERENCE ON ENGINEERING WITH HEART

The School of Architecture, Engineering, Science and Computing, STEAM, celebrated on March 4, World Engineering Day for Sustainable Development, the III Conference on Engineering with Heart.

One of the purposes of the Universidad Europea it is to train students to maintain an active role in society. In these conferences, the students have been able to learn about the testimony of different professionals who have put into practice the knowledge of engineering to help different groups in society and improve their quality of life.

During the event, Carlos Rivera, founder of the Foundation Alex Rivera and the company Clicars, shared his experience as an entrepreneur and the social work of his foundation, which seeks to improve the lives of people with intellectual disabilities through innovative projects and the use of advanced technology.

During the day, Carlos Rivera, founder of the Foundation Alex Rivera and the company Clicars was interviewed by Juan José Ordás.

It was also attended by Javier Otero de Irizar, Fire Sergeant and Coordinator of the Car Accident Rescue Group, who highlighted the importance of engineering to help those people who have been less favored in terms of some abilities and for whom helping them overcome limits is vital.

Áurea Perucho Martínez, Director of the Centro de Estudios y Experimentación de Obras Públicas (CEDEX) explained how civil engineering and related disciplines contribute to recovery after natural disasters, showing examples of their role in these cases.

Finally, students of the Bachelor's Degree in Ingeniería Biomédica, Lucía Gamarra, Leyre Merlo y Bernardo Quero, presented their project SilverLinkIP, awarded in the competition Smartly Included. The project seeks to create online communities for the elderly, promoting physical activities such as tai chi through the use of state-of-the-art technologies such as artificial intelligence. »

"LET'S DEDICATE THESE DAYS TO AN ENGINEERING WITH A HEART AT THE SERVICE OF SOCIETY"

link » https://universidadeuropea.com/noticias/la-universidad-europea-celebra-la-iii-jornada-de-ingenieria-con-corazon/

MUBADALA'S HIGHER EDUCATION STUDENT

The investment fund Mubadala Investment Company organized the inaugural edition of the MUBADALA'S HIGHER EDUCATION STUDENT COMPETITION, a contest for engineering students from the United Arab Emirates. Fourteen teams from ten local universities participated in the competition, which aimed to design and build a robotic boat to clean debris and garbage from water, with the prototypes being tested in swimming pools.

The event was hosted by the University of Abu Dhabi's College of Engineering. Our heads of Academic Model, Guillermo Castilla, Silvia Lavado, and José Manuel López, along with Professor Sergio Bemposta, traveled in October 2024 and January 2025 to conduct two workshops on teleoperated robotics (October 2024) and autonomous robots (January 2025), training approximately 90 students.

The trip was paid for by the drone company IBTICAE.

On April 26, the in-person competitions for both teleoperated and autonomous robots will take place, with our teachers acting as judges. »

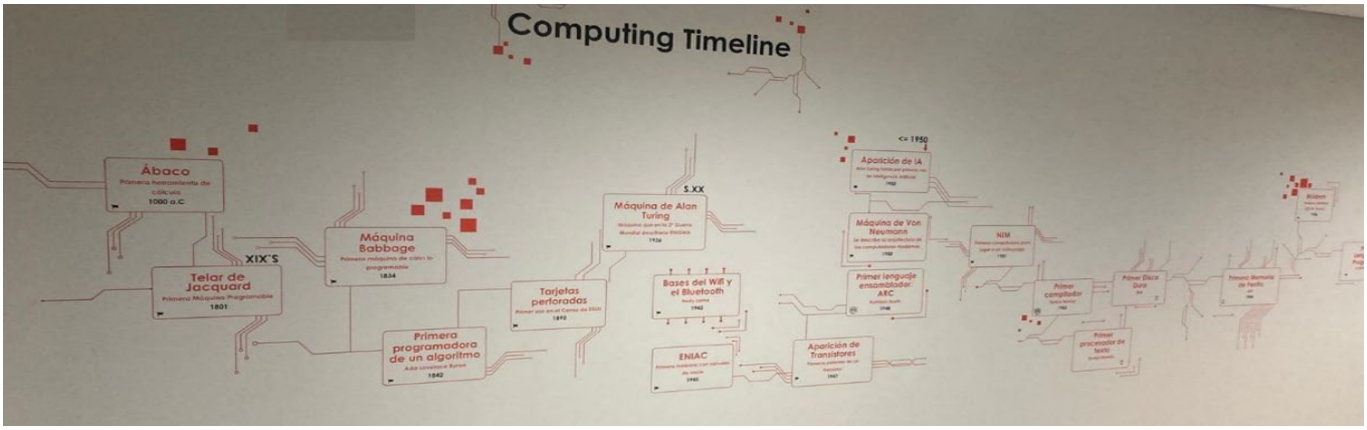
Our teachers participate as trainers in a student competition in the United Arab Emirates

