Universidad Europea

NEWSLETTER
UE STEAM SCHOOL

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SCHOOL OF ARCHITECTURE, ENGINEERING, SCIENCE AND COMPUTING - STEAM

UE STEAM SCHOOL

NEWSLETTER

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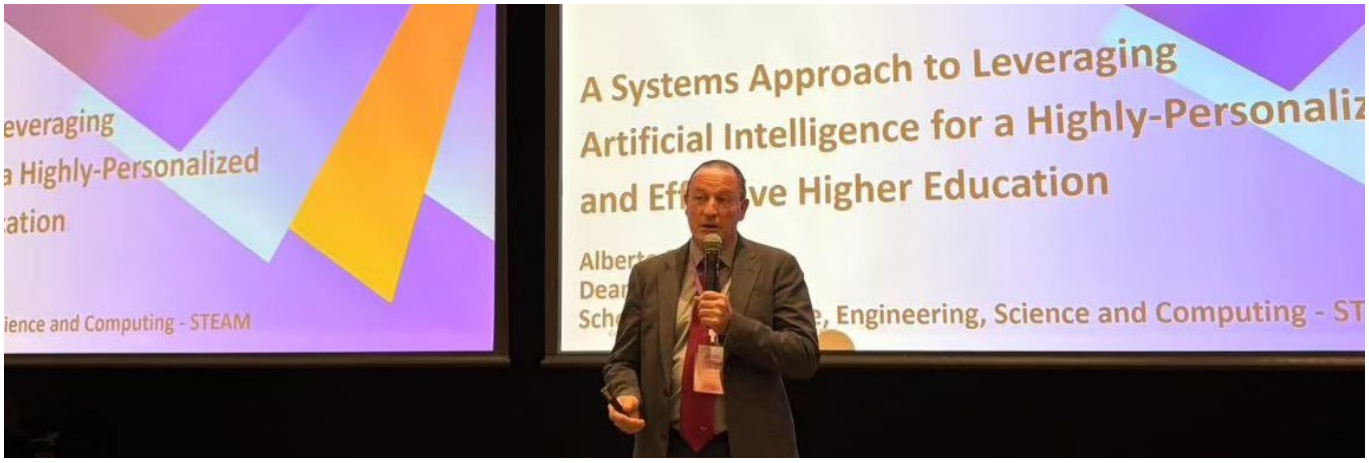


JOINT SYMPOSIUM ON EMERGING TECHNOLOGIES AND FUTURE TALENT

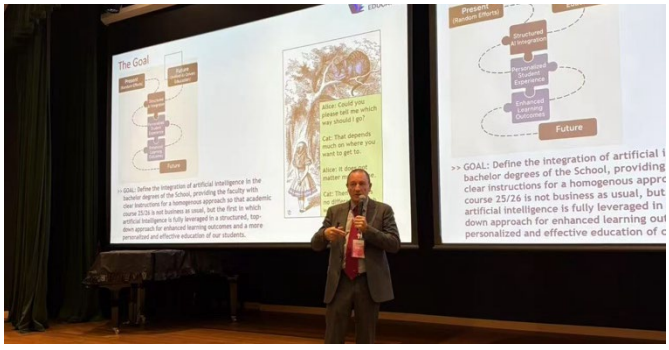
From May 8 to 10, the Joint Symposium on Emerging Technologies and Future Talent was held at The Education University of Hong Kong, which was co-organized with Harvard and Standord. The symposium brought together more than a hundred professors from different universities, who addressed the way in which artificial intelligence is being incorporated into higher education, along with other technologies, to improve the training of students and enhance both their development and the full deployment of their talent. The organization of the event, by Dr. Minjuan Wang, was excellent in every way.

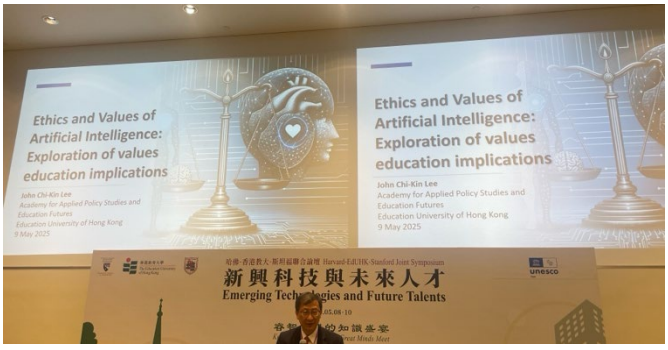
La Escuela presentó 'A Systems Approach to Leveraging Artificial Intelligence for a Highly-Personalized and Effective Higher Education'. The presentation, which focused on the way in which the School is incorporating artificial intelligence into the School's programmes in a topd-down, objective and structured way, was very well received and sparked an interesting debate.

The excellent Keynote Address, on ethics and values in artificial intelligence, was by Dr. John Chi-Kin Lee, President of The Education University of Hong Kong.

The presence at this symposium, which included speakers from Harvard, Stanford and The Education University of Hong Kong, among others, allowed us to learn from best practices in other institutions and at the same time share the way in which the School works on the incorporation of artificial intelligence. »

THREE LEVELS IN THE EVOLUTION OF ARTIFICIAL INTELLIGENCE: COMPUTING, PERCEPTION, COGNITION.





