

Asst. Prof. RİFAT AYKUT ARAPOĞLU

Personal Information

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International Researcher IDs

ORCID: 0000-0001-5831-932X

ScopusID: 8049688300

Yoksis Researcher ID: 182208

Education Information

Doctorate, University of Pittsburgh, Mühendislik Fakültesi, Endüstri Müh. Bölümü, United States Of America 1996 - 2000

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), Turkey 1990 - 1993

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 1985 - 1990

Foreign Languages

French, C1 Advanced

English, C1 Advanced

Dissertations

Postgraduate, Mean value algorithms and heuristics for queueing networks, Middle East Technical University, Görme Engelliler Eğitimi Abd, Endüstri Mühendisliği (YI) (Tezli), 1993

Research Areas

Industrial Engineering, Stochastic Modeling, Optimization Theory and Methods, Simulation, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2018 - Continues

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2001 - 2018

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 1994 - 2001

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 1991 - 1994

Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2010 - Continues
Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2008 - Continues
Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2006 - 2009

Courses

SİSTEM TASARIMI (2. ÖĞRETİM), Undergraduate, 2017 - 2018
OLASILIK, Undergraduate, 2017 - 2018, 2016 - 2017
RASSAL MODELLER, Undergraduate, 2017 - 2018
RASSAL MODELLER (2. ÖĞRETİM), Undergraduate, 2017 - 2018
RASSAL SÜREÇLER, Doctorate, 2017 - 2018
SERVİS SİSTEMLERİ (2. ÖĞRETİM), Undergraduate, 2017 - 2018
SİSTEM TASARIMI, Undergraduate, 2017 - 2018
SİSTEM TASARIMI (2. ÖĞRETİM), Undergraduate, 2017 - 2018
SERVİS SİSTEMLERİ, Undergraduate, 2017 - 2018
İNGİLİZCE YAZIŞMA TEKNİKLERİ, Undergraduate, 2016 - 2017
KUYRUK MODELLERİ ARAŞTIRMALARI (MEZUNİYET PROJELERİ), Undergraduate, 2016 - 2017
UZMANLIK ALAN DERSİ (YL), Postgraduate, 2016 - 2017
KUYRUK MODELLERİ ARAŞTIRMASI (MEZ. PROJELERİ - 2. ÖĞRETİM), Undergraduate, 2016 - 2017
UZMANLIK ALAN DERSİ (DR), Doctorate, 2016 - 2017
BENZETİM, Undergraduate, 2016 - 2017
BENZETİM (2. ÖĞRETİM), Undergraduate, 2016 - 2017
SERİM KURAMI, Doctorate, 2016 - 2017
İNGİLİZCE YAZIŞMA TEKNİKLERİ (2. ÖĞRETİM), Undergraduate, 2016 - 2017
STOCHASTIC MODELS (ANADOLU UNIVERSITY), Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-choice conic goal programming model-based network data envelopment analysis**
Deliktaş D., Üstün Ö., Aktar Demirtaş E., Arapoğlu R. A.
RAIRO RECHERCHE OPERATIONNELLE, vol.58, pp.3391-3416, 2024 (SCI-Expanded)
- II. **Development of an ANN-based decision-making method for determining optimum parameters in turning operation**
ORAK S., ARAPOĞLU R. A., SOFUOĞLU M. A.
SOFT COMPUTING, vol.22, no.18, pp.6157-6170, 2018 (SCI-Expanded)
- III. **An ANN-Based Method to Predict Surface Roughness in Turning Operations**
ARAPÖĞLU R. A., SOFUOĞLU M. A., ORAK S.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.5, pp.1929-1940, 2017 (SCI-Expanded)
- IV. **Locating input and output points in facilities design - A comparison of constructive, evolutionary, and exact methods**
ARAPÖĞLU R. A., Norman B., Smith A.
IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION, vol.5, no.3, pp.192-203, 2001 (SCI-Expanded)
- V. **Integrated facilities design using a contour distance metric**
Norman B., ARAPOĞLU R. A., Smith A.
IIE TRANSACTIONS, vol.33, no.4, pp.337-344, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Efficiency analysis of OECD countries during COVID-19 pandemic using multi-stage DEA**
Kıdak Ş. M., Arapoğlu R. A., Aktar Demirtaş E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.29, no.5, pp.426-439, 2023 (ESCI)
- II. **MULTI OBJECTIVE OPTIMIZATION OF TURNING OPERATION USING HYBRID DECISION MAKING ANALYSIS**
Sofuoğlu M. A., Arapoğlu R. A., Orak S.
Anadolu University Journal of Science and Technology A - Applied Sciences and Engineering, vol.18, no.3, pp.595-610, 2017 (Peer-Reviewed Journal)
- III. **USE OF REGRESSION IN NOISY SPEECH RECOGNITION**
ERGİN S., ARAPOĞLU R. A.
Dumlupınar Üniversitesi Sosyal Bilimler Dergisi, pp.495-501, 2014 (Peer-Reviewed Journal)
- IV. **Integrated facility design using an evolutionary approach with a subordinate network algorithm**
Norman B. A., Smith A. E., ARAPOĞLU R. A.
PARALLEL PROBLEM SOLVING FROM NATURE - PPSN V, vol.1498, pp.937-946, 1998 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PERFORMANCE EVALUATION OF ANATOLIAN HIGH SCHOOLS IN ESKİSEHIR USING DEA**
Arapoğlu R. A.
13th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 8 - 09 June 2024, pp.684-685
- II. **Uzel H. A., Gürcü A., Arapoğlu R. A.**
10th International Congress on Engineering and Technology Management, İstanbul, Turkey, 14 - 15 October 2023, pp.217-225
- III. **Analysis of a Roadside Restaurant Using Queueing Network Models**
Arapoğlu R. A.
1st International Conference on Modern and Advanced Research, Konya, Turkey, 29 - 31 July 2023, pp.118
- IV. **A Bi-objective Optimization Model for Medical Waste Collection Problem**
Arapoğlu R. A.
EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022, pp.556-562
- V. **Time - Constrained Touristic Route Planning: The Case of Eskisehir**
Arapoğlu R. A.
4th International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 28 - 30 September 2022, pp.478-482
- VI. **Efficiency Analysis of Countries During Covid-19 Pandemic**
Kıdak Ş. M., Arapoğlu R. A., Aktar Demirtaş E.
International Symposium on Global Pandemics and Multidisciplinary Covid-19 Studies, Ankara, Turkey, 19 - 20 March 2021, pp.153
- VII. **Medical Waste Collection Problem: A Case Study in Eskişehir**
Arapoğlu R. A.
5th EurAsia Waste Management Symposium (EWMS) 2020, İstanbul, Turkey, 26 - 28 October 2020, pp.660-665
- VIII. **Productivity Improvement at Motor Vehicle Inspection Station by using Taguchi Approach**
Arapoğlu R. A.
5th EurAsia Waste Management Symposium (EWMS) 2020, İstanbul, Turkey, 26 - 28 October 2020, pp.441-445
- IX. **Evaluation of the Learning Management System Selection Criteria Using Analytic Network Process**
Arapoğlu R. A., Yıldız A.
6th International Conference on Harmony Search, Soft Computing and Applications (ICHSA 2020), İstanbul,

