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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, Ali Çetinkaya** from IGU Technology and Transfer Office, and Computer Engineering **Research Assistant Mehmet Ali Barışkan** with which they worked together, The article titled "Evaluation of Energy Systems Security in the Scope of Cyber Security", was published in the journal "Security Sciences".
- Istanbul Gelişim University, Computer Engineering Department, **Asst. Prof. Dr. Elham Pashaei's** article "Gene selection using hybrid dragonfly black hole algorithm: A case study on RNA-seq COVID-19 data" has been published in the journal "Analytical Biochemistry".

For more detailed information about Istanbul Gelisim University, Computer engineering scientific studies, you can visit: www.gelisim.edu.tr.

Computer Engineering



- The paper (Combination of Graph and Tie-Set Techniques for Network Reliability Assessment) has been accepted and presented to the 1st. Babylon International Conference on Information Technology and Science 2021 (May) (Iraq). **Head of Electrical and Electronics Engineering Department Assoc. Dr. Indrit Myderrizi**, Vice Head of Electrical and Electronics Engineering Department, **Asst. Prof. Dr. Musaria Karim MAHMOOD**, and **Nazik Aljbur**. The paper was presented online by **Asst. Prof. Dr. Musaria K. MAHMOOD**.
- The paper (Analysis and evaluation of symmetric-key ciphers for Internet of things smart home) has been published in May in the Indonesian Journal of Electrical Engineering and Computer Science (Scopus), written by Vice Head of Electrical and Electronics Engineering Department **Asst. Prof. Dr. Musaria Karim MAHMOOD**.
- The paper (An Analysis of Twitter Contents Using Sentiment Analysis) has been accepted in the AMA, Agricultural Mechanization in Asia, Africa, and Latin America (Scopus) written by Vice Head of Electrical and Electronics Engineering Department **Asst. Prof. Dr. Musaria Karim MAHMOOD**.

Electrical-Electronics Engineering



- The study titled "Structural, Optical, Magnetic, Photocatalytic Activity and Related Biological Effects of CoFe₂O₄ Ferrite Nanoparticles" that had been previously accepted by Journal of Materials Science: Materials in Electronics and had been prepared by **Asst. Prof. Dr. Kenan SENTURK** and his working group, was published online on May 05, 2021.

Mechatronics Engineering



- Head of Industrial Engineering Department, **Prof. Dr. Tarık ÇAKAR**'s article titled "Supplier Selection Process in Dairy Industry Using Fuzzy TOPSIS method" was published in between pages 82-98 of the journal titled "Operational Research in Engineering Sciences: Theory and Applications".
- Working in the Department of Industrial Engineering as **Research Assistant Nurdan TÜYSÜZ**'s book chapter titled "Multi-criteria Assessment of Sustainability for Energy Systems Under Uncertainty: Gray-Based Approach" was published online on May 25, 2021 between pages 103-128 of the book titled "Energy Systems Evaluation (Volume 2)".

Industrial Engineering



- The article titled " A powerful numerical approach for the axisymmetric bending response of shear deformable two-directional functionally graded (2D-FG) plates with variable thickness " by **Asst. Prof. Dr. Ahmad Reshad NOORI**, one of our Civil Engineering Faculty members, has been published in the SCI indexed Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science.
- The article titled " Effects of Nanosilica and Steel Fibers on the Impact Resistance of Slag based Self-Compacting Alkali-Activated Concrete " by **Asst. Prof. Dr. Anil NIS**, one of our Civil Engineering Faculty members, has been published in the SCI indexed Q1 impact Ceramics International.
- The proceeding titled " Compressive Strength Development of Alkali Activated Concretes Under Ambient and Delayed Oven Curing Conditions " by one of our Civil Engineering faculty members **Asst. Prof. Dr. Anil NIS** and his graduate students from our master program, has been published in the International Conference on Cement-Based Materials Tailored for a Sustainable Future organized by Boğaziçi University on 27-29 May 2021, also supported by ACI, RILEM and ERMCO.

Civil Engineering



- **Asst. Prof. Dr. İlke CİRİTÇİ** and **Assoc. Dr. Gül YÜCEL** published an article titled "Factors Affecting the Formation of Social Space In the Step Streets and Evaluation For Three Examples From Istanbul" in İDEALKENT, 12 (32). The article can be found in the announcements section of our website.

Architecture



- The article titled "A New Nonlinear Lifting-Line Method for Aerodynamic Analysis and Deep Learning Modeling of Small UAVs" (DOI: 10.1177/17568293211016817/ ID: MAV-20-0026.R1) by **Prof. M. Adil YÜKSELEN**, one of our Aeronautical Engineering faculty members, and Prof. Gökhan İNALHAN, **Res. Ass. Hasan KARALI** and **Dr. M. Umut Demirezen**, members of ITU Faculty of Aeronautics and Astronautics, has been accepted in the International Journal of Micro Air Vehicles.

Aeronautical Engineering



STUDENT CLUB ACTIVITIES

- On Sunday, May 2 at 16:00, the tenth of the Architectural Talks event series was held online with the participation of **Cartoonist Writer Behiç AK** under the title "*From Architecture to Art*". All events can be accessed on our Department of Architecture website.