FOURTH REPORT OF THE OBSERVATORY OF ARTIFICIAL INTELLIGENCE IN HIGHER EDUCATION

'Artificial Intelligence: Perspectives and Challenges from the Student's Perspective' is the title of the fourth report of the Observatory of Artificial Intelligence in Higher Education. The Observatory of Artificial Intelligence in Higher Education was established to better understand the opportunities and risks of artificial intelligence (AI), and thus be able to take advantage of it to make the training of university students more effective. Any complex challenge must be addressed with a systemic approach. Only with a global vision can we have reasonable assurance that the decisions taken are the right ones. This overall vision requires taking into account all stakeholders and, especially, the main protagonists, which are university students.

The study was developed under a mixed sequential approach (quantitative and qualitative), with the purpose of rigorously, comprehensively and multidimensionally examining the perceptions, practices and expectations of Spanish university students regarding the incorporation of AI in their training processes and in their future professional insertion. As indicated in the conclusions of the report, 'there is a positive attitude towards AI among students, but also a certain concern about its impact on the professional future, especially in areas such as the humanities or related to the audiovisual medium. Students expect and need both clear instructions on when AI tools are required, recommended, or allowed and under what conditions, as well as a clear example of their correct use by teachers. Collaboration between public and private universities, as well as between the academic and business spheres, is presented as key to advancing in training that is more aligned with the demands of the labour market. »

THE STUDENT PERSPECTIVE IS ESSENTIAL FOR ADDRESSING THE INTEGRATION OF AI THROUGH A SYSTEMIC APPROACH.

METHODOLOGY WORKSHOP WITH SUSANA NICOLA AND ALBERTO PEREIRA

Challenge Based Learning training for teachers from the Higher Institute of Engineering of Porto.
On May 28th, professors Susana Nicola and Alberto Pereira from the Higher Institute of Engineering of Porto visited us to give two workshop sessions on Challenge Based Learning in Engineering and how it relates to the Project Based Learning methodology and the principles of CDIO (Conceive, Design, Implement, Operate) and Design Thinking.

40 professors from the School attended, between face-to-face and online, and they carried out group work to devise a project according to the learned phases of Engage (Ideation Process), Investigate (Analysis) and Act (Proof of Concept, Minimum Viable Product). It served to share experiences, areas for improvement and remember some of the fundamentals of our methodology. The main difference is that it leaves the project statement much more open, allowing students to detect a real problem or need and thus increase the motivation factor for their work. The need for teacher resources and calendar was also noted. »

DAVID NOWICKI, VISITING PROFESSOR

Dr. David Nowicki of the University of North Texas, an expert in logistics and supply chain, completed his tenure as a visiting professor in April. Their collaborations and interactions were especially frequent and relevant with the professors and students of the Grado en Ingeniería de Sistemas Industriales, for his training in that discipline and his many years in the industry. He gave a couple of master classes related to the problems of global supply chains, a highly topical topic in the current international geopolitical context.
In addition, David shared with researchers from the School some excellent reflections and lessons learned in his long and successful career as a researcher, in which he stands out for the numerous competitive projects achieved and the articles published.
David's stay at the School as a visiting professor was very stimulating and enriching, contributing to improving the students' training and university experience. »

EXTERNAL FUNDING OPPORTUNITIES NEED TO BE IDENTIFIED AND MANAGED STRATEGICALLY.

STEAM SCHOOL STUDENTS PARTICIPATE IN THE XVII INTERNATIONAL IT SEMINAR

Universidad Europea held a new edition of the International IT Seminar for Students at Universidad Europea de Madrid.

From April 22nd to April 25th, students and lecturers from HES-SO Valais-Wallis (Switzerland), Haaga-Helia University of Applied Sciences (Finland) and Universidad Europea (Spain). enjoyed an intensive week of workshops related to artificial intelligence (AI), Robotics, cybrersecurity and internet of things (IoT).

The first IT Seminar was celebrated in 2006 in Helsinki (Finland). And this year took place the XVII edition of the seminar in Madrid.

During the XVII International IT Seminar, students from Haaga-Helia University of Applied Sciences, HES-SO Valais-Wallis and Universidad Europea have learned new IT topics related to artificial intelligence, cibersecurity, robotics and Internet of things. They have also competed in high-level hacakatons and developed cool mobile robots with artificial vision. We enjoyed an amazing battle robots vs. people!

IT Seminar 2025 finished with a very special day where we delivered Diplomas to all participants, including an outstanding recognition to Heikki Hietala, IT SEMINAR FOUNDER, for his 20-year service to the IT SEMINAR CONSORTIUM. We also visited the Real Aero Club de España by Fundación Infante de Orleans in Cuatro Vientos.

Our Dean Alberto Sols and Vice-Dean Pedro J. Lara Bercial participated in the closing ceremony with an emotional speech. »

> "THE FIRST IT SEMINAR WAS CELEBRATED IN HELSINKI IN 2006. THE XVII EDITION WAS HELD IN MADRID IN 2025"

XVII INTERNATIONAL IT SEMINAR // April, Universidad Europea de Madrid

THE SCHOOL OF SUSTAINABILITY STRENGTHENS ITS ALLIANCE WITH LATIN

The School of Sustainability has carried out an institutional mission in Colombia and Ecuador with the aim of strengthening strategic ties in the region. The agenda included meetings with the Universidad del Rosario, the Universidad Técnica Particular de Loja (UTPL) and the Universidad San Francisco de Quito, as well as participation in academic forums and interviews in the media.

