EGYPT UNIVERSITY OF INFORMATICS

جامعة مصر للمعلوماتية

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EGYPT UNIVERSITY
OF INFORMATICS

EUI *Newsletter*

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Welcome Note
by the University President

Prof. Reem Bahgat
EUI's President

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Welcome to an exciting new semester at Egypt University of Informatics! As we embrace the start of Fall 2024, I am delighted to welcome our returning students and the latest members of our EUI family. We look forward to seeing you thrive, explore, and maximize every opportunity on campus.

In this spirit of growth, I am proud to share some recent milestones that showcase EUI's commitment to innovation, inclusivity, and excellence. These achievements include the successful launch of cutting-edge research projects addressing real-world challenges, the expansion of partnerships with leading global institutions, and the implementation of programs designed to empower students from diverse backgrounds.

Our commitment to accessibility and equal opportunity remains a top priority. This year, EUI awarded 33 full scholarships to top-performing Thanaweya Amma students, and to further expand opportunities, we've also opened our full scholarships to students holding STEM, American Diploma, IGCSE, and German Abitur certificates. Equally meaningful is our recent initiative to provide 20 scholarships for students from Sudan and crisis-impacted Arab countries, reinforcing our commitment to equal opportunities for all, regardless of background.

In athletics, we celebrated the inspiring achievements of our champions, including Olympian Ahmed Elgendy, who brought pride to EUI and Egypt with his record-breaking victory at the Paris 2024 Olympics. Our student-athletes continue to inspire us, demonstrating excellence both academically and athletically.

We're also excited to announce the launch of EUI's new, enhanced website, designed to create a seamless, user-friendly experience for our community and prospective students. This platform offers an updated look at our programs, events, and student resources, making it easier than ever to stay connected and informed about campus life.

Through continuing education programs like iSkills, DEPI, and Online Web Creation 101, we are also equipping learners with vital digital skills, bridging the gap between education and industry demands and ensuring our students are well-prepared for the future.

My heartfelt thanks to everyone contributing to these achievements. Let's make this an inspiring and successful year ahead!

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Campus Life

EUI kicks off Fall 2024 with a dynamic Orientation Day

EUI recently hosted an exciting Orientation Day for the Fall 2024 cohort, marking the start of their academic journey. New students, or "EUIans," explored the campus and learned about the services available to them. Faculty members conducted technical sessions to prepare students for the academic challenges ahead, while the campus buzzed with fun activities, creating a lively atmosphere.

EUI Fosters Social Responsibility with its Annual Blood Donation Drive

EUI recently organized a two-day blood donation drive in collaboration with the Regional Blood Transfusion Center and the National Alliance for Community Development. Faculty, staff, and students actively participated, reflecting EUI's commitment to community service and social responsibility. The annual initiative highlights the life-saving impact of blood donation and fosters a culture of giving within the university community.

New Food Outlets

Exciting news! Nosh Cafeteria, Beanos and Cinnamon Factory are now open on campus, ready to serve our community with delicious coffee, fresh pastries, and sweet treats. Drop by between classes and enjoy!

Eui Champions

Our very own Paris Olympics 2024 Gold Medalist and beloved EUIan, Ahmed Elgendy, continues to shine brightly beyond the arena. His remarkable achievements both on and off the field have earned him a well-deserved top rank on the Forbes Middle East 30 Under 30 Class of 2024 in the Sports & Entertainment category!

Ahmed Elgendy named Best Senior Male Player of the year

Ahmed Elgendy, EUI's Olympic champion, has been awarded the prestigious title of "Best Senior Player of the Year" at the 73rd Union Internationale de Pentathlon Moderne (UIPM) Congress held in Riyadh, Saudi Arabia. This comes on the heels of Elgendy's breathtaking Gold Medal victory at the Paris 2024 Olympic Games, cementing his position as one of the world's top modern pentathletes.