Turkey, 16 - 17 July 2020, pp.46

- X. **PERFORMANCE EVALUATION OF A MOTOR VEHICLE INSPECTION STATION BY USING SIMULATION**
Arapođlu R. A.
3. INTERNATIONAL 19 MAY INNOVATIVE SCIENTIFIC APPROACHES CONGRESS, Samsun, Turkey, 16 - 19 May 2020, pp.91-92
- XI. **Medical Waste Collection Problem: A Case Study in Eskisehir**
ARAPOĐLU R. A.
5th Eurasian Waste Management Symposium (EWMS), İstanbul, Turkey, 26 - 28 October 2020, pp.660-665
- XII. **Evaluation of Undergraduate Graduation Projects using Best - Worst Method**
Yıldız A., Arapođlu R. A.
39. Yöneylem Araştırması ve Endüstri Müh. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.75-76
- XIII. **Heterogeneous Fixed Fleet Vehicle Routing Problem and An Application**
Arapođlu R. A., Yıldız A.
39. Yöneylem Araştırması ve Endüstri Müh. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.57-58
- XIV. **Heterojen Filolu Açık Araç Rotalama Problemi**
ARAPOĐLU R. A., YILDIZ A.
38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi (YAEM 2018), Turkey, 26 - 29 June 2018

Supported Projects

Uzel H. A., Gürcü A., Arapođlu R. A., TUBITAK Project, Investigation of Factors Affecting Fresh Cake Shelf Life, 2021 - 2022
Orak S., Arapođlu R. A., TUBITAK Project, Tornalama İşleminde Tırlama Titreşimlerinin Deneysel-Sayısal Olarak Araştırılması Ve Tırlama Titreşimlerinin Önlenmesi , 2015 - 2016

Scientific Refereeing

ESKİŞEHİR TECHNICAL UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A- APPLIED SCIENCES AND ENGINEERING, Other Indexed Journal, July 2019

Uludağ University Journal of The Faculty of Engineering, Other Indexed Journal, November 2018

Metrics

Publication: 31

Citation (WoS): 93

Citation (Scopus): 107

H-Index (WoS): 4

H-Index (Scopus): 5

Non Academic Experience

American Greetings Co. Genel Merkezi, Cleveland, Ohio, ABD, Yarı - zamanlı (Co-Op) öğrenci (6 Ay)