During the visit, the international dimension of the Annual Sustainability Innovation Challenge was enhanced and progress was made in the construction of an Ibero-American academic ecosystem committed to the ecological, social and economic transition.
This action is part of the School's positioning as a benchmark in university sustainability and a bridge between Europe and Latin America. »

SUSTAINABILITY HACKATHON: INNOVATION WITH PURPOSE

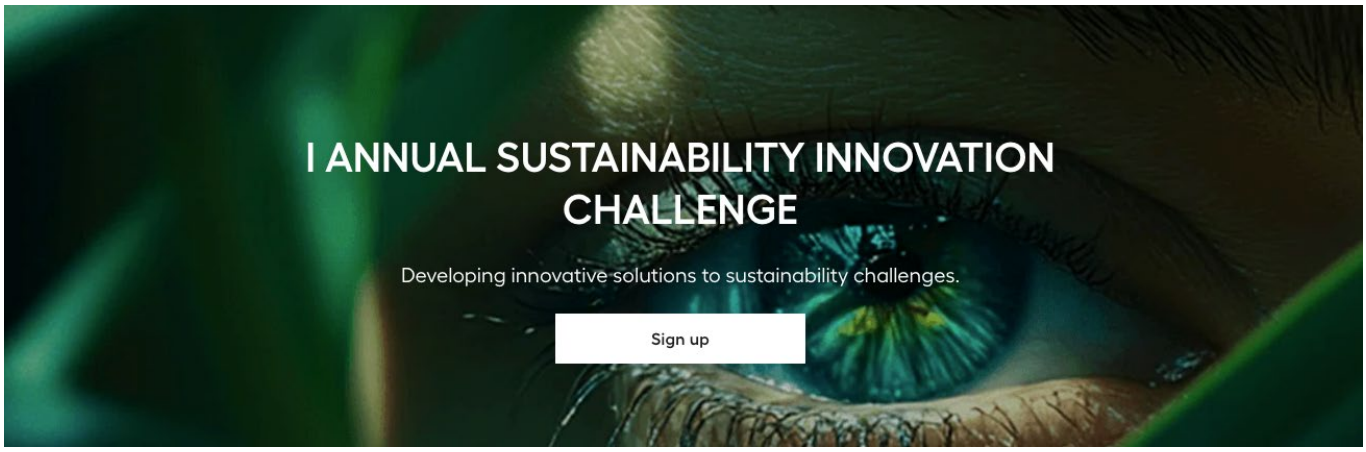
The School of Sustainability has promoted a university Hackathon in collaboration with Amazon Web Services (AWS), focused on the development of technological solutions to real challenges related to sustainability.
During two intensive days, students from various disciplines worked in multidisciplinary teams to devise innovative proposals that responded to challenges posed by companies such as CHEP, HEINEKEN, LG or SACYR.

In addition to encouraging critical thinking and collaboration, the activity has served as preparation for the Annual Sustainability Innovation Challenge, connecting students with key tools to move from idea to action.

The hackathon reinforces the School's commitment to active learning methodologies and training connected to the real needs of the sector. »

link » https://estudiar.universidadeuropea.com/hackathon-escuela-sostenibilidad/

"EXPLORING HOW ARTIFICIAL INTELLIGENCE CAN ACCELERATE SUSTAINABLE SOLUTIONS IS KEY TO TRAINING THE TALENT THAT WILL LEAD THE TRANSITION"



THE FIRST CHALLENGE OF INNOVATION IN SUSTAINABILITY MOVE FORWARD WITH PROMISING PROJECTS

After the first phase of the I Annual Sustainability Innovation Challenge, the projects that continue in the acceleration process have already been selected. The winning proposals of this stage have demonstrated a high transformative potential and a strong connection with the real challenges posed by the collaborating companies.
The teams will now have access to a specialized mentoring program and seed funding that will allow them to move towards a minimum viable product, which will be presented in December 2025.

The Challenge thus consolidates its commitment to applied training, connected to the professional world and aimed at generating impact on the environment. Students from the European University and three Latin American universities are participating in an initiative that combines innovation, sustainability and global vision. »

THE SCHOOL OF SUSTAINABILITY JOINS THE IFEMA CITIES FORUM

The School of Sustainability has joined the IFEMA Madrid Cities Forum as an associated entity, a benchmark space for dialogue on the urban future from an integrative, participatory and sustainable perspective.

This collaboration opens up new opportunities to promote applied knowledge, connect with key actors in the urban ecosystem and participate in the next editions of the Forum by providing an academic and innovative perspective.

With this alliance, the School reinforces its role as an active agent in the debate on the design of fairer, more resilient and sustainable cities, and consolidates its presence in the main spaces of strategic reflection at the national level. »

link » https://www.ifema.es/foro-ciudades/notas-prensa/anuncio-nueva-iniciativa-alianza-innovacion-urbana

"PROMOTING SUSTAINABLE CITIES REQUIRES WEAVING ALLIANCES BETWEEN ACADEMIC KNOWLEDGE AND DECISION-MAKING SPACES"

MIGUEL ALVAREZ'S VISIT TO THE FORMULA UEM STUDENTS

The students of the Formula UEM team of this year 2025 had the opportunity to have the MotorSport engineer, Miguel Álvarez, visit them at the School's facilities.
Miguel Álvarez, is currently manager at Honda Racing F1 and his professional career is impressive, having worked from FSAE to Formula 1, always linked in one way or another to the world of motor racing.
During their visit, the students had the opportunity to learn from the experience of a professional who also started in a team of Formula Student and who achieved what is a dream for any of the students of the degree.
Apart from analysing technical aspects of the car under development, Miguel Álvarez stressed the multidisciplinarity of an area that is sometimes linked only to mechanics and engines, and yet covers many different disciplines, being an example of adaptation to different environments, ways of working and areas of knowledge.
I would like to thank Carlos Talayero for the opportunity to have had this visit. »

NEW CERTIFICATED PROGRAM IN MOTORSPORT ENGINEERING

Together with the Degree in Industrial Systems Engineering, the new certificated program in Motorsport Engineering is launched in the 25/26 academic year.

