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ENGINEERING FACULTY

e - Newsletter

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WEBINAR

One of our faculty members from the Mechanical Engineering Department, Prof. Dr. Hasan Alpay HEPERKAN gave a speech at the webinar titled "The new approach brought by climate change and digital technologies to building system design".

ASHRAE SOHBETLERİ

İKLİM DEĞİŞİKLİĞİNİN VE DİJİTAL TEKNOLOJİLERİN
BİNA SİSTEM TASARIMINA GETİRDİĞİ YENİ YAKLAŞIM



Prof. Dr.
Hasan Alpay
HEPERKAN

11.01.2024 - Perşembe
15.30-16.30



PRESENTATION

Students named GABRIEL VALENTIN GRADINARU and ANDREA MARINA FEER, who came to the Department of Civil Engineering through the Erasmus Program, did their internships in the Department of Civil Engineering (English). The relevant students held a meeting on 16.01.2024 at 14:00 in the K block meeting room and presented their work to the faculty members of our faculty.



Erasmus+



SCIENTIFIC COMMITTEE INVITATION

One of our faculty members from the Department of Civil Engineering, Assist. Prof. Dr. Hasan Volkan was invited to the scientific committee of an international conference called ORAL 1st Edition of the NBS to be held in Portugal.



VISITING PROFESSOR

One of our faculty members from the food engineering department, Prof. Dr. Abdulhadi BAYKAL went abroad as a visiting professor upon the invitation of King Fahd University of Petroleum and Minerals (Saudi Arabia) for research purposes, with the approval of the rectorate, for two months (27.12.2023-03.03.2024).

SEMINAR

Assist. Prof. Dr. Seda KARATEKE gave a seminar titled "MATHEMATICS OF ARTIFICIAL NEURAL NETWORKS (ANN) AND LINEAR ANN OPERATORS" at Istanbul University Department of Mathematics. Details of the seminar were published on the Istanbul University website and "turkmath.org" website.

06 Aralık 2023, 14:00



Istanbul Üniversitesi Matematik Bölümü Seminerleri

Yapay Sinir Ağları (YSA)'nın Matematiği ve Doğrusal YSA Operatörleri (seminer.php?id_seminer=3551)

Seda Karateke
Istanbul Aydın Üniversitesi, Türkiye



LATEST ACADEMIC PUBLICATIONS

Prof. Dr. Abdulhadi BAYKAL

Y. Slimani, M.A. Almessiere, D.S. Klygach, A. Baykal, T.I. Zubar, S.V. Trukhanov, S. Caliskan, A.V. Trukhanov, Md. Amir, Structural, magnetic, and microwave features of Sc³⁺ ions substituted Sr_{0.5}Ba_{0.5}Fe₁₂O₁₉ nano-hexaferrites, Journal of Alloys and Compounds, Volume 976, 2024, 173138, ISSN 0925-8388, <https://doi.org/10.1016/j.jallcom.2023.173138>.

Prof. Dr. Beşir ŞAHİN

M. Alhasan, H. Hamzah, A. Koprulu and Besir Sahin, (2024), Couette-Poiseuille flow over a backward-facing step: Investigating hydrothermal performance and irreversibility analysis, Case Studies in Thermal Engineering, Volume 53, 103954 3

Ö. Kenan, B. Yanıktepe, M. Ozgoren, E. Şekeroğlu, E. Akbudak, T. Durhasan, A. Kılavuz, B. Şahin, H. Akıllı, L. Kavurmacıoğlu, (2023), POD Analysis of Flow around Torpedo-Like Geometry with a Hemispherical Nose, OKU Journal of The Institute of Science and Technology, 6(Special Issue): 555-566

Prof. Dr. Zafer ASLAN

Prediction of wind speed by using machine learning, Uğur Şener, Buket İşler Kılıç, Ahmet Tokgözlü, Zafer Aslan, Springer Nature Switzerland

Estimating the Effect of TEC Data on Rain with Modelling and Wavelet Transformation Analysis, Spring Nature

Assoc. Prof. Dr. Hüseyin Çağan KILINÇ

Artificial Intelligence Review: Decision on "Predicting Total Dissolved Gas Supersaturation in Dam Reservoir: Application of Hybrid Artificial Intelligence Models based on Multiple Signal Decomposition

An Evolutionary Hybrid Method Based on Particle Swarm Optimization Algorithm and Extreme Gradient Boosting for Short-Term Streamflow Forecasting

Assist. Prof. Dr. Hakan KOMAN

A Proposal For Strengthening of RC Structures By Using High Strength Lightweight Concrete Panels and Polyurethane Binders /Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi

Improving The Behavior of RC Short Columns By Using Sifcon Coating and Rubber Dampers /International Journal of Engineering Research and Development



Assist. Prof. Dr. Hasan Volkan ORAL

The Transition among K-19 Students in the Context of Environmental Citizenship , Environment, Development and Sustainability

The Hydraulic Approach Relevant to Circularity on Sustainable Water Catchment, Springer Nature

Assist. Prof. Dr. Mahdi TABATABAEİ MALAZI

Mahdi Tabatabaei Malazi, Muharrem Hilmi Aksoy, Abdulkерim Okbaz. AN INVESTIGATION ON FLUID-STRUCTURE INTERACTION OF TWO TANDEM RECTANGULAR CYLINDERS. Applied Engineering Letters , Vol.8 No.4, 158-166 (2023)

Assist. Prof. Dr. Meral YILDIRIM YALÇIN

Kurt, A., Ozturk, E., Ozmen, D., Yildirim-Yalcin, M., Arici, M., & Toker, O. S. (2024). Microwave-modified xanthan gum: Alterations in steady and dynamic rheological behaviors. Journal of Food Process Engineering, 47(1), e14525.

Rostamabadi, H., Bist, Y., Kumar, Y., Yildirim-Yalcin, M., Ceyhan, T., & Falsafi, S. R. (2024). Cellulose nanofibers, nanocrystals, and bacterial nanocellulose: Fabrication, characterization, and their most recent applications. Future Postharvest and Food.

Assist. Prof. Dr. Seda KARATEKE

On the Approximation by Stancu-Type Bivariate Jakimovski–Leviatan–Durrmeyer Operators, Association for Women in Mathematics

Assist. Prof. Dr. Tevfik Denizhan MÜFTÜOĞLU

The Hydraulic Approach Relevant to Circularity on Sustainable Water Catchment, Springer Nature

Evaluating Rainwater Harvesting Potential of Concrete and Tile Roofings for Detached Houses in Aydın, Turkey, Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi