

## Asst. Prof. ALİ HAYDAR ÖZER

### Personal Information

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### Biography

Dr. Özer received his Ph.D. degree in computer engineering from Boğaziçi University in 2011, and since that time he has been a faculty member in the Department of Computer Engineering at Marmara University. His research spans several fields, including electronic market design, auctions and barter exchanges, cloud computing, combinatorial optimization and heuristic design.

### Education Information

Doctorate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2004 - 2011

Post Graduate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Y) (Tezli), Turkey 2002 - 2004

Under Graduate, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1997 - 2002

### Foreign Languages

English, C2 Proficiency

### Dissertations

Doctorate, Auction and barter models for electronic markets, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2011

Post Graduate, Combinatorial auction based resource co-allocation model for grids, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Y) (Tezli), 2004

### Research Areas

Computer Sciences, Computer Learning, Evolutionary Computing

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Computer Engineering, 2011 - Continues

Research Assistant, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2002 - 2011

### Professional Experience

İntibak Komisyonu Başkanı, Marmara University, Faculty of Engineering, Computer Engineering, 2015 - Continues

Mevlana Exchange Program Coordinator, Marmara University, Faculty of Engineering, Computer Engineering, 2014 - Continues

Farabi Coordinator, Marmara University, Faculty of Engineering, Computer Engineering, 2014 - Continues

Erasmus Coordinator, Marmara University, Faculty of Engineering, Computer Engineering, 2012 - Continues

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

- **A double auction based mathematical market model and heuristics for internet-based secondhand durable good markets**  
ÖZER A. H.  
COMPUTERS & OPERATIONS RESEARCH, vol.111, pp.116-129, 2019 (Journal Indexed in SCI)
- **A direct barter model for course add/drop process**  
ÖZER A. H. , ÖZTURAN C.  
DISCRETE APPLIED MATHEMATICS, vol.159, pp.812-825, 2011 (Journal Indexed in SCI)
- **Multi-unit differential auction-barter model for electronic marketplaces**  
ÖZER A. H. , ÖZTURAN C.  
ELECTRONIC COMMERCE RESEARCH AND APPLICATIONS, vol.10, pp.132-143, 2011 (Journal Indexed in SCI)
- **A model and heuristic algorithms for multi-unit nondiscriminatory combinatorial auction**  
ÖZER A. H. , ÖZTURAN C.  
COMPUTERS & OPERATIONS RESEARCH, vol.36, pp.196-208, 2009 (Journal Indexed in SCI)
- **Sarcococcygeal hydatid cyst: Another entity in the differential diagnosis of sarcococcygeal chordoma. Case report**  
Yegen C., ÖZER A. H. , Aktan A., Yalın R.  
Paraplegia, vol.31, pp.479-481, 1993 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- **An Auction Based Mathematical Model for Energy-Aware Virtual Machine Allocation in Clouds**  
Gamsız M., Özer A. H.  
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.574-579
- **An Electronic Market Model with Mathematical Formulation and Heuristics for Large-Scale Book Trading**  
ÖZER A. H.  
Federated Conference on Computer Science and Information Systems (FedCSIS), Prague, Czech Republic, 3 - 06 September 2017, pp.459-467
- **Double Auction with Limited Cover Money Model**  
ÖZER A. H.  
13th Cologne-Twente Workshop on Graphs Combinatorial Optimization, İstanbul, Turkey, 26 - 27 May 2015
- **An Electronic Market Model for Secondary Markets**  
ÖZER A. H.  
EURO INFORMS 26TH EUROPEAN CONFERENCE ON OPERATIONAL RESEARCH, Roma, Italy, 1 - 04 July 2013
- **An auction based mathematical model and heuristics for resource co allocation problem in grids and clouds**  
ÖZER A. H. , ÖZTURAN C.  
2009 Fifth International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, Famagusta, Cyprus (Kkctc), 2 - 04 September 2009, pp.1-4

## Supported Projects

Özer A. H. , TUBITAK Project, Energy-Aware Combinatorial Resource Allocation and Scheduling Models for Cloud Computing, 2019 - 2022

Özer A. H. , Project Supported by Higher Education Institutions, Double Auction Model with Budget Constraints for Electronic Marketplaces, 2012 - 2014

Halilođlu T., EU Framework Program Project, COSBIOM Towards Excellence in Computational Structural Biology and Projects Biomaterial, 2005 - 2009

## **Citations**

Total Citations (WOS):27

h-index (WOS):3

## **Scholarships**

Research Scholarship for PhD Students, TUBITAK, 2004 - 2011

## **Awards**

Özer A. H. , Lisans Öğrencileri Yazılım Projesi Yarışması - Danışman Ödülü, Tübitak, October 2015

Özer A. H. , Serhat Özyar Young Scientist of the Year Honor Award, Emo, Odtü Öğretim Elemanları Derneđi Ve Bilim Ve Ütopya Kooperatifi, June 2012