EURO-INF ACCREDITATION VISIT

On 28 February, the STEAM School received a virtual visit from the the EURO-INF seal accreditation panel, to which our Bachelor's Degree in Computer Engineering is applying. The work to obtain this seal began in October 2024 with the preparation of a self-report in which those responsible for the degree at the School mainly participated. The self-report included a historical introduction to the long history of our degree in Computer Engineering, which is taught at the Universidad Europea since 1995 and, as a Degree adapted to Bologna, since the first year in which the adaptation process began (academic year 2009/2010). In addition to descriptive information on the degree and the report preparation process itself, the most relevant part of the report was the justification for the alignment of the learning outcomes of the degree with the sub-results of the EURO-INF seal. Subsequently, a process was opened for all the teachers, who taught in the degree in the 2023/2024 academic year, to gather all the evidence that showed how these learning outcomes are achieved in our degree. All evidence were offered to the panel for assessment prior to the visit. During this visit, all the doubts raised by the panel were resolved and we are currently waiting for the report of the members of the panel and the subsequent resolution, which we hope will arrive in a few months. If we achieve it, we would be one of the first private universities in Spain to obtain it. »

Euro-Inf Bachelor awarded by EQANIE

The STEAM School opts to be one of the first private universities in Spain to obtain the EURO-INF seal



COMPUTING TIMLINE

In February, the School premiered the first of several Timelines that will appear throughout the semester on different areas or disciplines of engineering. The first of these has been the one that represents the history of computing.

A history that ranges from the first calculating machines, to the latest advances of our days such as generative AI. Along the way, the first programmable machines, the first impacts in the different wars of the twentieth century, the appearance of the first computers, the first microchips and the expansion of personal computers, among others. »

> A MACHINE CAN DO ANYTHING, IF WE KNOW HOW TO EXPLAIN IT TO IT IN A LANGUAGE IT UNDERSTANDS.
>
> Ada Lovelace

NEW CTF (CAPTURE DE FLAG) HOSTED BY HACKNET

A new Hacking contest organized by the students of the HackNet cybersecurity team of the C_INT club took place during this term. On this occasion, the contest tested the skills of the participants through a total of nine challenges with attractive names such as "One Journey, One Victory" or "Breaking the Epsilon Code". The winners were given different useful devices as a prize to deepen their knowledge of cybersecurity.

The first place in the ranking went to Paula Romero, the second to Sahar Aman and the third place went to Pablo Bermejo.

As on previous occasions, the competition had the collaboration of Hackrocks. »

NEURALTECH DATATHON, THE AI TEAM CONTEST C_INT

During the last week of February and the first week of March, the first contest organized by the AI team of the C_INT student club was held. In the first edition of this new competition, participants faced the challenge of analysing and modelling traffic accidents recorded in the City of Madrid between 2020 and 2024 by the Policía Municipal. Aspects such as the accuracy of the Model, the clarity and organization of the Notebook presented or the usefulness of the documentation presented were evaluated.

The winners were Jorge de la Peña, Luis Miguel Aparicio and Fabián Delgado, and David Cano and Marcos Pérez. »

ELASTIC CARS CONTEST

The past March 5th in the Hall of the School of Architecture, Engineering, Science and Computing, the final of the Elastic Energy Vehicle Competition was held. Creative and physical teams designed vehicles powered by elastic energy. Congratulations to all the participants and the three finalist groups! Thanks to professors José Manuel López López and Rafael Escalera Rivas for making it possible. First prize winners: Alexander Romanov, Fco Javier Laso Iglesias and Juan Fernando García Pradíes. Special mention to María Fuencisla, coordinator of the Bachelor's Degree in Physics, for her excellent coordination. »

