

MONTHLY BULLETIN



IGU

*Faculty of
Engineering
and
Architecture*



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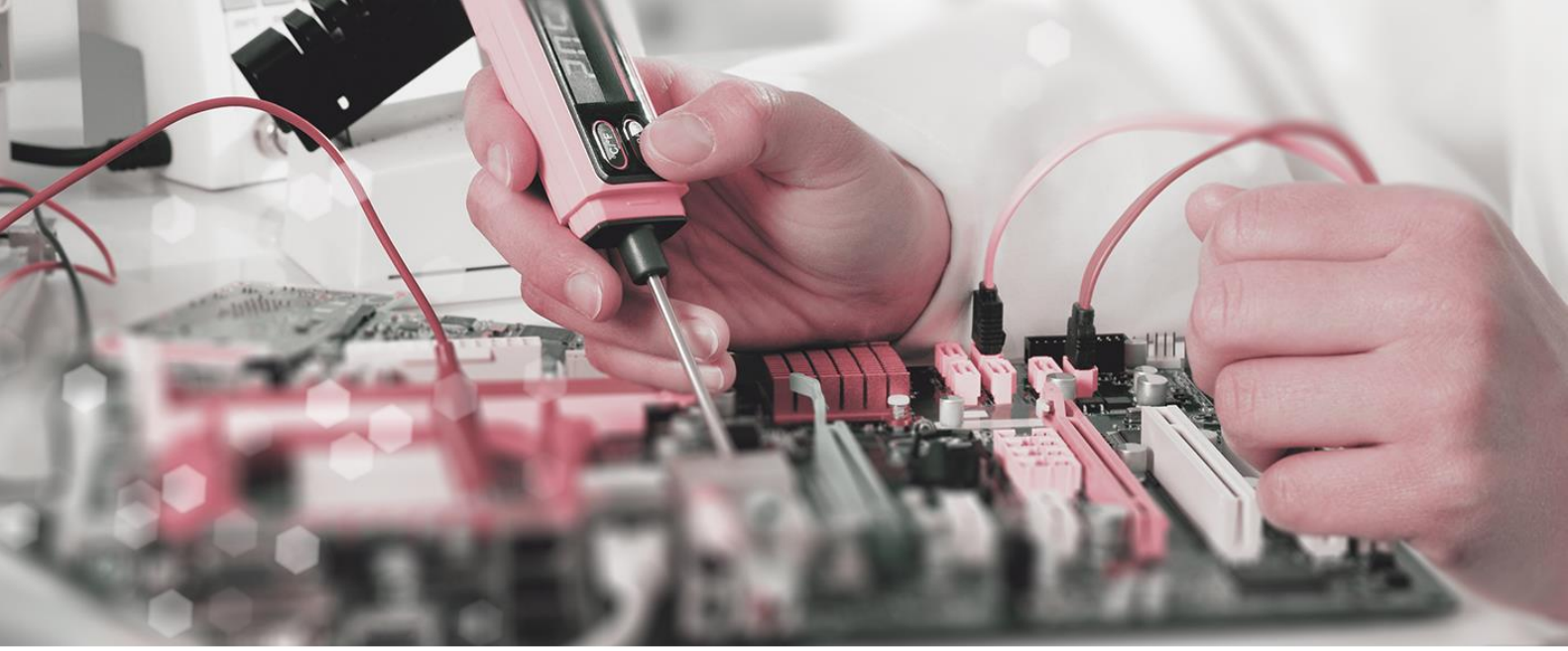
VOLUME 13

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News from the Faculty

- **Dr. M. Meryem Fındıkgil** has been appointed as the director of the Environmental Urbanism and Earth Sciences Application and Research Center. **Dr. Semih Göksel Yıldırım**, was appointed to the same Center as the Deputy Director. **Assoc. Dr. İlke Ciritci** has been appointed as the Deputy Director to the Istanbul Studies Application and Research Center.
- 4th grade students of Mechatronics Engineering Department made a Mechatronics System Design course project presentation on 18.01.2023.

- On 05.01.2023, a technical trip was held with the 2nd and 3rd year students, the members of the **Mechatronics Engineering Club**, to the facilities of “**TAKIMSAŞ Kesici Takım ve Makine San. Tic. ve A.Ş.**”, accompanied by the faculty members of the department, **Assist. Prof. Dr. Cansu NOBERİ** and **Res. Assist. Tunay ACIMAN**.





News from the Faculty

- Our Engineering Management Master's Program affiliated to the Department of **Industrial Engineering** has given its third graduates. A master's degree student On*** Ak*** in Engineering Management, successfully passed his thesis defense on 10.01.2023 in front of the jury with the participation of **Prof. Dr. Kenan ÖZDEN (supervisor), Prof. Dr. Tarık ÇAKAR and Prof. Dr. Ramazan YAMAN**. We wish him continued success.



