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University

The Faculty of Engineering and Architecture

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**SCIENTIFIC STUDIES AT OUR FACULTY**

- Istanbul Gelişim University (IGU), Head of Computer Engineering department, **Asst. Prof. Dr. Hakan Aydın**'s the article titled " A Study of Cloud Computing Adoption in Universities as a Guideline to Cloud Migration" has been published in the journal " SAGE OPEN (SSCI)".
- Istanbul Gelişim University, Computer Engineering Department, **Asst. Prof. Dr. Mustafa Tunay**'s the article titled "A New Design of Stochastic Search Called Improved Hypercube Optimization Search Algorithm Based on Random Parameters Using High Dimensional Functions and Applied on Storage Management System" has been published in the journal "Mathematical Problems in Engineering (SSCI-E)".

*For more detailed information about Istanbul Gelisim University, Computer engineering scientific studies, you can visit: [www.gelisim.edu.tr](http://www.gelisim.edu.tr).*

**Computer Engineering**



- Istanbul Gelişim University (IGU), Head of Electrical and Electronics Engineering Department **Assoc. Dr. Indrit Myderrizi**'s the article titled "COVID-19 Quarantine Monitoring Based on Geofencing Technique" has been published in International Journal of Engineering Technologies.

**Electrical-Electronics Engineering**



- Istanbul Gelişim University, Mechatronics Engineering Department **Asst.Prof.Dr. Khalid YAHYA** and his colleagues, the study titled "Rotating behind Privacy: An Improved Lightweight Authentication Scheme for Cloud-based IoT Environment" has been published in "ACM Transactions on Internet Technology Journal". (DOI: 10.1145/3425707)

**Mechatronics Engineering**



- Istanbul Gelişim University, the article titled "Using of Recycled Clay Brick/Fine Soil to Produce Sodium Hydroxide Alkali Activated Mortars", co-authored by **Asst. Prof. Dr. Anıl NİŞ**, one of our Civil Engineering faculty members, has been published in the SCI indexed Advances in Structural Engineering Journal.
- Istanbul Gelişim University, the article titled "Finite Element Approach for the Bending analysis of Castellated Steel Beams with Various Web Openings" by **Asst. Prof. Dr. Ahmad Reshad NOORI**, one of our Civil Engineering faculty members, with our **Ph.D. student Silda DOORI**, was published in the ALKU Journal of Science.
- Istanbul Gelişim University, the article titled "Modeling of Urban Flooding and Waterfall Effect on Stepped Streets in Istanbul, Turkey", by **Res. Asst. Oguzhan Murat HALAT**, one of our Civil Engineering faculty members, was published in Eskişehir Technical University Journal of Science and Technology A – Applied Sciences and Engineering.

**Civil Engineering**



THE NEWS FROM DEPARTMENTS

Electrical and Electronics Engineering

- Career Interview with Electrical and Electronics Engineering Graduates was held on 8 June 2021.



Industrial Engineering

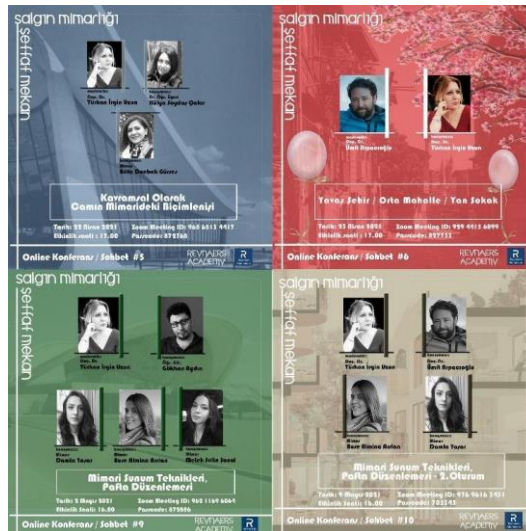
- Working in the Department of Industrial Engineering, **Research Assistant Nurdan Tüysüz** successfully completed the proficiency exam at Istanbul Technical University PhD Program. We wish her success in her future work.
- Industrial Engineering Department Boards was held on June 3, 2021, and June 6, 2021 chaired by **Prof. Dr. Tarık Çakar**. Graduation Project Defense Exams of Industrial Engineering Department final class students were successfully held online between 23-24-25 June 2021. Each student presented and defended his/her Graduation Projects in an average of 20 minutes in front of the jury consist of **Prof. Dr. Tarık Çakar, Prof. Dr. Kenan Özden** and **Asst. Prof. Didem Yılmaz**. We wish success to all students who have reached the graduation stage in their future studies.
- A meeting was held on June 27, 2021 at 14:00 for senior students in order to make the general evaluation of the Graduation Thesis Defense Exams completed on 23-24-25 June 2021, to introduce the Engineering Management Thesis and Non-Thesis Master Programs and to make the closing speeches of the semester.