Ahmed Elgendy & International Athletes Ceremony

EUI recently celebrated its athletic champions, led by Olympic gold medalist Ahmed Elgendy, who set a new Olympic record at Paris 2024 with 1555 points. The event, held at EUI's Knowledge City campus, was attended by key figures, including Dr. Amr Talaat, Minister of Communications, and Dr. Ashraf Sobhy, Minister of Youth and Sports. Other honorees included Mohamed Elgendy, Zeina Amer, and Youssef Nagi, all of whom secured gold medals in various international competitions

Zeina Amer Wins Two Golds, Mohamed Elgendy Places 7th in Lithuania

EUI congratulates Zeina Amer and Mohamed Elgendy, students at the Faculty of Business Informatics, on their outstanding performance at the World Universities Championship for Modern Pentathlon in Kaunas, Lithuania (Aug 21–26, 2024).

Zeina secured two gold medals in the team relay events, recording the fastest obstacle course times (31 and 55 seconds) and excelling in the laser-run. Mohamed achieved a personal best of 39 seconds in the obstacle course, finishing 7th in the individual boys' event.

International & National Medals for Yehia Hassan and Maya Shalash in Taekwondo & Fencing

EUI proudly congratulates second-year students Maya Shalash and Yehia Hassan for their outstanding athletic achievements! Maya earned a Bronze Medal at the Fencing Epee Egypt Cup, while Yehia secured a Bronze at the 2024 President's Cup Africa and a Silver at the Malobo Open Taekwondo Championship

EUIan Youssef Nagy Leads Egyptian Juniors National Handball Team to Victory

Youssef Nagy, a student from the Faculty of Computing and Information Sciences at EUI, achieved a remarkable accomplishment as the goalkeeper of the Egyptian Juniors National Handball Team. His outstanding performance played a crucial role in Egypt's victory over Tunisia at the Africa Cup of Nations for Juniors' Handball Championship. Youssef's leadership and dedication on the court were a testament to the balance of academic and athletic excellence that EUI fosters.

Our Euians

Usher Finder Team Shines Bright at AASTMT Finals and Teams Up with Sherkety!

Seif ElTohamy and Mario Hossam, our talented Computing and Information Sciences EUIans, have reached the finals of AASTMT's Rally Start-up Festival with their innovative app, Usher Finder! This platform, connecting event organizers with ushers, stood out among 31 top teams from universities across Egypt. Partnering with Sherkety, they'll gain support in company registration, legal services, tax assistance, and more.

Omar Aburaya shines at RCOY Africa 2024 in Morocco

Omar Aburaya, one of our dedicated Business Informatics EUIans, proudly represented EUI at the Regional Conference of Youth (RCOY) MENA 2024 in Amman, Jordan. Organized by YOUNGO, the event brought together youth from across the MENA region to share ideas on climate action and influence discussions at the upcoming UNFCCC COP. We're proud of Omar's commitment to meaningful causes and can't wait to see what he achieves next!

Academic Trips

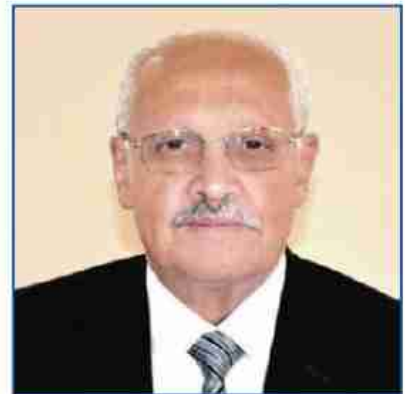## EUIans Explore Whale Valley's Ancient Wonders

EUI students recently delved into natural history on an academic trip to the Whale Valley, a UNESCO World Heritage Site famed for its exceptional fossil records. Guided by Dr. Mohamed Ismail, Assistant Professor of Physics, and Rady Mahmoud, Teaching Assistant from the Faculty of Engineering, students had a unique opportunity to examine ancient whale fossils up close. This hands-on experience not only deepened their scientific knowledge but also cultivated a lasting appreciation for geology and natural history, reflecting EUI's commitment to immersive learning.

EUI's Faculty Spotlight

Appointment of Professor Ahmed Hamad as the New Vice President for Academic Affairs

EUI has appointed Prof. Ahmed Hamad as Vice President for Academic Affairs. In this role, he will oversee the university's academic strategy, focusing on innovation, scientific research, and alignment with Egypt's Vision 2030.Prof. Hamad, with a PhD in Electrical Engineering from Orsay University and over 70 published research papers, brings a wealth of experience. He expressed his excitement about contributing to EUI's mission to prepare future leaders in the tech sector.

