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Personal Information

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Education Information

Doctorate, Université Paris VI, Telecom Sudparis, Réseaux Et Services De Télécommunications (Networks And Services Department), France 2009 - 2014

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Bilgisayar Mühendisliği, Turkey 2007 - 2012

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Bilgisayar Mühendisliği, Turkey 2005 - 2007

Undergraduate, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Getting Published in International Journals: Strategies and Practices for Success, İstanbul Ticaret Üniversitesi, 2011

Dissertations

Doctorate, Bandwidth Allocation and Energy Efficiency Solutions in Optical Access Networks , Université Paris VI, Telecom Sudparis, Département "Réseaux Et Services De Télécommunications" ("Networks And Services" Department), 2014

Doctorate, Gelecek Nesil Pasif Optik Erişim Ağlarının Analizi, Istanbul University, Institute of Graduate Studies In Sciences, Bilgisayar Mühendisliği, 2012

Postgraduate, Tam Optik Ağlarda anahtarlama Teknikleri, Istanbul University, Institute of Graduate Studies In Sciences, Bilgisayar Mühendisliği, 2007

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Telecommunication Applications, Computer Sciences, Computer Networks, Communications and Network Protocols, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues
Assistant Professor, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - 2018
Research Assistant PhD, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2012 - 2017
Research Assistant, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2005 - 2012

Courses

Introduction to Algorithms, Undergraduate, 2017 - 2018
Mobile Programming, Undergraduate, 2017 - 2018
Ağ Programlama, Undergraduate, 2016 - 2017
Introduction to Programming, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new dynamic bandwidth allocation algorithm based on online-offline mode for EPON**
Turna O. C., Aydın M. A., Zaim A. H., Atmaca T.
OPTICAL SWITCHING AND NETWORKING, vol.15, pp.29-43, 2015 (SCI-Expanded)
- II. **A performance comparison of OPS with variable-size packets and OBS**
Aydın M. A., Atmaca T., Turna O. C., Zaim H., Eido T.
OPTICAL SWITCHING AND NETWORKING, vol.7, no.2, pp.85-94, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Performance Analysis of the Signaling Channels of OBS Switches**
Yahyagil H., ZAIM A. H., AYDIN M. A., TURNA Ö. C.
International Journal of Computer Science Issues, vol.7, no.5, pp.296-301, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Dynamic Energy Efficient Optical Line Terminal Design for Optical Access Network**
Turna O. C., Aydın M. A., Atmaca T.
22nd International Conference on Computer Networks (CN), Brunow, Poland, 16 - 19 June 2015, vol.522, pp.260-269
- II. **A framework for modeling and implementing QoS-aware Load Balancing solutions in WiFi Hotspots**
Erturk M. A., Vollero L., Aydın M. A., Turna O. C., Bernaschi M.
11th IEEE International Symposium on Wireless Communications Systems (ISWCS), Barcelona, Spain, 26 - 29 August 2014, pp.33-38
- III. **A Novel OLT Based Energy Efficiency Algorithm in TDM Passive Optical Networks**
TURNA Ö. C., AYDIN M. A., ATMACA T.
Performance and Security Modelling & Evaluation of Cooperative Heterogeneous Networks (HET-NETs), Bath, Yorkshire, United Kingdom, 11 - 13 November 2013
- IV. **Half Cycling Dynamic Bandwidth Allocation with Prediction on EPON**
Turna O. C., Aydın M. A., ZAIM A. H., Atmaca T.
17th IEEE Symposium on Computers and Communications (ISCC), Turkey, 1 - 04 July 2012, pp.898-902
- V. **What is the Traffic Characterization on EPON's Upstream Channel?**
TURNA Ö. C., AYDIN M. A., ATMACA T., ZAIM A. H.
The First International Conference on Networking and Future Internet, Paris, France, 5 - 06 April 2011

