

Res. Asst. TOLGA KARABAŞ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-4067-2022

ScopusID: 58059196400

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Education Information

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

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

Undergraduate Minor, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Business Administration, Turkey 2015 - 2018

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, Turkey 2012 - 2017

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, A Solution Methodology for the Unit Commitment Problem in Traditional-and-Wind Integrated Hybrid Power Systems under Supply/Demand Uncertainty and Emission Limitations, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2020

Research Areas

Energy, Industrial Engineering, Stochastic Modeling, Optimization Theory and Methods, Decision Theory, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An exact solution method and a genetic algorithm-based approach for the unit commitment problem in conventional power generation systems**

KARABAŞ T., Meral S.

Computers and Industrial Engineering, vol.176, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design of an Inventory Management System for the Purchased Materials in a Defense-Industry Company**

Karabaş T., Kırca Ö., Meral F. S., Aydın S. M., Özdemir R. O., Nartok Y. M., Karaaslan M.

Endüstri Mühendisliği, vol.28, no.3, pp.3-19, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Unit Commitment Problem: A Mixed Integer Coded Genetic Algorithm-based Approach**

Karabaş T., Meral F. S.

30th European Conference on Operational Research, Dublin, Ireland, 23 - 26 June 2019

- II. **Bir Savunma Sanayi Şirketinde Malzeme Envanter Yönetim Sisteminin Yeniden Tasarlanması**

Karabaş T., Kırca Ö., Meral F. S., Aydın S. M., Özdemir R. O., Nartok Y. M., Karaaslan M.

37. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Konferansı, İstanbul, Turkey, 5 - 07 July 2017, pp.3-19

Supported Projects

Karabaş T., Meral F. S., Yenicesu İ., Nalbantoğlu A., Çetin A. T., EU Supported Other Project, Technical Assistance for Improving the Blood Transfusion Management System in Turkey (IBTMST)), 2019 - 2022

Metrics

Publication: 4

Citation (WoS): 4

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

33th European Conference on Operational Research, Invited Speaker, Kobenhavn, Denmark, 2024

6th Annual Asset Management Forum for Distribution System Operators, Audience, Amsterdam, Netherlands, 2019

30th European Conference on Operational Research, Invited Speaker, Dublin, Ireland, 2019

37th Operations Research and Industrial Engineering National Conference, Invited Speaker, İstanbul, Turkey, 2017

Scholarships

2211A-Genel Yurt İçi Doktora Burs Programı, TUBITAK, 2020 - Continues