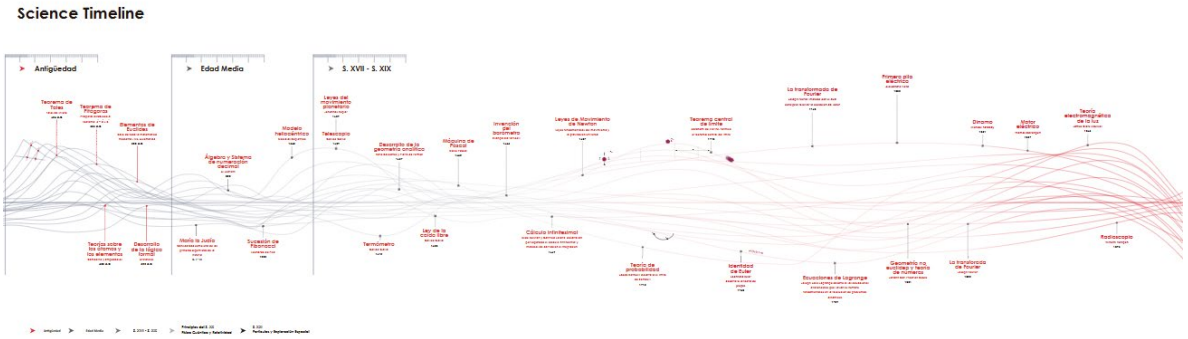
AEROSPACE TIMELINE

The university is proud to announce the creation of an timeline that highlights the most important milestones in the field of aerospace engineering. This educational tool will allow students and the general public to explore the advancements and achievements in this fascinating discipline. Discover the history of aerospace engineering with us! »

ROVER COMPETITION

On March 5, 2025, at the Villaviciosa de Odón Campus, the exciting Rovers Vehicle Competition was held as part of the SciTech Day. Organized by Professor Julio Gallegos, the rovers competed to complete a 20-meter obstacle traverse autonomously, demonstrating exceptional skills in robotics and space technology. We congratulate the winners: Fernando Cabello, Darío Heríquez, Javier Martín, Oscar Molinero and Juan Salazar, for their outstanding performance in this challenging event! »

THE COMPETITIONS REFLECT THE PROJECT-BASED ACTIVITY THAT TAKES PLACE IN THE SUBJECTS OF THE BACHELOR'S DEGREES IN FÍSICA Y DE INGENIERÍA AEROESPACIAL



SCIENCE TIMELINE

The STEAM school has developed a timeline in science that spans from Thales' Theorem in 624 BC, where Thales of Miletus establishes Thales' Theorem in plane geometry, to the introduction of Advanced Quantum Processors by IBM in 2022. Notable milestones include the Pythagorean Theorem in 505 B.C., the first atomic theories in 400 B.C., and the capture of the first direct image of a black hole by the Event Horizon telescope in 2019. This timeline is a valuable educational tool for understanding the evolution of science... »

