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ENGINEERING FACULTY

e - Newsletter

November / 2024

Issue: 26



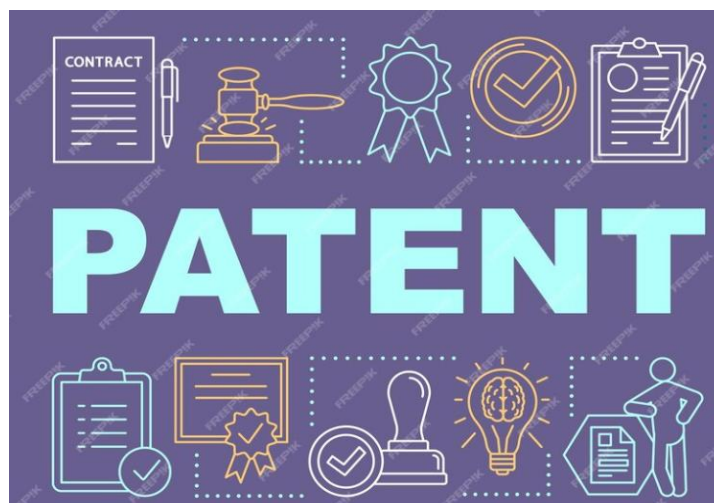
WORKSHOP

Dr. Abdulkader ALWER, Assistant Professor from the Department of Electrical and Electronics Engineering, participated in the workshop titled "Institutional Excellence in Higher Education: Models and Strategies for Improving Educational Institutions through Innovation" on November 15.



PATENT SUCCESS

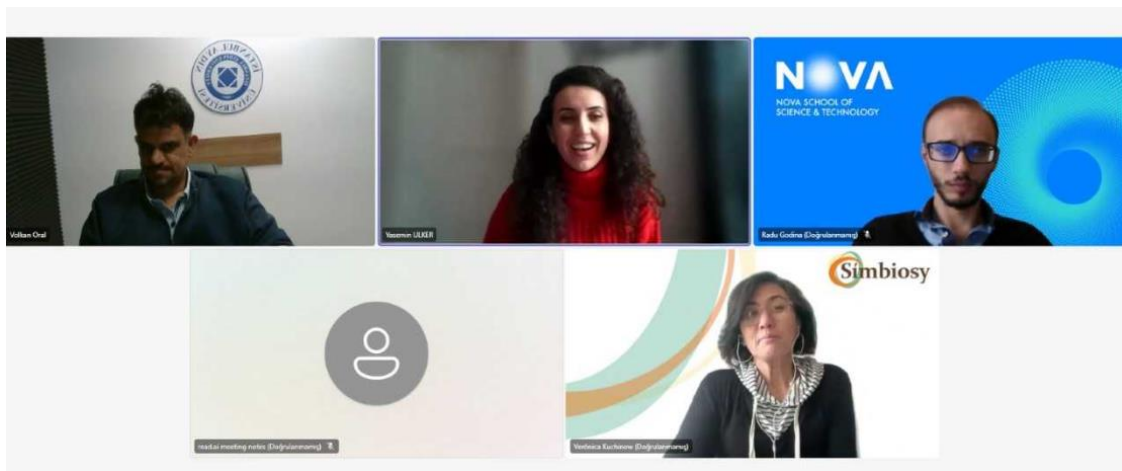
Dr. Melda YÜCEL, Assistant Professor from the Department of Civil Engineering, has been granted a patent for her invention titled "Smart Solution Against Disasters: Building Information, Structural Health Monitoring, and Disaster Management System." We congratulate her on this achievement.





COST LIAISE MEETINGS

Assoc. Prof. Dr. Hasan Volkan ORAL from the Department of Civil Engineering participated in the COST LIAISE Articles Meeting held on November 19.



CONFERENCE SPEECH

Prof. Dr. Osman YILDIRIM, Head of the Department of Electrical and Electronics Engineering, delivered a speech at the 2nd Global Webinar on Renewable and Sustainable Energy organized by the Global Scientific Guild.





ATTENDANCE TO CONFERENCE

Research Assistant Melisa ÇALIŞKAN DEMİR from the Department of Industrial Engineering participated in the International Conference on Optimization and Data Science in Industrial Engineering (ODSIE 2024) held on November 7-8.



TURKCELL ACADEMY MEETINGS

On November 28, the Department of Computer Engineering organized the "Turkcell Academy Meetings."





WEBINAR

The Department of Civil Engineering organized the "If I Had Today's Mindset" webinar on November 1 and November 26.

