

Res. Asst. PhD NURULLAH YÜKSEL

Personal Information

Office Phone: [+90 312 202 8502](tel:+903122028502) Extension: 28502

Email: nurullahyüksel@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/12720>

International Researcher IDs

ScholarID: TxsYCQ0AAAAJ

ORCID: 0000-0003-4593-6892

Publons / Web Of Science ResearcherID: KFR-1128-2024

ScopusID: 57209015948

Yoksis Researcher ID: 314152

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2019 - 2023

Undergraduate, Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği, Turkey 2014 - 2018

Associate Degree, Ankara University, Sağlık Hizmetleri Meslek Yüksekokulu, Anestezi, Turkey 2011 - 2013

Dissertations

Doctorate, Üretken çekışmeli ağlar ile fonksiyonel 3B tasarım varyantları üretilmesi, Gazi University, Fen Bilimleri Enstitüsü, 2023

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Neural Networks, Machine Design, Computer Aided Design and Manufacturing

Academic Titles / Tasks

Research Assistant, Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Investigation on selective laser-melted AlSi10Mg micro-struts: influence of processing parameters on dimensional accuracy, molten pool morphology and microhardness**
Eren O., Sezer H. K., Yüksel N., Bakhtarı A. R., Canyurt O. E.
RAPID PROTOTYPING JOURNAL, vol.30, no.8, pp.1556-1578, 2024 (SCI-Expanded)
- A Generative Deep Learning Approach for Improving the Mechanical Performance of Structural Components**
YÜKSEL N., BÖRKLÜ H. R.
APPLIED SCIENCES-BASEL, vol.14, no.9, 2024 (SCI-Expanded)

- III. **Deep learning-enabled design for tailored mechanical properties of SLM-manufactured metallic lattice structures**
EREN O., YÜKSEL N., BÖRKLÜ H. R., SEZER H. K., CANYURT O. E.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.130, 2024 (SCI-Expanded)
- IV. **Mechanical properties of additively manufactured lattice structures designed by deep learning**
YÜKSEL N., EREN O., BÖRKLÜ H. R., SEZER H. K.
THIN-WALLED STRUCTURES, vol.196, 2024 (SCI-Expanded)
- V. **Review of artificial intelligence applications in engineering design perspective**
YÜKSEL N., BÖRKLÜ H. R., SEZER H. K., CANYURT O. E.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2023 (SCI-Expanded)
- VI. **A practical application for machine design education**
BÖRKLÜ H. R., Yuksel N., ÇAVDAR K., SEZER H. K.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.12, no.2, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **2D LATTICE GENERATION BY COMPUTATIONAL DESIGN METHOD**
YÜKSEL N., Borklu H. R.
International Journal of 3D Printing Technologies and Digital Industry, vol.7, no.2, pp.198-203, 2023 (Peer-Reviewed Journal)
- II. **NATURE-INSPIRED DESIGN IDEA GENERATION WITH GENERATIVE ADVERSARIAL NETWORKS**
Yüksel N.
International Journal of 3D Printing Technologies and Digital Industry, vol.7, no.1, pp.47-54, 2023 (Peer-Reviewed Journal)
- III. **Yapay Zeka Destekli Kavramsal Tasarım: Tekerlekli Sandalye Tasarım Seçenekleri Değerlendirmede Bulanık Mantık Kullanımı**
YÜKSEL N., BÖRKLÜ H. R.
Gazi Mühendislik Bilimleri Dergisi, vol.7, no.3, pp.309-319, 2021 (Peer-Reviewed Journal)
- IV. **Determination of Stress Concentration Factor (Kt) for a Crankshaft under Bending Loading: An Artificial Neural Networks Approach**
Toktaş İ., Özkan M. T., Erdemir F., Yuksel N.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.23, no.3, pp.813-819, 2020 (ESCI)
- V. **Değer Mühendisliği Uygulaması: Köfte Yapma Makinası Tasarımı**
Yüksel N., Börklü H. R., Erden O.
Gazi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.95-104, 2020 (Peer-Reviewed Journal)
- VI. **An Application of Value Engineering: Meatball Making Machine Design**
Yüksel N.
Gazi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.95-104, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **2D Lattice Generation by Computational Design Method**
YÜKSEL N., BÖRKLÜ H. R.
6 th INTERNATIONAL CONGRESS ON 3D PRINTING TECHNOLOGIES AND DIGITAL INDUSTRY – 3D-PTC2022, Bucharest, Romania, 22 November 2022
- II. **Nature-Inspired Design Idea Generation with Generative Adversarial Networks**
YÜKSEL N., BÖRKLÜ H. R.
6 th INTERNATIONAL CONGRESS ON 3D PRINTING TECHNOLOGIES AND DIGITAL INDUSTRY – 3D-PTC2022,

Bucharest, Romania, 22 November 2022

III. Yeni bir kfte yapma makinasının kavramsaltasarımı

Yksel N.

The Proceedings of International Symposium on Industry 4.0 and Applications, Karabk, Turkey, 12 - 14 October 2017, pp.248-255

Supported Projects

EREN O., YKSEL N., ŐAHİN İ., Project Supported by Higher Education Institutions, Nanopartikl Takviyeli Fotopolimer Reçinelerin Dijital Işık İşleme Teknięi ile Eklemeli İmalatı, 2024 - Continues

Yksel N., Brkl H. R., TUBITAK Project, Derin Öğrenme Kullanılarak Fonksiyonel Tasarım Varyantları Geliştirilmesi, 2022 - 2024

BRKL H. R., YKSEL N., ÇUBUK E. N., GNEŐ E., SAYRACI S., ÇETİN D., KUMBASAR E., Project Supported by Higher Education Institutions, Model Uydularda Grev Yk Taşıma ve Kontroll İniş Sisteminin Geliştirilmesi, 2021 - 2022

Scientific Refereeing

POLİTEKNİK DERGİSİ, National Scientific Refreed Journal, January 2020

Metrics

Publication: 16

Citation (WoS): 73

Citation (Scopus): 21

H-Index (WoS): 4

H-Index (Scopus): 3

Non Academic Experience

SAęLIK BAKANLIęI