Appointment of Professor Mohamed Saleh as the New Dean of Business Informatics

EUI is pleased to announce the appointment of Professor Mohamed Saleh as the new Dean of the Faculty of Business Informatics. Professor Saleh brings extensive experience in both academia and industry, with a proven track record of leadership, innovation, and commitment to advancing business education. His expertise in business technology, analytics, and digital transformation aligns seamlessly with EUI's mission to provide cutting-edge, industry-relevant education. Under his guidance, the Faculty of Business Informatics is set to enhance its programs, partnerships, and research initiatives, preparing students to thrive in the evolving digital economy.

Prof. Reem Bahgat Honored in a New Book Celebrating 25 Years of Egypt's ICT Sector

In celebration of the Ministry of Communications and Information Technology's 25th anniversary, a new book titled "من مصر المعلوماتية إلى مصر الرقمية... 25 سنة اتصالات" dedicates a chapter to the remarkable contributions of Egyptian women in ICT. The chapter, "نساء لمعن في سماء المعلوماتية," features 17 influential women who have excelled in executive roles across leading local and international companies, as well as in government. Among the esteemed women highlighted is Prof. Reem Bahgat, President of EUI, celebrated for her profound impact on academia and Egypt's tech landscape. Her recognition in this chapter underscores her leadership in advancing digital education and nurturing future ICT talent at EUI.

Seminar on " Plasma and Its Applications"

The Faculty of Engineering hosted a seminar on "Plasma Physics and Its Applications," led by Dr. Azza Taleb from the Egyptian Atomic Energy Authority. Organized by Dr. Mohamed Ismail and supervised by Dr. Nader Mansour, the seminar, held at the Knowledge City campus, covered plasma's nature, its role in the universe, and its uses in electronics. Dr. Taleb also demonstrated how plasma can be generated in the air, captivating students with a hands-on experiment. Dr. Ismail praised the seminar for its engaging, practical approach, while Dr. Mansour emphasized the university's commitment to hosting experts to enhance student learning.

Prof. Mohamed Saleh Provides Expert Insights at INP Workshop for Egypt's SDG Simulation Model

Prof. Mohamed Saleh, Dean of the Faculty of Business Informatics, participated as a system dynamics modeling expert at the first stakeholder workshop for Egypt's Integrated Simulation Model for Sustainable Development Goals (iSDG), held from September 9 to 11, 2024, at the Institute of National Planning (INP). This workshop, organized by INP in collaboration with the Economic Governance Project (funded by USAID) and the Millennium Institute, introduced the key features of the simulation model designed to help Egypt achieve its SDGs.

This workshop aimed to explain the model's system dynamics approach and offer insights on refining its macroeconomic, social, and environmental components. The contributions of all participants helped enhance the model's accuracy and effectiveness in supporting Egypt's Vision 2030 and its future use in policy-making and national planning.

Recognition

Prof. Youssri Hassan Among Stanford's Top 2% Scientists for the Third Time

Dr. Youssri Hassan Youssri, an associate professor at EUI's Faculty of Engineering, has been ranked among the top 2% of the world's most cited scientists for the third consecutive year, according to Stanford University's 2024 list. This achievement underscores EUI's commitment to research excellence. Prof. Reem Bahgat, EUI's president, celebrated the milestone as a reflection of the university's global research impact, while Prof. Amr El-Masry, Dean of the Faculty of Engineering, highlighted the university's focus on advancing research and fostering international collaboration.

Research Highlights

Prof. Youssri Hassan Among Stanford's Top 2% Scientists for the Third Time

EUI is thrilled to announce the recent publication of Dr. Hoda Mokhtar, Dean of the Faculty of Computing and Information Sciences latest research paper, titled "Towards Online Training for RL-based Query Optimizer," in the prestigious International Journal of Data Science and Analytics (Springer Nature)!

This groundbreaking work delves into reinforcement learning (RL) to enhance real-time query optimization, offering innovative solutions for more efficient data processing.