Students are increasingly demanding specific training in the field of competitive engineering. This demand led the School to create this certificated program that aims to be a complement to the qualifying regulated training given by the Degree in Industrial Systems Engineering. Valid both for students who will choose the mention in mechanics in the third year and for those who choose the industrial electronics major, it will allow them to have a knowledge superior to that taught in the degree in an area that is very attractive to them.

With the modules of: competitions and vehicles, regulations and strategies in Motorsport, configuration of competition vehicles, mechanical design in competition, electronics in competition and a final project, we hope that this degree will be a training appreciated by our students and useful for their future professional career. »

link » https://universidadeuropea.com/grado-ingenieria-sistemas-industriales-madrid/

"COMPETITIVE ENGINEERING COMPLEMENTS THE TRAINING OF THE DEGREE IN A VERY ATTRACTIVE AREA FOR STUDENTS"

EXFO LEADING COMMUNICATIONS COMPANY NEW INDUSTRIAL PARTNER FOR THE SCHOOL

EXFO, a leading company in the field of testing, supervision and analysis for the communications industry, signed an agreement with the School as a new Industrial Partner.

EXFO has donated one of its ODTR equipment for laboratories in the fiber optic area. In addition, as an Industrial Partner, EXFO becomes a collaborator who will advise on the teaching of relevant subjects in the area of communications, both in the Degree in Telecommunications Systems Engineering, and in the part corresponding to industrial communications.

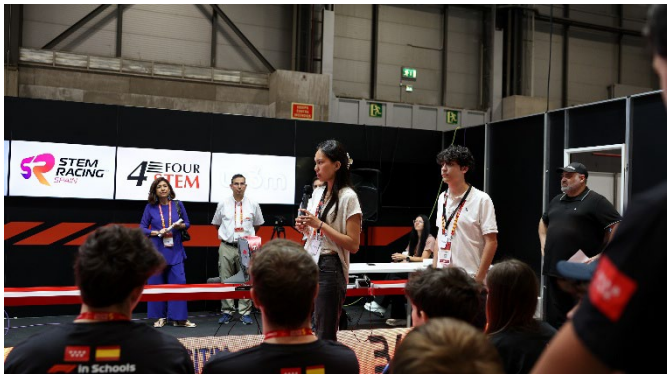
In the latter case, in degrees such as the Bachelor's Degree in Industrial Systems Engineering and the Master's Degree in Industrial Engineering. Counting as a company like EXFO, strengthens our bond with companies in sectors that are widely valued and with great employability.
In the image Silvia Abad, Coordinator of the Degree in Telecommunication Systems Engineering, Verónica Egido, Deputy Director of the Industry and Health Engineering programs, Enrique Prados, EMEA Sales Manager and Jose Marí a Pindado, Business Development Manager for 5G & RF at EXFO. »

FORMULA UEM PARTICIPATION IN THE QUALIFIERS FOR F1 IN SCHOOLS

On 18 and 19 June, the IFEMA Madrid venue hosted the SportSummit Madrid, an initiative that brought together key players in sport, technology, education and innovation. In this context, the national finals of F1 in Schools were held, a STEM educational competition that challenges students to design, build and compete with Formula 1 minicars powered by CO2. This event was promoted by MADCUP, an organizing entity of grassroots sports tournaments with which the School has signed a collaboration agreement.

The different teams presented their prototypes, many of them made in the UEM Fablab, with the collaboration of our technician Erik Lesta whom we thank for all his effort and dedication. As well as professors Javier Collado and Carlos Talayero, as judge and as contact person with MADCUP respectively.

Our School is proud to have been able to be part of this project in which the involvement of students and teachers from institutes and vocational training centers is exemplary. Working to be the chosen ones by these students in their university education is undoubtedly an incentive to continue improving. »



XAVEER DE GEYTER CLOSED THE ARTIFICIALES LECTURE SERIES OF THE MASTER'S DEGREE IN ARCHITECTURE

Architect Xaveer de Geyter closed the Artificiales Lecture Series of the Master's in Architecture at Universidad Europea with a talk at the Official College of Architects of Madrid.
In his presentation, he shared his professional journey with students and addressed new trends in urban planning and landscape design.
During the lecture, de Geyter reviewed emblematic projects from his studio XDGA, such as the metro station and Place Rogier in Brussels, the extension of the Museum of Fine Arts in Tournai, and the Genk campus. He explained his approach based on adaptability to context, without a fixed style, and how his works aim to recover and transform the environment.
Examples such as the stadiums of Vlora and Orkium, the Kitchen Tower, and the Built/Unbuilt concept illustrate his innovative vision of architectural space.
The transformative impact of De Geyter's work on the cities where he has worked is undeniable.
The event concluded with a critical session on the master's ongoing projects, also featuring Eduardo Arroyo, Juan José Mateos, and Carlos Arroyo. »