- Within the scope of the 2020-2021 Spring Term club activities, a workshop on "*Perceptual Mapping*" was held on Sunday, May 9 at 16:00, under the supervision of Lecturer Aytek ALKAYA and with the participation of the students.



- On May 15, the Aviation and Space Sciences Project Club has been held a conversation event "Aviation Talks with IGU Academicians".

THE NEWS FROM DEPARTMENTS

Civil Engineering

- The TUBITAK project titled "The Effects of Collaborative Vehicle Dynamics on Traffic Flow Modeling: Simulation and Control" prepared by Istanbul Technical University and Istanbul Gelisim University by **Prof. Dr. Mustafa KARASAHIN**, Faculty Member of Civil Engineering Department, has been accepted. **Fidel Baran OZDEMIR** is our graduate student as a scholar in the project.
- The master's theses of **Selin KARADAĞ**, **Sebahattin OLCAY** and **Celal KARABAŞ**, Civil Engineering graduate students of **Asst. Prof. Dr. Anil NIS**, one of our Civil Engineering faculty members, were completed and they were entered into the YÖKSİS system after being approved by YÖK in May.

Mechatronics Engineering

- Mechatronics Engineering Department Board meeting was held on May 10, 2021.
- With the participation of graduates and active students of the Mechatronics Engineering Department, the video shooting events about the introduction of the department were planned to be held on June 2, 2021.

Architecture

- You can visit our website to read the news written by **Assoc. Dr. Gül YÜCEL** about "Venice Biennale 17th International Architecture Exhibition, 22 May-21 November 2021". Exhibition links:
 - o Venice Biennial: <https://www.labiennale.org/>
 - o Turkey Exhibition: <https://pavilionofturkey21.iksv.org/tr>
 - o America Exhibition: <http://americanframing.org/>
 - o Norwegian Exhibition: <https://www.nasjonalmuseet.no/>
- 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 online under the title of "Earthquake Reality".



- "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*"



- Parametric Modeling And Computational Façade Design Mimsa Online Workshop and Conference Series, between 29 April - 27 May, were carried out under the supervision of **Assoc. Dr. Türkan İRGİN UZUN**. Within the scope of the Online Workshop and Conference Series, online talks were held on "*BIM Supported Performative Design*" and "*Parametric Design and Production Limits*".



- MEMB 420 - ARCH 420 Maltepe University, Department of Architecture and Design, Department of Architecture & Architecture, Department of Architecture & Architecture, 2020-2021 Spring, Design Studio VIII Seminars Spring, Design Studio VIII Seminars, on 25 May, was held online with the participation of **Prof. Dr. Mehmet Şener KÜÇÜKDOĞU** under the title of "*Lighting Principles in Museums and Exhibitions*".
- On 11 May, **Asst. Prof. Dr. Erdem ÜNGÜR** has made a presentation titled "D-100 Highway AS A Biopolitical Tool of Urbanization" with the scope of ITU Architecture Department, "Architecture After 1960 Lecture Series".
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- Within the scope of Fırat University, Department of Architecture Career Diaries, **Assoc. Dr. Türkan İRGİN UZUN** has participated as a speaker and presented the conversation on the "Homes And Design Principles of Famous Architects".

FIRAT ÜNİVERSİTESİ MİMARLIK BÖLÜMÜ
KARIYER GÜNLÜKLERİ

"ÜNLÜ MİMARLARIN EVLERİ VE TASARIM İLKELERİ ÜZERİNE"



Lisans eğitimini Yıldız Teknik Üniversitesi'nde tamamlayan Türkan Uzun, yüksek lisansını İstanbul Teknik Üniversitesi'nde "Mimarlık Tarihi ve Kuramı" üzerine yapmış olup Yıldız Teknik Üniversitesi'nde ise doktorasını yine "Mimarlık Tarihi ve Kuramı" üzerine tamamlamıştır. Uzmanlık alanı üzerine farklı üniversitelerde akademik faaliyetlerde bulunmuş, bunların yanı sıra çağımızın gereksinimi haline gelen "Building Information Modeling (BIM)" üzerine çeşitli eğitimler ve seminerler vermektedir. Halen İstanbul Gelişim Üniversitesi'nde tam zamanlı olarak, çeşitli üniversitelerde ise davetli öğretim üyesi olarak görev yapmaktadır.

Konuşmacı: Doç. Dr. Türkan UZUN
İstanbul Gelişim Üniversitesi- Mimarlık Bölümü

Moderatör: Dr. Öğr. Gör. Nurtekin ÖZEN
Tarih & Saat: 19 Mayıs Çarşamba 2021 / 18.00
Yer: Dijital Ortam (Zoom)

Meeting ID: 820 2599 3753
Paswodu: 647480

- With the support of Istanbul Galata University and Reynaers, a conversation on "Housing Interior Arrangements After Pandemic" was held under the moderation of **Assoc. Dr. Türkan İRGİN UZUN**.





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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