THIS TIMELINE IS A VALUABLE EDUCATIONAL TOOL FOR UNDERSTANDING THE EVOLUTION OF SCIENCE

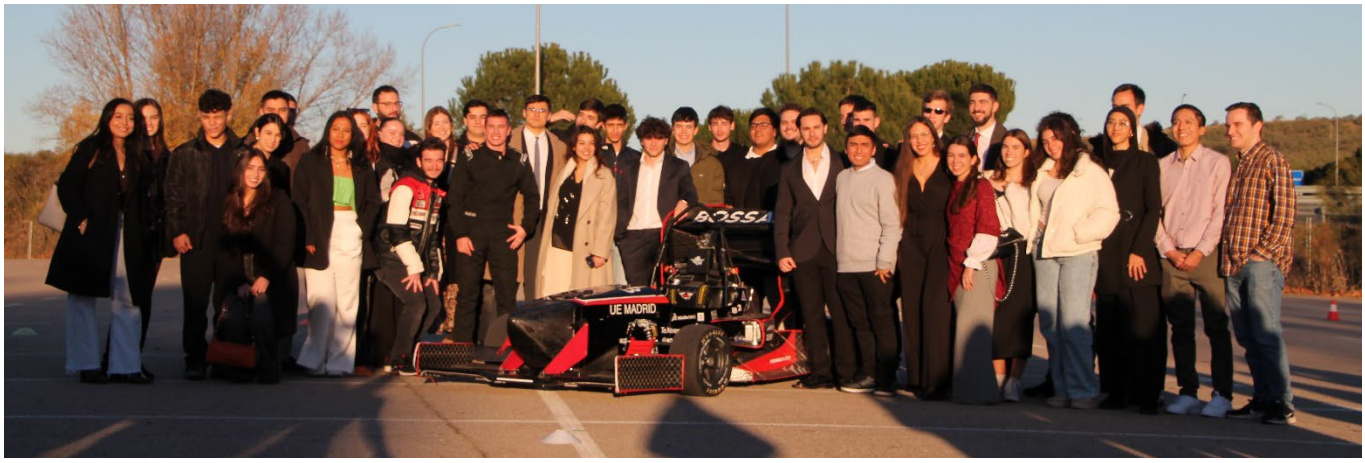
JOURNEY TO MARS

On February 25, our university was the epicenter of a unique transdisciplinary experience. With the support of experts from the European Space Agency - ESA and our teachers, the students worked in interdisciplinary teams to design the key phases of a mission to Mars. From communicating the project to planning the trip and creating a viable colony on the Red Planet, this activity challenged participants to apply their knowledge in a collaborative and realistic environment. Innovation, teamwork and science at the service of the future.

Not only did this initiative foster collaboration across different disciplines, but it also highlighted our students' ability to tackle complex challenges and think outside the box.

SPACE-DVISION'S PRESENCE IN THE CLASSROOM

At the end of March, the Aula 2025 fair has witnessed the participation of student clubs, especially the Space Division club. During the fair, the members of the club explained the achievements made with this rocket, programmed to reach an altitude of 2100 meters and a maximum speed of 1100 km/h, approaching the speed of sound with Mach 0.9. The Aula 2025 fair has been an ideal platform for students to show their talent and dedication in innovative projects, inspiring other young people to follow in their footsteps in the field of science and technology. »



PRESENTATION OF FORMULA XVII

On December 20th, at the European University of Madrid, the team had the opportunity to present the 2025 season, during which the FUEM XVII has been developed. Throughout the event, the year's objectives, technical innovations, organisational structure and the latest innovation results were showcased, proudly continuing the legacy of Formula UEM This exhibition highlighted the months of dedication, hard work and unwavering passion for automotive excellence and engineering that characterize the team.

It was an honor to host a diverse audience, including faculty members, university executives, team members, and their families. The ceremony highlighted the exceptional achievements of each department within the organization.

Team Leader, Michele Ambrosini, together with representatives from the Aerodynamics, Chassis, Manufacturing, Powertrain, Vehicle Dynamics, Business, Communications and Logistics departments, took the stage in Auditorium A to present the unique contributions that their respective departments provide.

After the presentations, they headed to the test area for a dynamic demonstration of the previous season's car, the FUEM XVI. A series of tests were carried out, demonstrating that the innovations proposed are not only theoretical, but also fully functional and performance-oriented. After the tests were over, attendees approached the car, interacted with the team and captured memorable moments through photographs.

Beyond presenting the work done, this event provides the opportunity to interact with all those involved, share knowledge about the projects to be developed and build lasting connections for the future. The warm ovation of those attending the event reaffirmed the good work done and the enthusiasm of all the members of the team. »

"NOW MORE THAN EVER, WE CAN PROUDLY SAY THAT WE ARE #ProudToBeFUEM"

link » https:/ / www.formulauem.com/

VISIT EMT MADRID OPERATIONS CENTER

3rd year Degree Students in Engineering Industrial Systems had the opportunity to visit the Centro de Operaciones de Carabanchel de EMT Madrid. Miguel Ángel Ballesteros, Manager of the Centro de Operaciones was the person who received them and showed them the facilities.
This visit allowed the students to learn first-hand about the exercise of the profession for which they are preparing in a field such as public transport operations.

During the meeting, they were able to observe how sustainability, with the mobility assistance services they offer and the incorporation of new electric transport technologies, are being incorporated into Madrid's public transport.
Undoubtedly, with this type of initiative, what is learned in the classroom takes on greater meaning when it is directly reflected in the workers of a company as relevant as the EMT. »

link » https://www.linkedin.com/feed/update/urn:li:activity:7305613287419748356/

ESTEFANÍA ESTEVEZ PRIEGO, A TEACHER AT THE SCHOOL, PUBLISHES THE AUDIOBOOK ENTITLED "THE NEUROBIOLOGY OF SLEEP"

Estefanía Estévez Priego, professor of Biomedical Engineering at the School of Architecture, Engineering, Science and Computing (STEAM) has recently published her audiobook entitled "The Neurobiology of Sleep", which transports the listener on a journey to the secrets of our brain during rest.

