

Asst. Prof. FATMA CORUT ERGİN

Personal Information

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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

Post Graduate, Marmara University, Faculty of Engineering, Computer Engineering, Turkey 2002 - 2005

Under Graduate, 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

Post Graduate, Parallel heuristics for location management in mobile networks, Marmara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 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

Professional Experience

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

Advising Theses

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **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 (Journal Indexed in SCI)
- **Ensuring resilience in optical WDM networks with nature-inspired heuristics**
Corut Ergin F., Kaldırım E., Yayimli A., Uyar A. Ş.
Journal of Optical Communications and Networking, vol.2, pp.642-652, 2010 (Journal Indexed in SCI)
- **Solving the uncapacitated hub location problem using genetic algorithms**
Topcuoglu H. R. , Corut F., Ermis M., Yılmaz G.
COMPUTERS & OPERATIONS RESEARCH, vol.32, pp.967-984, 2005 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **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
- **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
- **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
- **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 (Kkct), 14 - 16 September 2009
- **An Evolutionary Algorithm For Survivable Virtual Topology Mapping In Optical Wdm Networks**
CORUT ERGİN F., YAYIMLI A., UYAR A. Ş.
European Conference On The Applications Of Evolutionary Computation, Germany, 15 - 17 April 2009

Citations

Total Citations (WOS):109

h-index (WOS):3