CIVIL ENGINEERING WEEK AT UNIVERSIDAD EUROPEA: 10TH BRIDGE DESIGN COMPETITION

During the past Civil Engineering Week at Universidad Europea, we once again experienced, as we do every year, a memorable event marked by creativity, teamwork, and hands-on learning; the 10th Edition of the Bridge Design Competition, in which interdisciplinary teams of Civil Engineering and Architecture students took part.
In just six hours, the teams designed and built bridges using limited materials, a minimum span, and a maximum weight, showcasing their ability to solve real-world challenges under pressure.
In addition to the competition, the week included activities such as the construction of plaster funicular models, concrete element joints, and models of iconic structures, such as the Enrique de la Mata Gorostizaga Bridge —with a heartfelt tribute to the great Julio Martínez Calzón— or the bridge over the Barrios de Luna reservoir, designed by engineer Carlos Fernández Casado.
These initiatives were a clear example of the experiential learning we promote at our School, and served as a prelude to the Civil Engineering Week organized by Caminos Madrid, which took place in Callao at the end of May. »

link » https://www.linkedin.com/posts/adolfo-jordan_sicma25-caminosmadrid-activity-7335969136130342913-

" A CLEAR EXAMPLE OF EXPERIENTIAL LEARNING, A PRELUDE TO SICMA2025, WHICH TOOK PLACE IN CALLAO AT THE END OF MAY "

GREAT PARTICIPATION AND RESULTS OF THE SCHOOL IN THE AWARDS TalenTEA2025

The third-year students of the Bachelor's Degree in Computer Engineering, participated in TalenTEA2025, a contest that rewards projects and technological solutions for people with autism, and they all came up with very promising ideas. Each group designed solutions with empathy, creativity, and a focus on the user.
The result: 10 projects from the European University became finalists, and in addition, **Transport Helper**, an app to facilitate the use of public transport for people with ASD (autism spectrum disorder), won the first prize.

Thanks to the Madrid Autism Federation, for making this experience that unites technology, entrepreneurship and inclusion possible. Thanks also to Beatriz Manzanero Amador from the Educational Guidance, Diversity and Inclusion Unit of the European University, for helping us to better understand ASD users.
But above all, congratulations to Javier Chouza Picallo, Daniel Cuesta Sanz from Madrid and Aldryn Rodríguez Guzmán for this well-deserved first prize and to Professor Ana Corrales for the initiative. »

PRESENTATION OF COMPUTER PROJECTS IN HPE CDS

Once again, at the **CDS headquarters,** the presentation session of the projects in which the students of the third degree in Computer Engineering of Universidad Europea have been working took place.
A very important part of the Project Based Learning methodology is technical learning and identifying the applicability of everything they learn. However, it is also essential that they are aware of how close they are with their projects to what companies do and how important it is to communicate their results well.
For this, the collaboration of our strategic partner, **CDS,** a Hewlett Packard Enterprise company, is essential. Throughout the process, we have had the help of Carlos Caño Alegre and Jairo Luzón who have participated in the elaboration of the requirements, the resolution of doubts, the monitoring of progress and in this final session giving all the groups Feedback and collaborating with the teachers in the evaluation.
In addition, while some presented, the rest were able to participate in a pleasant chat with Marta Martín García about how to face their first work experiences and visit HPE's facilities.
Without a doubt, quite an experience for the **57 students** who participated this year. »

"57 STUDENTS PRESENTED THEIR PROJECTS OF THE SUBJECT COMPUTING PROJECT II AT THE HPE CDS HEADQUARTERS"

link » https://www.linkedin.com/posts/pedrojlarabercial_ingenieraedainformaertica-activity-7336074722717097984-xsIY?utm_source=share&utm_medium=member_desktop&rcm=ACoAAAJFvIYBn0Xhv7CEn9IKTu29kKmkcI6Xbjo

DEGREE TRIP OF THE BACHELOR'S DEGREE IN COMPUTER ENGINEERING TO MALAGA

The students of the degree in Computer Engineering accompanied us to Malaga to learn about what is done at Vodafone, Oracle or the Bioinnovation Center of the University of Malaga, where the Picasso supercomputer is located: 40,000 cores, ~180TB of RAM, 32 A100 GPUs (> 1TB VRAM), 6PB of storage, and *infiniband* network up to 400Gbit. We have seen a lot of technology, but they have also been able to come into contact with other young talents who are already exercising their profession from different perspectives and who have given them an absolutely open vision of what their immediate future may be. »

INNOVATION, YOUNG TALENT, RESEARCH AND SUPERCOMPUTING IN MALAGA.

WHAT DO YOU KNOW ABOUT

This was the title of the talk that for almost two hours had our students of Computer Science, Cybersecurity and Data Science totally hooked and focused on what Commander **Enrique Pérez de Tena** came to tell them on May 6. The speaker explained what cyberspace is and how they understand it within the Mando Conjunto del Ciberespacio (MCCE). In addition, he explained the organization of the MCCE and its relations with other organizations in a talk full of real and absolutely current examples. On behalf of the STEAM School of Universidad Europea I would like to thank you for the offer and the availability to be able to come and teach our students a world that is increasingly relevant for all of us and to make them aware of the importance of their knowledge. »

VISIT TO TELÉFONICA 42

The aim of 42 Madrid Fundación Telefónica is to open the doors of the labour market to all types of people of all types of profiles. An ambitious goal, but at the same time, shared by many of us who are dedicated to education.

To get to know it up close, we went with our Computer Science, Cybersecurity and Physics students to the facilities of 42 Madrid where they have been able to see what the training they offer consists of, test it through a small introductory workshop to cybersecurity and even rehearse the entrance exam within one of their clusters. »

DR. LAURA GARCÍA, PROFESSOR IN AI AT THE STEAM SCHOOL, IN FORBES AND TOOLBAR MAGAZINES

The director of the Master's Degree in Lifelong Learning in AI at the Universidad Europea, Laura García Cuenca, spoke last June with Forbes Ecuador about the programs implemented in the Institution to promote the inclusion of women in STEAM areas.