The book provides different key questions that help to understand the functioning of what the author defines as "one of the most mysterious activities of the brain: sleep". In her audiobook, she invites us to rethink the importance of respecting sleep, a vital function for health and well-being.

The publication of this audiobook by Estefanía Estévez represents a significant contribution to scientific culture and demonstrates the commitment of the Universidad Europea with the dissemination of knowledge, inviting students, professionals and the general public to explore and better understand the most complex organ of the human body. »

link »https://universidadeuropea.com/noticias/estefania-estevez-priego-explora-secretos-cerebro-durante-descanso-/

"ALTHOUGH WE ARE CLEAR THAT SLEEP IS NOT A LUXURY BUT A BIOLOGICAL NECESSITY, SOCIETY HAS A COMPLICATED RELATIONSHIP WITH SLEEP HYGIENE"

STEAM DAYS CELEBRATION IN MAY

In May, we will celebrate the third edition of the STEAM Days, an annual day dedicated to science, technology, engineering, art and mathematics. This year, on May 21 and 23, we will address topics such as the current and future impact of AI on STEAM professions, as well as the influence of sustainability on various disciplines. In addition, panel discussions, interviews, and talks will be held that will inspire students to explore and develop their skills in these areas. At the end of each day there is a space with coffee to contact the participants and continue with the discussion. The event is broadcast by streaming and there are a few places to witness it from the TV set. »

ON MAY 21 AND 23, WE WILL ADDRESS TOPICS SUCH AS THE CURRENT AND FUTURE IMPACT OF AI ON STEAM PROFESSIONS, AS WELL AS THE INFLUENCE OF SUSTAINABILITY IN VARIOUS DISCIPLINES

VISIT OF THE SCHOOL OF SUSTAINABILITY OF THE UNIVERSIDAD EUROPEA TO COLOMBIA AND ECUADOR

In April 2025, the School of Sustainability of the Universidad Europea will visit Colombia and Ecuador to strengthen its position in the region and foster key relationships. During Sustainability Week, workshops, forums and meetings will be held with leading institutions, promoting energy solutions and sustainable tourism. The School of Sustainability is the first university centre in Spain aimed at training professionals who will lead the green economy revolution. It is a place of reference where education, industry and values come together, ensuring first-class training. »

CICLO DE REFERENTES - AURORA DEL CASTILLO A SERIES OF INTERVIEWS WITH OUTSANDINGPROFESSIONALS

In April, as part of the "Ciclo de Referentes", an interview will be held with Aurora del Castillo, retired Vice President of the Airbus company, member of the team of technical experts for the evaluation of proposals of the Comisión Europea within the framework of the Fondo Europeo de Defensa, and Expert advisor in the Universidad Europea de Madrid, at the STEAM School. During the interview, Aurora del Castillo will share her experiences and knowledge about the aerospace industry, the evaluation of proposals in the field of European defence and her role as an advisor in STEAM education. This interview will be a unique opportunity for the students of the school, who will be able to learn from his vast experience and get valuable advice for their professional future. Don't miss it! »

SELGASCANO

This course we will have the presence of the architects Lucía Cano and José Selgas, founders of the Madrid studio SelgasCano.
With such outstanding works as, among others, the Palacio de Congresos de Badajoz, the Auditorium El Batel in Cartagena, or the Serpentine Pavilion in London, his work has been exhibited in prestigious international museums and galleries such as the MoMa and the Guggenheim in New York, the Venice Biennale, or the Design Museum in London.
His presence at the School represents a unique opportunity for our Architecture students, who will be able to learn from his vast experience and innovative vision. »

"SELGASCANO: POLYCHROMY, CREATIVE EXPLORATION WITH NEW MATERIALS AND DEEP UNDERSTANDING OF THE RELATIONSHIP BETWEEN WORK AND SURROUNDING LANDSCAPE"

CIVIL ENGINEERING WEEK

From May 23 to 30, it is held in the Plaza de Callao de Madrid, the 8th Week of the Ingeniería de Caminos en Madrid, organized by the CICCyP.
La Universidad Europea will participate in the workshops and events of the Week, together with other Universities, Organizations and Companies, to publicize the studies and the profession.
Our participation will extend our own Civil Engineering Week, with the 10th edition of the Bridge Competition with students of the Bachelor's Degree in Ingeniería Civil, and 3D Prototype Manufacturing. »

