

Asst. Prof. FATMA CORUT ERGİN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: Q-5916-2019

ScopusID: 27867626600

Yoksis Researcher ID: 172778

Biography

Fatma CORUT ERGİN lisans ve yüksek lisans derecelerini Marmara Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Bölümü'nden, doktora derecesini İTÜ Bilgisayar Bilimleri'nden aldı. 2013 yılında Marmara Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Bölümü'nde Dr. Öğretim Üyesi olarak çalışmaya başlamıştır. Başlıca araştırma alanları arasında metasezgiseller, optimizasyon, yapay zeka, ve algoritma tasarımı sayılabilir.

Education Information

Doctorate, Istanbul Technical University, Bilişim Enstitüsü, Bilgisayar Bilimleri, Turkey 2006 - 2012

Postgraduate, Marmara University, Faculty of Engineering, Computer Engineering, Turkey 2002 - 2005

Undergraduate, Marmara University, Faculty of Engineering, Computer Engineering, Turkey 1997 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Survivable virtual topology design in optical WDM networks using nature-inspired algorithms, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Bilgisayar Bilimleri Anabilim Dalı, 2012

Postgraduate, Parallel heuristics for location management in mobile networks, Marmara Üniversitesi, Faculty of Engineering, Computer Engineering, 2005

Research Areas

algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Science, Optimization

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Computer Engineering, 2013 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Computer Engineering, 2002 - 2013

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Engineering, Computer Engineering, 2017 - Continues

Advising Theses

Corut Ergin F., Using Data Mining Approaches with Genetic Algorithms for Breast Cancer Detection, Postgraduate, N.Rakıcı(Student), 2020

Corut Ergin F., HEURISTIC APPROACHES FOR MULTI-OBJECTIVE MULTIPLE ALLOCATION HUB LOCATION PROBLEM, Postgraduate, İ.DEMİR(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental evaluation of meta-heuristics for multi-objective capacitated multiple allocation hub location problem**
Demir İ., Kiraz B., CORUT ERGİN F.
Engineering Science and Technology, an International Journal, vol.29, 2022 (SCI-Expanded)
- II. **A New Model for the Multi-Objective Multiple Allocation Hub Network Design and Routing Problem**
Demir I., Ergin F., Kiraz B.
IEEE ACCESS, vol.7, pp.90678-90689, 2019 (SCI-Expanded)
- III. **Ensuring resilience in optical WDM networks with nature-inspired heuristics**
Corut Ergin F., Kaldırn E., Yayimli A., Uyar A. Ş.
Journal of Optical Communications and Networking, vol.2, no.8, pp.642-652, 2010 (SCI-Expanded)
- IV. **Solving the uncapacitated hub location problem using genetic algorithms**
Topcuoglu H. R., Corut F., Ermis M., Yimaz G.
COMPUTERS & OPERATIONS RESEARCH, vol.32, no.4, pp.967-984, 2005 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Survivable Cross-layer Virtual Topology Design Using A Hyper-heuristic Approach**
Corut Ergin F., Yayimli A., Uyar A. Ş.
International Conference On Transparent Optical Networks, Stockholm, Sweden, 26 - 30 June 2011
- II. **Investigation Of Hyper-heuristics For Designing Survivable Virtual Topologies In Optical Wdm Networks**
CORUT ERGİN F., UYAR A. Ş., YAYIMLI A.
European Conference On The Applications Of Evolutionary Computation, Italy, 27 - 29 April 2011
- III. **Performance Analysis of Nature Inspired Heuristics for Survivable Virtual Topology Mapping**
CORUT ERGİN F., Kaldırım E., Yayimli A., Uyar S.
IEEE Global Telecommunications Conference (GLOBECOM 09), Hawaii, United States Of America, 30 November - 04 December 2009, pp.997-1002
- IV. **Ant Colony Optimization For Survivable Virtual Topology Mapping In Optical Wdm Networks**
Kaldırım E., CORUT ERGİN F., UYAR A. Ş., YAYIMLI A.
Computer And Information Sciences, Cyprus (Kktc), 14 - 16 September 2009
- V. **An Evolutionary Algorithm For Survivable Virtual Topology Mapping In Optical Wdm Networks**
CORUT ERGİN F., YAYIMLI A., UYAR A. Ş.

Metrics

Publication: 9

Citation (WoS): 129

Citation (Scopus): 149

H-Index (WoS): 3

H-Index (Scopus): 2