Res. Asst. OZAN YETKİN

Personal Information

Office Phone: +90 312 210 Extension: 2203

Email: oyetkin@metu.edu.tr

Web: http://ozanyetkin.com/

International Researcher IDs
ScholarID: ZmK_a4EAAAAJ
ORCID: 0000-0002-3843-6972
Publons / Web Of Science ResearcherID: AAZ-6494-2020
ScopusID: 000000
Yoksis Researcher ID: 302715

Education Information

Doctorate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2020 - Continues

Postgraduate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2017 - 2020

Undergraduate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2013 - 2017

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Environment and Sustainability, Performative Design Strategies for Extreme Conditions on Mars, DigitalFUTURES, 2022

Dissertations

Postgraduate, Design-Objective Space Exploration and Multi-Objective Optimization of Initial Structural Design Alternatives via Machine Learning Approach, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2020

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Evolutionary Computing, Neural Networks, Architecture, Building Information, Carrier Systems, Structural elements

Academic Titles / Tasks

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2019 - Continues

Courses

Digital Design Studio, Undergraduate
Advanced Digital Design Studio, Undergraduate
Introduction to Machine Learning in Architecture, Postgraduate
Digital Fabrication Techniques in Architecture, Postgraduate
Mathematics in Architecture, Undergraduate

Articles Published in Other Journals

I. **DEMYSTIFYING MACHINE LEARNING FOR ARCHITECTURE STUDENTS**
Sorguç A., Yemişçioğlu M. K., Yetkin O.
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.23, pp.60-67, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Demystifying Machine Learning for Architecture Students**
Sorguç A., Kruşa Yemişcioğlu M., Yetkin O.
Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Eskişehir, Turkey, 22 - 26 June 2022

II. **Is the Winter of Computational Design Tools coming?**
Sorguç A., Yetkin O., Kruşa Yemişcioğlu M.
MSTAS2020: Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Trabzon, Turkey, 24 October 2020, pp.12-20

III. **Design Space Exploration of Initial Structural Design Alternatives via Artificial Neural Networks**
Yetkin O., Sorguç A.
eCAADe (Education and research in Computer Aided Architectural Design in Europe) 2019, Porto, Portugal, 11 - 13 September 2019

IV. **A Novel Approach for Classification of Structural Elements in a 3D Model by Supervised Learning**
YETKİN O., YETİŞ G., KILIÇ Ö., MOON K.
Education and research in Computer Aided Architectural Design in Europe (eCAADe) 2018, Lodz, Poland, 19 - 21 September 2018, vol.1, pp.129-136

Supported Projects

Yetkin O., TUBITAK Project, Sustainable Housing Design Automation/Optimization/Suggestion System, 2022 - 2023
SORGUÇ A., KRUŞA YEMİŞCİOĞLU M., YETKİN O., Project Supported by Higher Education Institutions, Hesaplamalı Yöntemler ve Yapay Zeka Destekli Tasarlanmış Akustik Performatif Üretken Panel Sistemleri, 2021 - 2023
Yetkin O., TUBITAK Project, Otonom Yapı Tasarımı Sistemi, 2020 - 2021

Scientific Research / Working Group Memberships

Design Factory, Middle East Technical University, Turkey, http://tf.metu.edu.tr/, 2020 - Continues
Digital Design Studio, Middle East Technical University, Turkey, http://dds.archweb.metu.edu.tr/, 2019 - Continues

Metrics

Publication: 7
Citation (WoS): 3
Citation (Scopus): 4
H-Index (WoS): 1
H-Index (Scopus): 1

Awards

Yetkin O., Yapı Tasarım Yarışması, Çimento Endüstrisi İşverenleri Sendikası, February 2020

Entrepreneurship Activities

Anonymous, OPTIO Tasarım Teknolojileri, 24 September 2020, Co-Founder

Non Academic Experience

RMJM İstanbul
TAV İnşaat