

## EUI 2023 Highlights

### 1. Academic & Athletic Achievements

#### Introduction of New Programs

EUI unveiled new programs for the academic year 2023-2024. Within the Faculty of Engineering, the university introduced the Mechatronics Engineering program. Simultaneously, the Faculty of Business Informatics launched three innovative programs: Business Analytics, Business Technology Management, and Digital Marketing and E-commerce.

#### Seven students earn straight A's in UMN graduate level course

During Fall 2023, Seven EUI-CIS students attained an "A" in a graduate-level database course, securing acceptance into UMN's Computer Science Program via the EUI-UMN Dual Degree agreement. This achievement reinforces the high academic standards upheld by EUI-CIS students.



#### Stellar Performance in Global Blended Courses

EUI Engineering students stood out by achieving the top scores in Purdue West Lafayette University's summer blended course. Out of 80 students worldwide, 30 EUI students excelled in the "Signals and Systems" course, securing an outstanding average score of 93%, surpassing the overall course average of 82%, with 23 of the 30 students attaining "A".



## Athletic Achievements

- Ahmed Elgendy, EUI's Olympian, has qualified for the Paris 2024 Olympics after winning the gold medal in the 2023 African / Oceania Pentathlon championships at the Cairo International Stadium.



- Jana Medhat El-Bakry, a first-year student at the Faculty of Computing and Information Sciences, earned a gold medal at the Arab Fencing Championship 2023 in Bahrain, along with a bronze medal in the individual competitions during the same tournament.



- Shahd Ahmed Saeed, a student at the Faculty of Computing and Information Sciences, clinched the gold medal in the women's doubles category at the National Speedball Championship.



## 2. Research Excellence

### JAC-ECC 2023

In December, EUI collaborated with EJUST, to organize the JAC-ECC 2023. The closing day was also hosted at EUI premises in the Knowledge City within the New Administrative Capital. The event, under the auspices of H.E. Prof. Ayman Ashour H.E. Dr. Amr Talaat, Ministers of Higher Education and Scientific Research and Communications and Information Technology, respectively, saw participation from American, Japanese, German, and Egyptian universities, and various research institutes.



### EUI student publishes his first research paper

Engineering student Soliman El-Hassanein and EUI's Mathematics Assistant Professor, Dr. Yousri Hassan Yousri collaborated on a notable scientific paper titled "Review on Finite Difference Methods for Solving First Order IVPs" published in Natural Sciences Publishing, within the dynamic academic field.



### Dr. Yousri Hassan's Recognition by Stanford

For the second consecutive year, Associate Professor of Mathematics at EUI Faculty of Engineering Yousri Hassan Yousri secured a place in Stanford's Ranking of Top 2% Top-cited Researchers for 2023.



### 3. Entrepreneurship and Innovation

#### **XR for Good: Metaverse Startup Competition**

In August, EUI unveiled the "XR for Good: Metaverse Startup Competition 2023" during the First Metaverse and Artificial Intelligence Week. The competition's goal was to support startups by connecting them with experts, offering funding prospects, and cultivating promising ideas for local community development. It was part of an initiative led by EUI in partnership with MCIT, Meta, AUC, Meta Academy, and Simplon.



### 4. Awards:

#### **Prof. Ahmed Hassan's Recognition**

Prof. Ahmed Hassan Youssef, EUI's Vice President for academic affairs and IEEE Egypt Section Chairman, received a recognition certificate on behalf of IEEE Egypt Section volunteers in an award ceremony in Romania, for the extraordinary efforts in hosting the 119th IEEE Region 8 committee meeting last October.



#### **Youtube Award for Dr. Mohamed Ismail**

YouTube Social media platform awarded Dr. Mohamed Ismail, Assistant Professor of Physics and Engineering Mathematics at the Faculty of Engineering at Egypt University of Informatics (EUI), its silver creator award (100,000 subscribers) for exceeding the number of subscribers on his academic channel (Physics for Engineers) to 160,000 subscribers.



## 5. Community Service

### IEEE R8 NASYP

EUI hosted the IEEE R8 North Africa Student and Young Professional Congress (NASYP 2023) in August. The event, organized in collaboration with IEEE Egypt Section, IEEE Region 8, IEEE Young Professionals Egypt, and IEEE R8 Student Activities Committee, received support from Egypt Post, Dell Technologies, Valeo, IEEE Students, IEEE Africa Council, IEEE Computer Society, and IEEE Humanitarian Technologies Board.



### First Metaverse and Artificial Intelligence Week

September saw the organization of the First Metaverse and Artificial Intelligence Week by Meta in collaboration with EUI and the American University in Cairo (AUC). The event focused on highlighting the importance of modern digital technologies in driving the economy, aiding digital transformation, fostering innovation, and empowering youth capabilities.



### Participation in 'Egypt Makes Electronics'

In July, EUI launched the Automotive Embedded Software Development training program under the Egypt Makes Electronics (EME) presidential initiative that is implemented by Ministry of Communications and Information Technology. The three-month program, conducted in collaboration with six prominent automotive manufacturers, aimed to enhance capacity in the automotive embedded systems domain.



## 6. Selected Research Publications

### Prof. Hoda Mokhtar Research Publishing

Prof. Hoda M. O. Mokhtar, Dean of EUI's Faculty of Computing and Information Sciences had her book chapter, "Spatio-Temporal Outlier Detection: Methods, Applications, and Research Directions," published by IGI Global, an independent academic publisher focusing on Business & Management, Scientific, Technical, Medical (STM), and educational research.



### Prof. Amr ElMasry Research Publishing

Prof. Amr ElMasry, Dean of the Faculty of Engineering, published his latest research article, "Tuning the Evaporation Parameter in ACO MANET Routing Using a Satisfaction-Form Game-Theoretic Approach," in IEEE Access.



### **Dr. Youssri Hassan Research Publishing**

Dr. Youssri H. Youssri, Associate Professor of Mathematics at the Faculty of Engineering, published his second research article entitled "Novel spectral schemes to fractional problems with non-smooth solutions" in the "Mathematical Methods of Applied Sciences" Q1 journal at Wiley Online Library, with an Impact Factor: 3.007 and Cite Score: 3.9



### **Dr. Mohamed Ismail Research Publishing**

Dr. Mohamed Ismail (M. I. Ismail), a Physics Professor at the Faculty of Engineering, published his research article entitled "Gamma irradiation induced surface modification of (PVC/HDPE)/ZnO nanocomposite for enhancing the oil removal and conductivity using COMSOL Multiphysics in scientific reports of Nature, the leading international weekly journal of science.