Prof. Hala H. Zayed's Groundbreaking Research on Deepfake Detection Now Indexed in Scopus!

We're excited to announce that Prof. Hala H. Zayed, a distinguished professor at the Faculty of Engineering, has received notable recognition for her latest research, now indexed in Scopus! Her paper, titled *"Deepfake Detection: Enhancing Performance with Spatiotemporal Texture and Deep Learning Feature Fusion,"* published in the Egyptian Informatics Journal (Volume 27, September 2024 - Elsevier B.V.), focuses on improving deepfake detection by combining spatial and temporal analysis with advanced deep learning techniques, enhancing accuracy in identifying manipulated media.

Associate Professor Amal Elgammal's research on Advanced Digital Twins for Smart Manufacturing Networks.

Associate Professor Amal Elgammal, Head of the Software Engineering Department at EUI's Faculty of Computing and Information Sciences, and Adjunct Senior Researcher at the Scientific Academy for Service Technology (ServTech) in Germany, had her groundbreaking article, "Advanced Digital Twins for Smart Manufacturing Networks: A Manufacturing -as-a-Service Paradigm" published in the LinkedIn Group " Resilient Smart Manufacturing Company- Narrate"

Dr. Youssri Hassan Publishes Three Research Papers in November

Dr. Youssri Hassan Youssri, an Associate Professor at EUI's Faculty of Engineering, has achieved significant research milestones this November, publishing three notable papers: "A Novel Approach for Solving Fractional Partial Differential Equations via Mittag-Leffler Kernels" in Contemporary Mathematics, "Advanced Computational Techniques for Nonlinear Engineering Problems" in Nonlinear Engineering, and "Numerical Analysis and Applications of Special Functions in Mathematical Models" in Mathematical and Computational Applications.

Agreement Signed with SAP Egypt to Enhance Digital Skills

EUI has joined SAP's University Alliance Program through a cooperation agreement witnessed by the Ministers of Communications and Information Technology and the Public Business Sector. The agreement, signed by Eng. Mohamed Sami, Director of SAP Egypt, and Prof. Ahmed Hamad, Vice President of EUI, aims to integrate SAP solutions into EUI's curricula. This initiative equips students with practical training and essential digital skills, preparing them for advanced roles in the digital workforce.

The Egyptian Space Agency Explores Enhanced Collaboration with EUI in Space Sciences

Prof. Sherif Sedky, Executive Head of the Egyptian Space Agency, welcomed Prof. Reem Bahgat, President of EUI, and her delegation to explore potential collaboration in space science and technology. Prof. Sedky shared insights into the agency's missions, capabilities, and international partnerships. The visit included a tour of the agency's advanced facilities, showcasing cutting-edge technologies and ongoing projects. This meeting opens the door for exciting future collaborations between EUI and the Egyptian Space Agency.

EUI and Integra IT Networks: A New Era of Partnership

We are thrilled to announce a groundbreaking partnership between EUI and Integra IT Networks, a leading provider in IT solutions and services. This collaboration marks a significant milestone in our commitment to advancing academic excellence and innovation. Starting this academic year, Integra IT Networks will generously cover expenses for a range of academic activities at EUI. Their contribution will help enhance our academic programs and academic activities.

International Affairs

EUI welcomes IBM delegation on campus

EUI hosted a high-level delegation from IBM, led by Ms. Petra Florizoone, Director of IBM Quantum Enterprise Global Sales, Ms. Dina Galal, Government Affairs Lead for IBM Egypt and North Africa, and Mr. Paul Parazzoli, Strategic Partnerships Lead at IBM MEA. Prof. Reem Bahgat, EUI President, and the university's deans welcomed the visitors. Discussions focused on advanced technology training, innovation-driven projects, and aligning educational programs with industry needs. This collaboration aims to equip students with cutting-edge skills for emerging fields like quantum computing and AI.

Masterclass in Gen AI Workshop in collaboration with INFOBALT & Vytautus Magnus University

EUI recently concluded the "Masterclass in Generative AI" workshop, in collaboration with the Lithuanian Digital Technology Association "Infobalt" and Vytautas Magnus University. Tailored for Engineering, Computing, and Information Sciences students, the workshop provided hands-on training in AI and digital technologies, helping bridge the digital skills gap and opening new career opportunities in tech, digital marketing, and entrepreneurship.