AGREEMENT WITH THE CITY COUNCIL OF VILLAVICIOSA ODÓN

On February 17, we had the privilege of having the presence of the Councilor for Urban Planning, Heritage, Citizen Security and Civil Protection, of the Ayuntamiento de Villaviciosa de Odón, Francisco Javier Moreno Herránz (Dr. Arquitecto UEM).
Javier participated in a work session within the development of the Final Degree Projects, focused on the generation of proposals for Villaviciosa, on the horizon 2025 (through a Research contract-project that we will sign with the City Council). »

Instituto Superior de Engenharia do Porto

WORKSHOP ON SYSTEMS THINKING IN PROJECT- BASED LEARNING

On May 27 and 28, we will be visited by professors Susana Nicola and Alberto Pereira from ISEP - Instituto Superior de Engenharia do Porto (CDIO member university). On Wednesday 28, in two time slots: 10:30 a.m. and 12:30 p.m., they will give a training offered to our entire faculty on how to apply the challenge-based approach and systems thinking to the Project-Based-Learning methodology. To approach a project with the aim of solving a problem, you must first understand the nature of the problem well. Without a correct understanding and a good definition of the objective, we will work on a poorly posed problem. That is why it is essential in the project-based learning methodology to teach students systemic thinking, so that they are able to do good things.

mental models of the part of the world object of interest, in order to achieve a correct definition of the problems to be faced. Teachers can register through the employee portal, Oracle, for the session that interests them most. »

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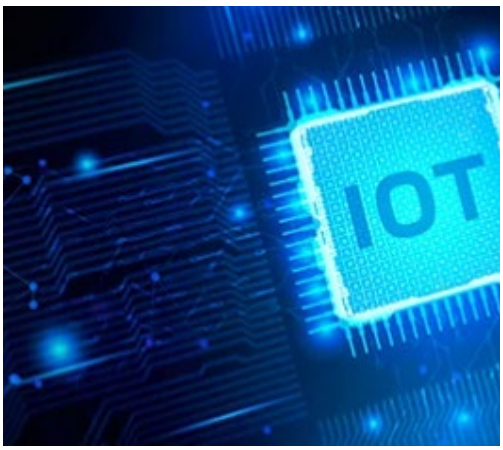

FIRST PROMOTION OF THE IoT AND INNOVATIVE TECHNOLOGIES DEGREE

In the 2021-2022 academic year, it was offered for the first time, to students enrolled in the first year of the Bachelor's Degree in Ingeniería Informática, the possibility of additionally and at no cost a specific degree to be able to give them the option of learning some technologies. The idea was to create a space for them to have contacts with technologies that they did not deal with during the Degree, such as IoT, Blockchain, FinTech or Cobots, among others.

Despite the additional effort, two more hours of class per week for practically the four years of the degree, a group of 15 students will finish this year the degree. 92% of them believe that this knowledge will contribute positively to their career and 61% believe that it has improved the learning of other aspects of the subjects of the Computer Engineering degree. »

NEW DEGREE TRIP FOR COMPUTER SCIENCE STUDENTS

At the beginning of April, the students of the third year of the Bachelor's Degree in Ingeniería Informática they will make the degree trip again. On this occasion they will travel to Malaga to visit Picasso, the supercomputer of the super computing and bioinnovation center of the University of Malaga, and two Innovation Centers, the Oracle Center in the Malaga Tech Park and the Vodafone Innovation Hub. Our students will be able to learn about the operation of a supercomputing center and, in addition, learn about the different projects that are developed in both innovation centers and, who knows, maybe something of what they see will become their future passion. »

CARLOS VAELLO

Carlos Vaello Martínez has developed an outstanding professional career in the field of electronics and technology. Alumni of Telecommunications Engineering, he identified common problems in critical industrial environments, which became the technological pillars that underpin the vision of Reidite Electronics. Currently, he is the co-founder of this innovative start-up in the electronics sector. Reidite Electronics SL, founded in March 2024 in Madrid, is dedicated to the design, development and manufacture of its own hardware, including System On Modules based on microcontrollers, CPUs and FPGAs. The company also develops core system software that makes its hardware plug and play, and a proprietary integrated development environment (IDE) to facilitate software development for its customers on a centralized platform.