- VI. **A Prediction Extension for Half Cycling Dynamic Bandwidth Allocation on EPON**
TURNA Ö. C., AYDIN M. A., ATMACA T., ZAİM A. H.
Euro-NF International Workshop on Traffic and Congestion Control for the Future Internet, Volos, Greece, 31 March - 01 April 2011, pp.19
- VII. **Pasif Optik Ağlar ve WDM-PON Gelişimi**
KANMAZ M., AYDIN M. A., TURNA Ö. C.
Akademik Bilişim 2011, Malatya, Turkey, 2 - 04 February 2011, pp.295-300
- VIII. **Bilgiye Erişim Sistemlerinde Veri Arama ve Eşleştirme**
YÜKSEL M. E., TURNA Ö. C., Ertürk M. A.
Akademik Bilişim, Muğla, Turkey, 10 - 12 February 2010
- IX. **A Novel Dynamic Bandwidth Allocation Algorithm Based on Half Cycling for EPON**
Turna O. C., Aydın M. A., Atmaca T., Zaim A. H.
2nd International Conference on Emerging Network Intelligence (EMERGING), Florence, Italy, 25 - 30 October 2010, pp.38-43
- X. **A performance comparison according to number of wavelengths and topologies on PCSA reservation mechanism for OBS**
AYDIN M. A., TURNA Ö. C., ZAİM A. H., ATMACA T.
International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 5 - 08 October 2009, vol.2, pp.186-190
- XI. **Pasif Optik Erişim Ağlarının Gelişimi**
TURNA Ö. C., AYDIN M. A., ZAİM A. H.
Akademik Bilişim, Şanlıurfa, Turkey, 11 - 13 February 2009, pp.677-682
- XII. **Optik Çoğuşma ve Paket Anahtarlama Tekniklerinin Karşılaştırılması**
AYDIN M. A., TURNA Ö. C., ZAİM A. H.
Akademik Bilişim, Şanlıurfa, Turkey, 11 - 13 February 2009, pp.663-670
- XIII. **Performance Study of New OBS Channel Scheduling Algorithms in a Multiservice Network**
Aydın M. A., Atmaca T., Turna O. C., Zaim H.
5th International Conference on Networking and Services (ICNS), Valencia, Spain, 20 - 25 April 2009, pp.242-243
- XIV. **Optik Çoğuşma Anahtarlama Ağlarda Çoğuşma Oluşturma Yöntemlerinin Başarıma Etkisi**
AYDIN M. A., ZAİM A. H., TURNA Ö. C.
Elektrik - Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008
- XV. **Performance study of OBS reservation protocols**
AYDIN M., Atmaca T., Zaim H., Turna O., Nguyen V.
4th Advanced International Conference on Telecommunications, AICT 2008, Athens, Greece, 8 - 13 June 2008, pp.428-433
- XVI. **OBS Rezervasyon Yöntemlerinin Karşılaştırmalı Performans Analizi**
AYDIN M. A., ZAİM A. H., TURNA Ö. C.
Akademik Bilişim, Çanakkale, Turkey, 1 - 04 June 2008, pp.1

Supported Projects

AYDIN M. A., ERTÜRK M. A., GÜRKAY AYDIN G. Z., TURNA Ö. C., DURUKAN ODABAŞI Ş., BÜYÜKAKKAŞLAR M. T., Project Supported by Higher Education Institutions, LoRaWAN Gelecek Nesil LPWAN Teknoloji Analizi, 2017 - 2018

AYDIN M. A., KIRCI P., GÜRKAY AYDIN G. Z., TURNA Ö. C., ÜSTEBAY S., KANMAZ M., GÜMÜŞ E., Project Supported by Higher Education Institutions, Etkin Kullanıcı Hareketliliği ile Kesin Konumlandırma, 2013 - 2016

TURNA Ö. C., Project Supported by Higher Education Institutions, Optik Erişim Ağları için Dinamik Enerji Verimliliği Sağlayan Optik Hat Sonlandırıcı Tasarımı, 2015 - 2015

AYDIN M. A., TURNA Ö. C., Project Supported by Higher Education Institutions, Pasif Optik Erişim Ağlarında Enerji Verimliliği Araştırması, 2013 - 2015

Scientific Refereeing

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, April 2015

Optical Switching and Networking, SCI Journal, April 2014

Metrics

Publication: 19

Citation (WoS): 25

Citation (Scopus): 40

H-Index (WoS): 3

H-Index (Scopus): 4

Scholarships

2211 - Yurt İi Lisansüstü Burs Programı, TUBITAK, 2007 - Continues

2210 Yurt İi Yüksek Lisans Burs Programı, TUBITAK, 2005 - Continues

Awards

TURNA Ö. C., Best Paper Award, International Academy, Research and Industry Assosiation, October 2010