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ENGINEERING FACULTY

e - Newsletter

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Editors

Assist. Prof. Dr. Semih YÖN

Res. Assist. Abdullah NİĞDELİOĞLU



TEKNOFEST 5TH INSTITUTIONAL REPRESENTATIVES COORDINATION MEETING

Vice Dean Assist. Prof. Dr. Semih YÖN attended TEKNOFEST 5th Institutional Representatives Coordination meeting on 17.01.2023.

C BLOK	B BLOK	A BLOK
10	10	10
C-20 C-1 25 m² 25 m²	B-20 B-1 25 m² 25 m²	A-20 A-1 25 m² 25 m²
C-19 C-2 25 m² 25 m²	B-19 B-2 25 m² 25 m²	A-19 A-2 25 m² 25 m²
C-18 C-3 25 m² 25 m²	B-18 B-3 25 m² 25 m²	A-18 A-3 25 m² 25 m²
C-17 C-4 25 m² 25 m²	B-17 B-4 25 m² 25 m²	A-17 A-4 25 m² 25 m²
C-16 C-5 25 m² 25 m²	B-16 B-5 25 m² 25 m²	A-16 A-5 25 m² 25 m²
C-15 C-6 25 m² 25 m²	B-15 B-6 25 m² 25 m²	A-15 A-6 25 m² 25 m²
C-14 C-7 25 m² 25 m²	B-14 B-7 25 m² 25 m²	A-14 A-7 25 m² 25 m²
C-13 C-8 25 m² 25 m²	B-13 B-8 25 m² 25 m²	A-13 A-8 25 m² 25 m²
C-12 C-9 25 m² 25 m²	B-12 B-9 25 m² 25 m²	A-12 A-9 25 m² 25 m²
C-11 C-10 25 m² 25 m²	B-11 B-10 25 m² 25 m²	A-11 A-10 25 m² 25 m²
AKADEMİK PAYDAŞ	AKADEMİK PAYDAŞ	AKADEMİK PAYDAŞ

UZAY, HAVACILIK VE İNOVASYON

- Robotik yarışmalar
- IHA Yarışları
- Savaşan IHA Yarışması
- Pardius 21 Hata Yakalama ve Oneri Yarışması (Çevrim içi)
- TUBA-TEKNOFEST Doktora Bilim Ödülleri (Çevrim içi)
- Türkçe Doğal Dil İşleme Yarışması (Çevrim içi)
- Dikey İnşili Roket Yarışması
- Uçan Araba Yarışması
- Roket Yarışması
- Model Uydur Yarışması

AKILLI SİSTEMLER, ÇEVRE VE TARIM TEKNOLOJİLERİ

- Akıllı Ulaşım Yarışması
- Hyperkoop Geliştirme Yarışması
- EC Elektrikli Araç Yarışması
- Çevre ve Enerji Teknolojileri Yarışması
- Tarım Teknolojileri Yarışması
- Tarımsal İKA Yarışması
- Robotaksi Binek Otonom Araç Yarışması
- Ulaşımda Yapay Zeka Yarışması
- İnsansız Su Altı Sistemleri Yarışması

27 NİSAN-1 MAYIS İSTANBUL ATATÜRK HAVALİMANI



TUBITAK 1001 PROJECT ACCEPTANCE

The TUBITAK 1001 project "Development of a Measurement-Based Computational New Method for Determining Vehicle-Induced Dynamic Loads on Rail System Lines" has been accepted, with Assist. Prof. Dr. Arif ULU participating as a researcher.



INTRODUCTION SEMINAR OF ENGINEERING FACULTY

On January 26, 2023, the Department of Industrial Engineering, Res. Assist. Melisa ÇALIŞKAN DEMİR gave an introductory seminar about the Faculty of Engineering to the students of Sevinç Atakent Course Center.





LATEST ACADEMIC PUBLICATIONS

1) Kaveh DEGHANIAN

AL Asadi, S., & Dehghanian, K. (2022). Effect of Cement-Sand-Clay Mixture on Static Analysis. *Orclever Proceedings of Research and Development*, 1(1), 94–110. <https://doi.org/10.56038/oprd.v1i1.153K>.

Almadani, E., & Dehghanian, K. (2022). Numerical Analysis of Soft Soils Reinforced with Deep Mixing Column. *Orclever Proceedings of Research and Development*, 1(1), 240–256. <https://doi.org/10.56038/oprd.v1i1.205>

2) Hasan Volkan ORAL

Saygın, H., Oral, H.V., Sürdürülebilir Kent Planlama Ekseninde Enerji Verimliliği ve Ekoloji, Nobel Akademik Yayınları (Publication Time: April 2023)

Master's Thesis with the concept of Nature-based Solutions "Sample Field Study for Wetlands to be Constructed in Küçükçekmece District in the Context of Nature-based Solutions proposals

3) Murtaza FARSADI

Borhan Elmi, M.M., Moqadam, S.N., Farsadi, M., Contribution estimation of different residential loads using deep recursive neural network, 2st-International Congress on Modern Sciences Tashkent Chemical-Technological Institute

4) Semih YÖN, Mhd Wasim RAED, Ali GÜNEŞ

Mhd. Wasim Raed, Semih Yon, Ali Gunes, Igor Kotenko, Elena Fedorchenko and Anna Polubaryeva, An RFID based localization and mental stress recognition system using wearable sensors.