On the other hand, in the Visionaries section of ToolBar magazine, in its May 2025 edition, there is an interview with Dr. Laura García Cuenca as an outstanding professional in artificial intelligence, who combines a solid technological career with a deep educational and human commitment. »

CHARLIE J. PAGES, A TEACHER AT THE STEAM SCHOOL, PUBLISHES THE BOOK "70 TOOLS OF AI"

In just three years, hundreds of new AI tools have emerged, creating an ocean of options that is difficult to navigate. Faced with this complex panorama, Charlie J. Pages has published the book "70 tools of AI".

This book offers a clear, accessible, and practical guide to understanding, classifying, and knowing 70 of the most useful and amazing AI tools currently on the market that can help you optimize your work and creativity.

Charlie is sure that the best way to learn how to use these tools is experimentation and that most of them do not require users to have previous technical knowledge.

Another fundamental aspect highlighted by Charlie Pages is the ethical and responsible use of AI. Some tools can be biased or misinformed. For its proper use, it is necessary to verify information, avoid sharing sensitive or private data, know that AI still has limits and makes mistakes, and that it should never replace critical thinking or human creativity. »

"ARTIFICIAL INTELLIGENCE IS TRANSFORMING THE WAY WE WORK, LIVE AND MAKE DECISIONS"

STEAM DAYS 2025: INNOVATION, TECHNOLOGY AND SUSTAINABILITY AT UNIVERSIDAD EUROPEA

From May 20th to 22nd, the School of Architecture, Engineering, Science, and Computing held the STEAM Days 2025 at the Villaviciosa de Odón Campus. Over the course of three days, top-level experts discussed cybersecurity, artificial intelligence, big data, logistics, and sustainability.
The opening session featured the First Cybersecurity Day, with the participation of Miguel Ángel Martín Peña (Hack by Security Group) and a roundtable discussion including Carmen Torrano Giménez (Madrid Digital), Mercedes Muñoz (Advens), José Manuel Ávalos Morer (Vodafone), and Álvaro Núñez-Romero Casado (Telefónica).

The second day focused on the impact of AI and Big Data on STEAM professions, featuring Beatriz Herranz (Telefónica) and a panel moderated by Maria Cruz Gaya Lopez, with speakers such as Diana Fernández (Oracle), Jordi Armengol (Microsoft), Eduardo Fernández (352 Capital Partners), and Iván Marbán (Contextual).
The closing session was dedicated to sustainable logistics, with interviews and discussions led by Julia Ayuso and Adriana Molero. Participants included Gabriel Cuervo (Sacyr), Diego Carrero (DHL), Daniel Latorre (CITYlogin Iberia), and Cristina Álvarez (Las Rozas Innova), who reflected on the future of technology and sustainability in business operations. »

DR. REN GUOGANG, VISITING PROFESSOR AT THE SCHOOL OF ARCHITECTURE, ENGINEERING, SCIENCE AND COMPUTING – STEAM

From May 27th to June 3rd, the School of Architecture, Engineering and Design at Universidad Europea had the honor of hosting Dr. Ren Guogang, visiting professor from the University of Hertfordshire (United Kingdom).

Dr. Ren is a Fellow of the UK Institute of Materials, Minerals and Mining and an international leader in the development of nanoparticles for biomedical applications. His research focuses on surface chemistry for health and energy applications, standing out for the development of functional surfaces capable of eliminating up to 99.997% of pathogens.

During his stay, he shared his advances in antiviral surfaces for hospitals, functional face masks against COVID-19, and sustainable aviation fuels. He also presented innovations in polymeric and geopolymeric materials for high-resistance fire barriers.

His visit represented a valuable opportunity for knowledge exchange and international collaboration for our community.
universitaria. »

" DR. REN GUOGANG SHARES INNOVATIONS IN HEALTH, SUSTAINABILITY, AND ADVANCED MATERIALS DURING HIS VISIT TO THE SCHOOL"

NEW UNIVERSITY COURSE IN UAVs

The School of Architecture, Engineering and Design launches the new University Course in Unmanned Aerial Vehicles (UAVs), a specialized program aimed at students in the Aerospace Engineering Degree at Universidad Europea de Madrid. This in-person course, taught in English at the Villaviciosa campus, offers 18 ECTS credits distributed over 450 hours across four academic years. Its goal is to train students in the design, construction, and validation of solar-powered UAVs, covering topics from aerodynamics and control systems to wind tunnel testing and real flight operations. The course will be implemented starting in the 2025–2026 academic year. A unique opportunity to take off in the aerospace sector! »

THE METHODOLOGY IS PROJECT- AND PROBLEM-BASED, WITH MODULES THAT INCLUDE SPECIFICATION DESIGN, ELECTRICAL SYSTEMS, CONTROL, AERODYNAMICS, AND CONSTRUCTION ENABLING PARTICIPANTS TO DEVELOP A COMPLETE UNDERSTANDING OF UAV DEVELOPMENT.

UAV NAVIGATION-GRUPO OESÍA DRIVES THE UEM SOLAR PROJECT

At the end of May, we welcomed Miguel Ángel de Frutos Carro from UAV Navigation - Grupo OESIA, who delivered an inspiring talk to our Aerospace Engineering students. Following the session, we outlined several lines of collaboration for the UEM_Solar project: technical support and guidance for the UAV flight, lab design, participation in student presentations, proposals for final degree/master's projects, and internship opportunities. We extend our thanks to María Pardo Álvarez, the teaching team, and Alberto Sols for their dedication. A key educational experience for our students and a boost to the future of solar-powered flight! »

THE FUTURE OF PROJECT MANAGEMENT CAME TO LIFE AT THE CREATIVE CAMPUS

On June 10th, we held a fully in-person event at the Creative Campus in María de Molina, where we explored the present and future of Project Management—one of the most globally promising professions.

