

## Res. Asst. OZAN YETKİN

### Personal Information

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### 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

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

Sorgu A., YemiŐciođlu M. K., Yetkin O.

EskiŐehir 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

Sorgu A., KruŐa YemiŐciođlu M., Yetkin O.

Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, EskiŐehir, Turkey, 22 - 26 June 2022

### II. Is the Winter of Computational Design Tools coming?

Sorgu A., Yetkin O., KruŐa YemiŐciođlu 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., Sorgu 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., YETİŐ 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

SORGU A., KRUŐA YEMİŐCİOĐLU 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