5) Beşir Şahin

H Hamzah, B Sahin, Analysis of SWCNT-water nanofluid flow in wavy channel under turbulent pulsating conditions: Investigation of homogeneous and discrete phase models, *International Journal of Thermal Sciences* 184, 10801, (2023) Q-katagorisi: Q1

H Zontul, B Şahin, Experimental investigation of convective heat transfer performance and hydrodynamics of pulsating flow through the rectangular grooved channel, *Experimental Thermal and Fluid Science*, 110796, (2023) Q katagorisi: Q2

Beşir Şahin Hocamızın bültenimizde görünmemiş önceki dönem yayınları aşağıdaki gibidir.

MO Tasci, S Tumse, B Sahin, The impact of the ground on flow structure and aerodynamic characteristics of a double delta wing, *Aerospace Science and Technology*, 107943, (2022), Q-katagorisi: Q1

S Tumse, M Bilgili, B Sahin, Estimation of aerodynamic coefficients of a non-slender delta wing under ground effect using artificial intelligence techniques, *Neural Computing and App.*, 1-22, 2022, Q-katagorisi: Q1

A Ozbek, A Ilhan, M Bilgili, B Sahin, One-hour ahead wind speed forecasting using deep learning approach, *Stochastic Environmental Research and Risk Assessment*, 1-25, 2022, Q-katagorisi: Q1



MO Tasci, S Tumse, B Sahin, Vortical flow characteristics of a slender delta wing in ground effect, Ocean Engineering 261, 112120, 2022, Q-kategorisi: Q1

F Sarigiguzel, A Kilavuz, M Ozgoren, T Durhasan, B Sahin, LA Kavurmacioglu, H Akilli, E Sekeroglu, B Yaniktepe, Experimental investigation of free-surface effects on flow characteristics of a torpedo-like geometry having a cambered nose, Ocean Engineering 253, 111174, 2022, Q-kategorisi: Q1

A Kilavuz, M Ozgoren, LA Kavurmacioglu, T Durhasan, F Sarigiguzel, B Sahin, H Akilli, E Sekeroglu, B Yaniktepe, Flow characteristics comparison of PIV and numerical prediction results for an unmanned underwater vehicle positioned close to the free surface, Applied Ocean Research 129, 103399, (2022), Q-kategorisi: Q1

A Kilavuz, T Durhasan, M Ozgoren, F Sarigiguzel, B Sahin, LA Kavurmacioglu, H Akilli, E Sekeroglu, B Yaniktepe, Influence of free-surface on wake flow characteristics of a torpedo-like geometry, Journal of Marine Science and Technology, 1-18, 2022, Q-kategorisi: Q2

S Tumse, I Karasu, B Sahin, Experimental Investigation of Ground Effect on the Vortical Flow Structure of a 40° Swept Delta Wing, Journal of Aerospace Engineering 35 (4), 2022, Q-kategorisi: Q2

S Tumse, H Zontul, H Hamzah, B Sahin, Numerical Investigation of Magnetohydrodynamic Forced Convection and Entropy Production of Ferrofluid Around a Confined Cylinder Using Wire Magnetic Sources, Arabian Journal for Science and Engineering, 1-30, 2022, Q-kategorisi: Q2

A Okbaz, M Ozgoren, C Canpolat, B Sahin, H Akilli, Control of the flow past a sphere in a turbulent boundary layer using O-ring, Wind and Structures 35 (1), 1-20, 2022 Q kategorisi: Q2

A Ilhan, B Sahin, M Bilgili, A review: diffuser augmented wind turbine technologies International Journal of Green Energy 19 (1), 1-27, 2022 Q kategorisi: Q2

S Tmse, A Ilhan, M Bilgili, B Sahin, Estimation of wind turbine output power using soft computing models, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 44, 2022, Q kategorisi: Q3

A Kilavuz, F Sarigiguzel, M Ozgoren, T Durhasan, B Sahin, The impacts of the free-surface and angle of attack on the flow structures around a torpedo-like geometry, European Journal of Mechanics-B/Fluids 92, 226-243, 2022 Q kategorisi: Q3

A Ilhan, S Tumse, M Oguz Tasci, M Bilgili, B Sahin, Particle image velocimetry investigation of the flow for the curved type wind turbine shroud, Journal of Applied Fluid Mechanics 15 (2), 373-385, 2022 Q kategorisi: Q4