Carlos Vaello Martínez's career is an inspiring example of how dedication and skills can open doors to professional opportunities in the field of electronics and technology. His work continues to contribute to the advancement of science and technology, and his experience is a source of inspiration for students and professionals looking to make a difference in the world of technology. »

Here is some information about the news // Date, Location and Link
link » http//:uem.es/newsletter

ALICIA BALTASAR. ALUMNI BACHELOR'S DEGREE IN MATHEMATICAL ENGINEERING IN DATA SCIENCE

Alicia Baltasar Expósito, alumni of the Bachelor's Degree in Mathematical Engineering in Data Scicence from the STEAM School, has developed an outstanding professional career in the field of data science. Currently, she works as a Data Scientist at Bankinter, where she has been contributing to the optimization of processes and cost reduction in different areas of the bank for two years. Alicia has developed predictive models, classification and recommendation systems, demonstrating her ability to apply her knowledge in high-impact projects.

Prior to her current position, Alicia did an internship as an IT Consultant at KPMG Spain for ten months, participating in a digital transformation project based on RPA and Low Code for an international client in the food sector. His experience at KPMG allowed her to gain valuable skills in technology consulting and project management, which she has successfully applied in her professional career.

In addition to her work experience, Alicia has demonstrated her commitment to accessibility and innovation through her final degree project, entitled " System for interaction between Spanish sign language users and voice control assistants ". This project, led by Enrique Puertas Sanz, focused on developing a tool that acts as an intermediary between LSE users and voice control devices, implementing an innovative product that has been approved for presentation and defense.

Alicia Baltasar Exposito's career is an inspiring example of how a STEAM education can open doors to professional opportunities in the fields of data science and technology. Her dedication and skills have made her a leading professional in her field, and her work continues to contribute to the advancement of science and technology. »

PAULA RIAL PLAZA. BACHELOR DEGREE IN PHYSICS.

Last June 2023, after finishing my study abroad at the University of Newcastle, Australia, I graduated in Physics with a major in Materials at UEM. From the beginning of my career, my passion was largely directed towards their application in the energy sector and demonstrating that the existence of fusion and fission reactors is the most promising resource to achieve a net profit of clean and sustainable energy. Thanks to the university I had the honor of doing an internship at the CIEMAT National Fusion Laboratory for ITER, the world's largest fusion experiment. This experience gave me a positive change of perspective about nuclear energy today and what it will become in the near future.

Since February 2024, I have worked on the 1st Phase of Decommissioning of the Central Nuclear "Santa María de Garoña" as a technical office engineer at Mantenimiento y Operación en Marsein. I am in charge of the safety and management of spent nuclear fuel, coordinating electrical maintenance, instrumentation and heat insulation, and the loading of nuclear waste into the reactor pool. I am also a professor of physics, mathematics and programming at the international institute THP.

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In September, I started the Biennial European Master's Degree in Fusion Energy and Engineering Physics in Marseille, recognized by 5 world-renowned universities, including Aix-Marseille University and Ghent University. I will have the opportunity to work at ITER, CEA's WEST tokamak and IPP's GOLEM tokamak in Prague. »

ROBERTO PLAZA – DOUBLE DEGREE OF COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION

My professional career has always been closely linked to university. While I was studying I worked interviewing students, being a monitor, giving workshops, researching autonomous cars in a national project and years later as a teacher.

During this period, together with a team of engineers, we participated in all kinds of competitions and projects, winning the Egg-Drop drone competition, being third in the international Laureate Award for Excellence in Robotics Engineering in Perú, also winning the Equifax award for Startup programme... All these initiatives showed in me what would lead me to create my company Optren together with two fellow students.