We were honored to host a top-tier panel of experts who inspired us with their vision and experience: Alfonso Bucero, Antonio Nieto-Rodríguez, Joaquín Azcárraga Urteaga, Elisabet Duocastella i Pla, M. Socorro García Cascales, and José Daniel Esterkin.

One of the key messages was: "Projects are the future of your company."

Special thanks to Claudia Patricia Salas for leading this initiative, and to the entire team who made it possible. »

GRADUATION CEREMONIES FOR THE 24/25 ACADEMIC YEAR

On June 21 and 28, the Graduation Ceremonies of the Higher Vocational Training Courses, Undergraduate and Postgraduate programs of the STEAM School took place, in Face-to-Face and Online modalities.

The ceremonies were very emotional for the students and their families. On this occasion, 1,162 students attended the graduation along with their families. Due to the large number of students, four events were scheduled, grouping students by modality of teaching their studies and their area of knowledge. »

The Commencement speaker of the promotion were Mrs. Natalia Escobedo, Director of Public Sector of Microsoft in Spain and the professor of the School Mr. Óscar Cabanillas, During the speeches, the Director of the School of Architecture, Engineering, Science and Computing - STEAM, congratulated the students since thanks to the work performance of students of previous promotions enhanced by the robustness of our academic model oriented to labor insertion the reputation of our students precede them.
After the speeches of the Commencement speaker of the promotion and the representatives of the students, academic stole were awarded. After this event, the Commencement speaker of the promotion, together with the representatives of the students, read the Commitment of students to Society.
After the singing of the 'Gaudeamus Igitur', the session was adjourned and we took the corresponding photo of the promotion. »

Message to students: "YOUR REPUTATION PRECEDES YOU"

XIII STEAM SCHOOL AWARDS

On the last Wednesday of September, as usual, the School will hold the event of the awards for the best projects. A day in which both the extraordinary level that students achieve with project-based learning and the close relationship of the School with the professional sector are highlighted. The teams selected in the different categories present their projects, showing both the level of technology maturity of their prototypes and their presentation and communication capabilities to the many companies and organizations that attend. It is the companies that vote and choose the winners in the different categories. A big day at the School. »

PROJECT-BASED LEARNING AND THE CLOSE RELATIONSHIP WITH THE PROFESSIONAL SECTOR EXPLAINS THE VERY HIGH LEVEL AND COMPETENCIES OF THE SCHOOL'S STUDENTS.

SOCIAL, POLITICAL, AND ECONOMIC ASPECTS OF SEMICONDUCTOR MANUFACTURING FOR DESIGNING MICROCHIPS AND THEIR COMPLEX SUPPLY CHAIN.

OPENING CONFERENCE OF THE ACADEMIC YEAR

As usual, on the last Wednesday of September we have a big day at the School of Architecture, Engineering, Science and Computing – STEAM. This year, on September 24, as the final event of the day, in the early afternoon, we will celebrate the Inaugural Conference of the Academic Year 25/26. The speaker will be Jordi Tarrida, Senior Vice President of Global Sales & Partner Success at Barbara. The conference will focus on semiconductors and microchip manufacturing, and their complex supply chain, with not only technical but also political and economic considerations. »

NEXT FORMULA STUDENT COMPETITION IN THE NETHERLANDS

During the dates of June 12 to June 17 of this year 2025, Formula UEM students will have the opportunity to attend what will be their seventeenth year of competitions in FormulaStudent.

With just a few days to go before the prototype is ready, nerves are running high and unforeseen events arise as a great challenge for undergraduate students who are not used to the pressure of a world like competition.

We hope that you can enjoy a few days of learning and gain an experience that will undoubtedly be a great preparation for your professional future. »

FSN Netherlands

SPACE DIVISION CLUB SHINES IN SURTAM WITH OUTSTANDING FACE-TO-FACE PARTICIPATION

The Space Division Club has been one of the protagonists in the recent edition of SURTAM, the national meeting that brings together the main student rocketry associations. On this occasion, the team has participated in person, representing the Universidad Europea and sharing its progress with other university groups in the Spanish aerospace ecosystem.
During the event, students presented the projects they have been working on, receiving valuable feedback from other teams. This interaction has allowed them to identify new opportunities for improvement and to learn how other universities have similar challenges have been overcome. "Participating in SURTAM has been an excellent opportunity to acquire and share knowledge," said Marco, a representative of the club.

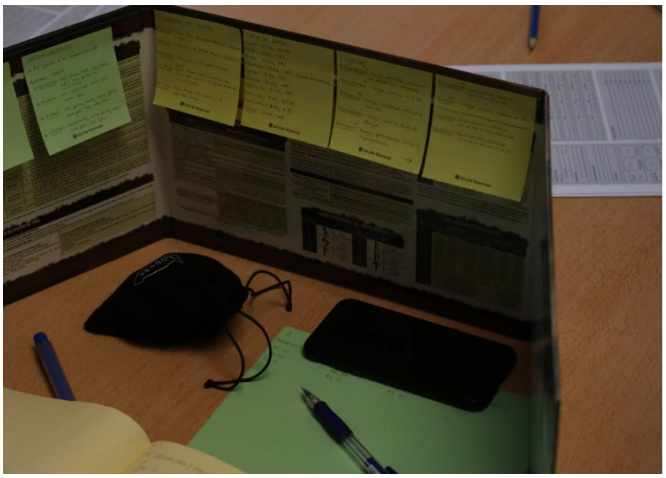
The Space Division Club is made up of a dozen students from degrees such as Aerospace Engineering, Physics and Industrial Systems Engineering, and is part of the network of university clubs promoted by the Office of the Vice-Rector for Students and University Life. Its activity reflects the academic model of the European University, based on experiential learning, interdisciplinary collaboration and connection with professional reality. »