 **ISTANBUL AYDIN UNIVERSITY** | 20 Years | **CIVIL ENGINEERING DEPARTMENT**

AYDINTALKS: If I had Today's Mindset



Speaker  **Moderator**  **Chair** 

Tuğrul TOSUN, M. Sc. Eng
Director of Project Controls at Amtrak
USA

Res. Assist. Abdullah NİĞDELİOĞLU
Civil Engineering Department
Istanbul Aydın University

Prof. Dr. Gökhan ARSLAN
Civil Engineering Department
Istanbul Aydın University

 **01 November 2024**  **ONLINE** Meeting ID : 720 7120 0858
 **14:00** Password : 4hqMrx

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AYDINTALKS: If I had Today's Mindset

Şimdiki Aklım Olsaydı



Speaker  **Moderator**  **Chair** 

Zeynep SAMANLIOĞLU
Human Resources Manager
TAV Construction

Res. Assist. Abdullah NİĞDELİOĞLU
Civil Engineering Department
Istanbul Aydın University

Prof. Dr. Gökhan ARSLAN
Civil Engineering Department
Istanbul Aydın University



 **26 November 2024**  **ONLINE** Meeting ID : 392 404 812 89
 **13:00** Password : 7Hx65Lm3



LATEST ACADEMIC PAPERS

Prof. Dr. Abdulhadi BAYKAL

Almessiere, M. A., Baykal, A., Caliskan, S., Gungunes, H., Korkmaz, A. D., & Kahraman, S. (2024). Gas liquid diffusion synthesis of Fe³⁺ doped Ni-Co nanospinel oxides: An investigation on structural-magnetic traits and mossbauer analysis. *Applied Physics A*, 130(12), 856.

Slimani, Y., Caliskan, S., Khan, F. A., & Baykal, A. (2024). Anti-cancer activity and optoelectronic properties via DFT calculations of rare-earth dually doped wurtzite-type ZnO nano-systems. *Nano-Structures & Nano-Objects*, 40, 101348.

Prof. Dr. Beşir ŞAHİN

Mehmet Bilgili, Sergen Tümse ve Beşir Şahin (2024) Assessment of heating degree-days factor (HDDF) for building-oriented climate zoning in Türkiye, *International Journal of Green Energy*, 1-13

Prof. Dr. Yusuf Cengiz TOKLU

Toklu, Y. C., & Ozbasaran, H. (2024). An efficient decoder for size optimization of trusses with automatic member grouping. *Soft Computing*, 1-27.

Akpınar, P., Toklu, Y.C. (2024) "Developing adequate lunar construction materials for facilitating lunar missions and settlements: an overview" 3rd National Civil Engineering Symposium, North Cyprus, 4-6 December, 2024

Bay, İ., Kaya, Y., Toklu, Y.C. (2024) "General Overview on Water Existence in LUNAR REGOLITH" 3rd National Civil Engineering Symposium, North Cyprus, 4-6 December, 2024

Assist. Prof. Dr. Bilal ÖZTÜRK

Ozturk, B. A., Tayyeh, H. K., Namiq, H. E., Mahajan, H. B., Junnarkar, A. A., Uke, N., ... & Rane, M. (2024). The Blockchain for Healthcare 4.0 Apply in Standard Secure Medical Data Processing Architecture. *Internet Technology Letters*, e614.



Assist. Prof. Dr. Dilşad AKGÜMÜŞ GÖK

AKGÜMÜŞ GÖK D., AL-NIMER Khaled Nimer Mohammad (2024). Characterization of NACA 2412 and NACA 4412 Airfoils: Effects of Angle of Attack on Aerodynamics Coefficients, Journal of Thermal Engineering, 10(6), 1527-1538. (DOI: 10.14744/thermal.0000892) –

AKGÜMÜŞ GÖK D., ÖZKAN, Mehmet Furkan, KARAMAN Haydar Emre, KHATTAB Mohammad Sami Mohammad (2025). Design and Kinematic Analysis of a Robotic Arm Capable of MIG Welding, Osmaniye Korkut Ata University Journal of Natural and Applied Sciences

Patent Başvurusu - Fonksiyonel Kompozit Filament 3D Yazıcı Tasarımı

Assist. Prof. Dr. Bilal ÖZTÜRK - Assist. Prof. Dr. Hayder MOHAMMEDQASIM – Assist. Prof. Dr. Roa'a MOHAMMEDQASEM

Using 5G Standards for Smart Healthcare Applications and Designing an Artificial Intelligence-Based Industry 4.0 Communication System. <https://doi.org/10.1002/itl2.599>.(Emerging Sources Citation Index)

Advancing Parkinson's Disease Detection: Integrating Machine Learning with Enhanced Feature Selection and Data Augmentation- Part of the book series: Lecture Notes in Networks and Systems ((LNNS,volume 1085))