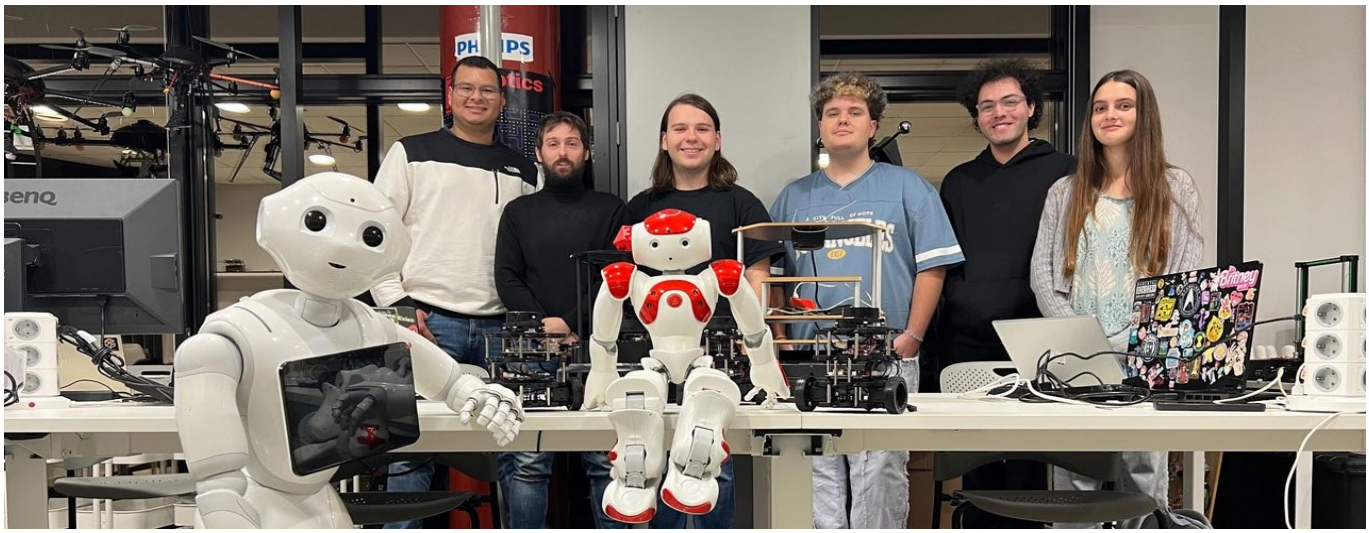
Also, I was selected as one of the winners of the International Grants Program of Iberdrola Master in 2019. Being able to live an international experience while studying a master's degree in Big Data at the University of Strathclyde, Scotland.

After this, I started working for Iberdrola i-DE in Madrid as a Information Systems Engineering at the Infraestructure department. My work was both operational and project-based. Helping to deploy and maintain new technologies in the fields of private cloud, virtualization, automation and cybersecurity.

Soon after, in 2023, the opportunity arose to help create a department similar to the one I had been working for Iberdrola's Scottish subsidiary, Scottish Power. Where I am currently in the position of System Lead Engineer.

My role in this position has shifted slightly away from daily operations and consists of serving as the technical reference in the systems area, overseeing two people and leading the team's strategy and support. To achieve this, we rely on documentation and procedures for any process or asset in all areas where we participate, from access management and new implementations to projects, infrastructure maintenance, and cybersecurity..

Right now I'm closing my business so I can focus more on my personal life, although, as always, I'll continue to look for those experiences that enrich us. »



Club Robotics

The Robotics Club UEM has focused this academic year on introducing students to different fields of robotics. Internally, we have organized public "Workshops" where essential technologies such as Arduino, SolidWorks, and Ultimaker Cura have been taught. Afterward, students had the opportunity to apply what they learned in a competitive environment with our SUMOBOT_UEM_25 contest, where they build and program their own robot under the guidance of our president, Pablo Escudero. The teams that successfully complete this challenge will have the honor of competing in our grand final, which is set to take place on the 24th of April.

At the same time, this year we are preparing three teams to participate in the Asti Robotics Challenge, one of Spain's largest educational robotics competitions. With our team Duck Fighters, last year's first-place winners, who are helping their peers achieve this major challenge. Through this experience, students learn to work in teams while expanding their practical robotics knowledge, making this a unique hands-on learning opportunity in an inter-university setting.

Finally, on a more international scale, with the support of Santander Foundation and University Life, we have set our sights on competing in the RoboCup @Home League, a global benchmark in automation and artificial intelligence. We have a team with advanced knowledge, supported by university faculty, programming a TurtleBot 4 to complete various challenges in a simulated home environment, following automation guidelines and sociological behavior patterns. We aim to use this opportunity to lay the foundation for a research group in robotics and artificial intelligence within the university, creating a space where students and professors can collaborate on cutting-edge projects, driving technological innovation, and strengthening our presence in both the academic and professional fields. »