- ABC and Applied Cyber Security Workshop trainings of computer programming given by Dr. Serkan Gönen, Head of Software Engineering Department at the High School Winter Academy, showed great interest.



- On January 25, 2023, one of the faculty members of our Aeronautical Engineering Department, **Prof. Dr. Osman Ergüven VATANDAŞ** gave simple flight principles training to high school students, under the name of **“Aircraft Engineering and Design Workshop”** within the scope of High School Winter Academy.





News from the Faculty

- **ARCHITECTURAL STRUCTURE WORKSHOP** workshop was held under the leadership of **Associate Professor İke CİRİTÇİ** from the Department of Architecture at the High School Winter Academy.





Academic Success

Scientific Research Projects Coordination

- A member of Faculty of Engineering and Architecture, **Dr. Serap Yeşilkır Baydar** as the corresponding author, has published a research article titled as '**Synthesis characterisation and neuroprotectivity of Silybum marianum extract loaded chitosan nanoparticles**' in the **Journal of Microencapsulation (Taylor & Francis, SCI-E scope and Quartile 2)** in January 2023. This article was produced from the project titled '**In Vitro Investigation of Therapeutic Effects of Various Herbal Extracts in Alzheimer's Disease Model (KAP-270320-SYB)**' that was funded by the Office of Scientific Research Projects.

Link to article:

<https://www.tandfonline.com/doi/abs/10.1080/02652048.2023.2167012?journalCode=imnc20>

For more details please

visit <https://ybmuam.gelisim.edu.tr/tr/id/ari-haberler>

Department of Aeronautical Engineering

- Our faculty member, **Dr. Samuel Moveh** with a team of researchers, published in the journal called **Energies** their paper "**Non-Intrusive Room Occupancy Prediction Performance Analysis Using Different Machine Learning Techniques**" to improve the collection and quality of datasets and data preprocessing using interactive learning and a rule-based classifier using camera and they combine environmental sensing data. The study compiles a new and comprehensive dataset for building occupancy profile prediction with more than 40,000 records. Link to article: <https://www.mdpi.com/19961073/15/23/9231>
- **Dr. Moveh** and his colleagues also published an article titled "**Evaluating the performance of Fuzzy-PID control for lane recognition and lane keeping in vehicle simulations**" in **Electronics** magazine on January 29, 2023. We congratulate him and wish him continued work.





Academic Success

Department of Architecture

- **Assoc. Dr. İlke CİRİTCİ's** article titled 'A Critical Assessment on the Design of Landfill Areas : New York – HDPK Little Island and Istanbul – Yenikapı' published in **ART/icle: Art and Design Journal**.with the doi number: <https://doi.org/10.56590/stdarticle.1160842>

Link to article:

<https://dergipark.org.tr/tr/pub/stdarticle/issue/74240/1160842>

Department of Mechatronics Engineering

- The BAP application named "Design and Development of 3D Printer Platform with Few Materials (DUP-220922-SP)" under the direction of **Assist. Prof. Dr. Safar POURABBAS** has been accepted.

Department of Computer Engineering

- Faculty of Engineering and Architecture, Department of Computer Engineering, **Dr. Mustafa Şenol's** paper titled "Brain Computer Interaction and Cybersecurity of the Brain" presented at the **7th International Conference on Computer Science and Engineering (UBMK)** held at Dicle University, at IEEE Xplore published.
- Faculty of Engineering and Architecture, Department of Computer Engineering, **Dr. Mustafa Şenol** made his presentation titled "Cyber Homeland and Deterrence" at the **Cyber Homeland and Defense National Workshop** organized by the Ankara Branch of the Chamber of Electrical Engineers and the Ankara Chamber of Commerce.
- **Dr. Mustafa Şenol's** paper titled "Cyber Security and Defense: Proactive Defense and Deterrence" presented at the International Conference on Information and Software Engineering (IISEF'22) was published in IEEE Xplore



Academic Success

Department of Software Engineering

- Software Engineering Dept. faculty members, **Dr. Serkan Gönen**, **Research Assistant Mehmet Ali BARIŞKAN**, and **Alumni Birkan ALHAN**'s article titled **Gender Detection Via Voice Using Artificial Intelligence Algorithms**, has been published in the TR Dizin indexed journal named **GAZİ JOURNAL OF ENGINEERING SCIENCES**. We wish our teachers success in their new publications.



- Software Engineering Dept. faculty member, **Dr. Serkan Gönen**'s article titled **A Novel Approach to Prevention of Hello Flood Attack in IoT Using Machine Learning Algorithm**, co-authored with **Computer Engineering Dept. Alumni Birkan ALHAN** and **Computer Engineering Department Research Assistant Mehmet Ali BARIŞKAN**, has been published in the Scopus indexed journal named **EI-Cezeri**. We wish our teachers success in their new publications.



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