

## **Asst. Prof. Mehmet Akif Yazıcı**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: 6C5KrGYAAAAJ

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Publons / Web Of Science ResearcherID: AAJ-3532-2020

ScopusID: 57193393173

Yoksis Researcher ID: 198545

### **Education Information**

Doctorate, İhsan Doğramacı Bilkent University, Institute Of Engineering And Natural Sciences, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2007 - 2014

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Ve Elektronik Mühendisliği (Yl) (Tezli), Turkey 2004 - 2006

Undergraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2000 - 2004

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Stochastic modeling with continuous feedback Markov fluid queues, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2014

Postgraduate, Performance analysis of a power aware routing protocol for ad hoc networks, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (Yl) (Tezli), 2006

### **Research Areas**

Information Systems, Communication and Control Engineering, Communication Engineering, Communication Networks, Wireless Communication, Computer Sciences, Computer Networks, Communications and Network Protocols, Industrial Engineering , Stochastic Modeling, Queueing Theory and Applications, Stochastic Processes, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Istanbul Technical University, Bilişim Enstitüsü, Bilişim Uygulamaları, 2016 - Continues

## Advising Theses

Yazıcı M. A., An adaptive offloading decision scheme in two-class mobile edge computing systems, Postgraduate, K.HASAN(Student), 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Next-Generation Payment System for Device-to-Device Content and Processing Sharing**  
Kihtir F., Yazıcı M. A., Oztoprak K., Alpaslan F. N.  
SENSORS, vol.22, no.7, 2022 (SCI-Expanded)
- II. **Cyber security for fog-based smart grid SCADA systems: Solutions and challenges**  
Ferrag M. A., Babaghayou M., Yazıcı M. A.  
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, vol.52, 2020 (SCI-Expanded)
- III. **Performance modeling of QoS differentiation in optical packet switching via FDL access limitation**  
Yazıcı M. A., AKAR N.  
PHOTONIC NETWORK COMMUNICATIONS, vol.34, no.3, pp.344-355, 2017 (SCI-Expanded)
- IV. **The finite/infinite horizon ruin problem with multi-threshold premiums: a Markov fluid queue approach**  
Yazici M. A., Akar N.  
ANNALS OF OPERATIONS RESEARCH, vol.252, no.1, pp.85-99, 2017 (SCI-Expanded)
- V. **Running Multiple Instances of the Distributed Coordination Function for Air-Time Fairness in Multi-Rate WLANs**  
Yazici M. A., Akar N.  
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.61, no.12, pp.5067-5076, 2013 (SCI-Expanded)
- VI. **The workload-dependent MAP/PH/1 queue with infinite/finite workload capacity**  
Yazici M. A., Akar N.  
PERFORMANCE EVALUATION, vol.70, no.12, pp.1047-1058, 2013 (SCI-Expanded)

## Memberships / Tasks in Scientific Organizations

IEEE Communications Society, Member, 2009 - Continues

The Institute of Electrical and Electronics Engineers (IEEE), Member, 2001 - Continues

## Scientific Refereeing

Journal of Network and Computer Applications, SCI Journal, July 2017

IEEE Transactions on Communications, SCI Journal, October 2015

Optical Switching and Networking, SCI Journal, September 2014

International Journal of Computer Mathematics, SCI Journal, May 2014

IEEE Transactions on Communications, SCI Journal, November 2013

## Metrics

Publication: 25

Citation (WoS): 13

Citation (Scopus): 25

H-Index (WoS): 2

H-Index (Scopus): 3

## Congress and Symposium Activities

International Black Sea Conference on Communications and Networking, Attendee, Turkey, 2017

Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Attendee, Antalya, Turkey, 2017

IEEE 35th International Performance Computing and Communications Conference (IPCCC), Attendee, Nevada, United States Of America, 2016

Young European Queueing Theorists Workshop (YEQT), Attendee, Eindhoven, Netherlands, 2015

International Teletraffic Congress (ITC), Attendee, Gent, Belgium, 2015

18th INFORMS Applied Probability Conference, Attendee, İstanbul, Turkey, 2015

First European Conference on Queueing Theory, Attendee, Gent, Belgium, 2014

International Teletraffic Congress (ITC), Attendee, Shanghai, China, 2013

Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Attendee, Girne, Cyprus (Kktc), 2013

Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Attendee, Aydın, Turkey, 2008