**Mecharomics Engineering**

- The senior students of the Mechatronics Engineering Department presented their final year project presentations, which they prepared in detail for the Graduation Study Course individually or as a team, to the faculty members of the department on 24 June 2021.
- The study titled "Battery Management and Cooling System in Electric Vehicles", which is supervised by Mechatronics Engineering Faculty Member **Asst.Prof.Dr. Kenan SENTURK** and prepared by students named **Erkan Yasin BABAL**, **Batuhan NARIN**, **Furkan Taha ASLAN**, **Talha SURENOGLU**, was successfully presented by fourth grade student **Erkan Yasin BABAL** at the International Mechatronics Student Conference held on June 25, 2021.
- The study titled "Robot Arm Design for Product Control with Conveyor Belt System", which is supervised by Mechatronics Engineering Faculty Member **Asst.Prof.Dr. Cansu NOBERI** and prepared by students named **Sevval Sultan SUBEKCI**, **Kardelen YILMAZ**, was successfully presented by fourth grade student **Kardelen YILMAZ** at the International Mechatronics Student Conference held on June 25, 2021.conference.
- Sheet Metal Forming, Assembly and Quality Processes Seminar will be held on 1 July 2021 at 13:00. The seminar was planned together with the Mechatronics Engineering Club and the Automotive Technologies Application and Research Center. Beycelik Gestamp Quality Manager **Mr. Mesut CELIK** will attend the seminar as a speaker.

**Architecture**

- "Epidemic Architecture, Transparent Space" online workshop was held and conducted under the coordination of **Assoc. Dr. Türkan İRGİN UZUN** between April 5th and May 7th. In the scope of the workshop, online meetings were organized under the topics "*the Formation of the Glass in the Architecture*", "*Architectural Presentation Techniques / Side Street*", "*Architectural Presentation Techniques, Poster Edit*" and "*Architectural Presentation Techniques, Poster Edit 2nd Session*".





- “*Is Drawing Skill Necessary in Interior Architecture?*” the event with the theme was held under the moderation of **Assoc. Dr. Türkan İRGİN UZUN** with the participation of Art and Design Instructor **C. Zafer GAZİOĞLU**.



- In the scope of “*Disaster Solidarity Seminars*” on May 16, with the participation of **Head of Architecture Department Prof. Dr. Mehmet Rifat Hulusi ÇELEBİ** held on online under the title of “*Earthquake Reality*”.



**Aeronautical Engineering**

**“SPACE TRAVEL IS COMING REAL!**

In the field of aviation and space, we see that serious investments are made not only by states but also individually. Virgin Group founder Richard Branson, SpaceX owner Elon Musk, Amazon founder and space company Blue Origin owner Jeff Bezos are among the leading names in this regard. After Musk's rocket launch tests in the past months, Jeff Bezos also stated that he will go on a civilian space journey with his brother on the New Shepard rocket next July: "I will set off with my brother on July 20. The greatest adventure with my best friend," he said. . Another important point of this trip, if it is successful, this flight will also be the beginning of a new era for private commercial space travel. The company, which has performed 16 automated flights before, will carry people into space for the first time. In addition, it is interesting that Bezos has auctioned seat tickets for this trip and that the owner of the highest price can go to space. As the auction continued for New Shepard, \$28 million was offered at the auction and sold at that price. Blue Origin, which will carry people into space for the first time, did not reveal the name of the person who took the seat. In fact, the information that the auction would show the company was that people's interest in civil space tourism and accordingly the investment infrastructure were wanted to be learned. 7000 people from 159 countries participated in the auction for the seat. It is stated that 6 passengers will take part in the 11-minute journey from Van Horn Base in Texas to be made on 20 July. These advances show that space travel is now approaching...



## PROTECTION AGAINST VIRUS IS IN OUR HANDS



THE MOUTH AND NOSE SHOULD BE CLOSED WITH PAPER TOWEL DURING COUGHING AND SNEEZE. IF YOU DO NOT HAVE ANY WIPE, THE INSIDE OF THE ELBOW SHOULD BE USED.



CLOSE CONTACT SHOULD AVOID LIKE HANDSHAKE AND HUGGING.



IT SHOULD BE STAYED AWAY FROM CROWDED ENVIRONMENTS.



DO NOT TOUCH THE MOUTH, NOSE AND EYES WITH DIRTY HANDS.



HANDS MUST BE WASHED WITH WATER AND NORMAL SOAP FOR AT LEAST 20 SECONDS.



ALCOHOL CONTENT HAND ANTISEPTICS SHOULD BE USED IN CASE OF THERE IS NO WATER AND SOAP.

  
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