EUI Hosts CESI Delegation to Foster Mutual Academic Collaboration

A delegation from France's CESI Graduate School of Engineering, led by Dr. Rima Hleiss, Research and Teaching Professor, and Ms. Lise Leroy, International Admission Officer, recently visited EUI. The visit was organized upon the official invitation of Dr. Amal El Gammal, Head of EUI's International Relations and Software Engineering Department. This visit, part of the "Choose France tour" by Campus France, focused on fostering academic partnerships and exploring collaboration opportunities between EUI and CESI.

Continuing Education

EUI and Lancaster University concludes the iSkills program on campus

EUI recently completed the iSkills Career Catalyst program, held from August 18 to October 9, in partnership with Lancaster University and funded by the British Council. The program, focused on data analysis, personal skills, and sustainability, trained 45 students to enhance their careers in IT and data sectors. Many participants secured jobs after completing the program. EUI leaders emphasized the importance of such initiatives in preparing the next generation of tech professionals.

DEPI Graduation Projects Shine at EUI

We're excited to share the success of the Digital Egypt Pioneers Initiative (DEPI), held at EUI with full support from the Ministry of Communications and Information Technology (MCIT) The program concluded in an inspiring showcase of graduation projects, with industry leaders in attendance, including Dr. Hesham Farouk, Technology Development Advisor at MCIT; Dr. Rasha El Banna, Marketing Director and Head of Creative Digital Marketing and Digital Arts at the Digital Egypt Generations Initiative; and track leader Dr. Ahmed Adel.

EUI presents three years of excellence at Cairo ICT

In the esteemed presence of H.E. Dr. Mostafa Madbouly, Prime Minister, and H.E. Dr. Amr Talaat, Minister of Communications and Information Technology, at Cairo ICT 2024, Prof. Reem Bahgat, President of EUI, showcased the university's remarkable progress over the past three years. She emphasized EUI's alignment with Egypt's 2030 national strategy for sustainable education and its pivotal role in preparing students for a knowledge-based economy through globally competitive programs, strategic industry partnerships, and dual degree opportunities with prestigious top-ranked international universities.

EUI Joins as an Academic Partner at a Groundbreaking DevOps Conference

EUI proudly participated as an academic partner in the 7th Annual DevOpsDays Cairo Conference on September 25, held under the patronage of Egypt's Ministry of Communications and Information Technology. Organized with ITIDA's SECC and industry leaders, the event explored the theme "DevOps in the Era of Technology Evolution," featuring discussions on the latest trends and innovations in DevOps. It offered a platform for professionals to explore the integration of software development with IT operations and discover cutting-edge practices shaping the future of the tech industry.

Prof. Reem Bahgat discuss AI and Museum Studies in a UNESCO Panel

Prof. Reem Bahgat, EUI's president, was invited to participate in a panel discussion titled "Anticipating Museum Studies and Policies in the Era of Artificial Intelligence" The one-day event took place at the Greco-Roman Museum in Alexandria and was organized by UNESCO's Regional Office for Egypt and Sudan in collaboration with the Ministry of Tourism and Antiquities (MoTA) and ICOM. Prof. Bahgat examined the intersection of museums, education, research, and Sustainable Development Goals, providing valuable insights into the future of museums and their role in an era dominated by Artificial Intelligence.

Dr. Amani Eissa Highlights EUI's Role in Shaping Egypt's AI Ecosystem at the Czech-Egyptian Forum

Dr. Amani Eissa, Co-founder and Head of Business Development at EUI, recently spoke at the Czech-Egyptian Forum on Artificial Intelligence. Her presentation, "EUI – Towards Fostering AI Ecosystem in Egypt," highlighted EUI's role in training future AI professionals, supporting start-ups, and advancing AI research through industry and government partnerships. She also discussed EUI's contributions to Egypt's AI strategy and its efforts to engage the community through workshops and hackathons, reinforcing Egypt's position as a leader in AI.

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