THE ROLE CLUB CONSOLIDATES ITS ACTIVITY AND ENCOURAGES COLLABORATIVE CREATIVITY

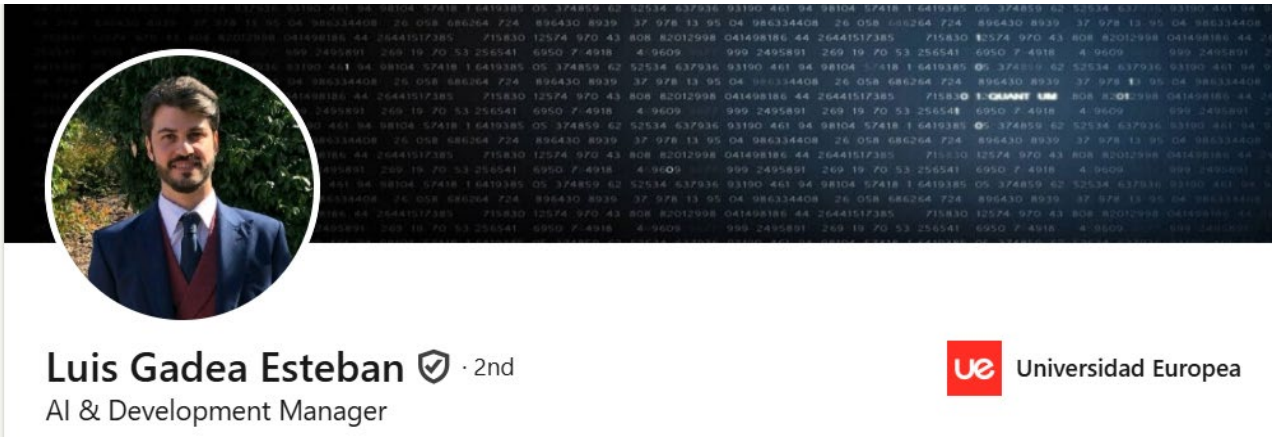
The School's Role Club has experienced remarkable growth during the last academic year, consolidating itself as an active space for meeting, creativity and the development of transversal skills. With more than 40 members involved, the club has expanded its campaign offerings, including renowned systems such as Dungeons & Dragons and Vampire: The Masquerade, as well as original proposals developed by the students themselves.

Among its most outstanding initiatives is the reactivation of Living World, a shared narrative universe in which multiple sessions have been held. In addition, the club participated in the Club Fair and is working on the organization of joint activities with other groups, such as a future collaborative Escape Room.

This type of initiative reinforces the educational model of the School, promoting experiential learning, teamwork and strategic thinking, while strengthening the sense of community and belonging among students. »



" MORE THAN 40 STUDENTS ACTIVELY PARTICIPATE IN A CLUB THAT PROMOTES STORYTELLING, COLLABORATION, AND STRATEGIC THINKING "



LUIS GADEA, FORMER COMPUTER SCIENCE STUDENT, VISITS THE SCHOOL

In May, the School received a visit from Luis Gadea, a former student of the Bachelor's Degree in Computer Engineering from the Universidad Europea (class of 2016), with the aim of holding a collaboration meeting between his company and the University.
Luis has a solid background in the field of development and technology consulting. He is currently AI & Development Manager at myCloudDoor, where he leads artificial intelligence-related projects solutions, cloud solutions and data analytics. His career includes experiences in companies such as TrustCloud, Tokyo, PwC, Deloitte Digital and Airbus, among others, always linked to full-stack development, data management and digital transformation environments.
During his time as a student, he participated in various technological projects, including the development of an application for the monitoring of chronic diseases using devices with integrated sensors. Their profile reflects the value of practical training connected to technological innovation. »

JORGE ESTEBAN, SYSTEMS ENGINEER AT RUAG

When I started Aeronautical Technical Engineering in Madrid, I never imagined that my professional career would lead me to live in four different countries. It all started before I graduated, with an internship at Sener working on aerostructures for Airbus' A350 and A400M aircraft. Those six months were my first window into the real aeronautical world.
The next opportunity took me to Germany, where I continued to work on the same aircraft, but this time focusing on the wing. It was only three months, but enough to confirm that he wanted to continue growing outside of Spain. That's how I arrived in Belgium, where I worked for Sonaca for four years.
The birth of my first child changed my priorities. We return to Spain and take a sabbatical to rethink the future. He wanted to continue abroad, but this time with his family at the center. Opportunities arose in France and Sweden, but we eventually moved to Switzerland, where my other two children were born and where I currently work for RUAG, the main contractor for the Swiss army. A year ago I completed a master's degree in Systems Engineering with the Universidad Europea, which is opening up new possibilities for me within the company as a systems engineer. I now collaborate with different departments on cross-cutting projects, such as the implementation of a PLM, where my impact transcends the traditional boundaries of my technical area. »

TRAINING IN SYSTEMS ENGINEERING HAS OPENED UP NEW CAREER POSSIBILITIES FOR ME.