

## Asst. Prof. Haydar Çukurtepe

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-4670-4877

Publons / Web Of Science ResearcherID: C-9262-2014

ScopusID: 24450145800

Yoksis Researcher ID: 339777

### Biography

He worked at Information Systems positions in the Turkish Armed Forces for many year.

He received his Ph.D. in Computer Engineering at Istanbul Technical University in 2014. He studied at University of California-Davis, Computer Networks Laboratory as a visiting researcher, in 2011. He received M.S. in Computer Engineering at Aeronautics and Space Technologies Institute (ASTIN) of Air Force Military Academy in 2005 and his bachelor's degree is in System Engineering at Turkish Military Academy in 1997.

### Academic Titles / Tasks

Assistant Professor, TED University, Faculty of Engineering, Department of Software Engineering, 2021 - Continues

### Academic and Administrative Experience

Internship Coordinator of Software Engineering Department, 2022 - Continues

### Courses

Software Engineering, Undergraduate, 2021 - 2022

Fundamentals of Programming II, Undergraduate, 2021 - 2022

Software Engineering, Undergraduate, 2021 - 2022

Fundamentals of Programming II, Undergraduate, 2021 - 2022

Information Security and Cryptography, Undergraduate, 2021 - 2022

Design and Analysis of Algorithms, Postgraduate, 2021 - 2022

Fundamentals of Programming I, Undergraduate, 2020 - 2021

Relational Databases, Undergraduate, 2020 - 2021

Information Security and Cryptography, Undergraduate, 2020 - 2021, 2019 - 2020

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

1. Impairment-aware dynamic lightpath provisioning in mixed-line-rate networks

- Çukurtepe H., Tornatore M., Yayimli A., Mukherjee B.  
Optical Switching and Networking, vol.18, no.P2, pp.191-200, 2015 (SCI-Expanded)
- II. **Impairment-aware lightpath provisioning using inverse multiplexing in mixed-line-rate networks**  
Çukurtepe H., Yayimli A., Mukherjee B.  
Optical Switching and Networking, vol.11, no.PART A, pp.44-52, 2014 (SCI-Expanded)
- III. **Provisioning of dynamic traffic in mixed-line-rate optical networks with launch power determination**  
Çukurtepe H., Tornatore M., Yayimli A., Mukherjee B.  
Photonic Network Communications, vol.27, no.3, pp.154-166, 2014 (SCI-Expanded)
- IV. **Towards space traffic management system**  
Çukurtepe H., AKGÜN İ.  
Acta Astronautica, vol.65, no.5-6, pp.870-878, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **EVALUATING OPTICAL NETWORKS' BUSINESS MODEL**  
Çukurtepe H., KURNAZ S., ŞAHİN A. B.  
JOURNAL OF AERONAUTICS AND SPACE TECHNOLOGIES, vol.2, pp.43-51, 2005

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of Location Spoofing Threats on E-Scooter Sharing E-Scooter Paylaşım Sistemi'nde Konum Yaniltma Tehditlerinin Analizi**  
Yilmaz A. S., Çukurtepe H., Kuğu E.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- II. **Dynamic traffic provisioning in Mixed-Line-Rate networks with launch power determination**  
Çukurtepe H., Tornatore M., Yayimli A., Mukherjee B.  
2013 15th International Conference on Transparent Optical Networks, ICTON 2013, Cartagena, Spain, 23 - 27 June 2013
- III. **Impairment-aware lightpath provisioning in mixed line rate networks**  
Çukurtepe H., Tornatore M., Yayimli A., Mukherjee B.  
2012 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2012, Bangalore, India, 16 - 19 December 2012, pp.18-23
- IV. **Inverse multiplexing gain considering physical layer impairments in mixed line rate networks**  
Çukurtepe H., Yayimli A., Mukherjee B.  
17th IEEE Symposium on Computers and Communication, ISCC 2012, Cappadocia, Turkey, 1 - 04 July 2012, pp.219-224
- V. **Space Traffic Management System: Challenges and prospects**  
AKGÜN İ., Çukurtepe H., Ince F.  
3rd International Conference on Recent Advances in Space Technologies, RAST 2007, İstanbul, Turkey, 14 - 16 June 2007, pp.97-102
- VI. **A REQUIRED LEVEL FOR OPTICAL NETWORKS BUSINESS MODEL: INTEGRATED NEUTRAL TOPOLOGY OPTIMIZER (INTO)**  
Çukurtepe H., KURNAZ S., SAHIN A. B.  
New Trends in Computer Networks - 20th International Symposium on Computer and Information Sciences (ISCIS'05)

## **Scientific Refereeing**

COMPUTER NETWORKS, February 2021

PHOTONIC NETWORK COMMUNICATIONS, August 2015

## **Tasks In Event Organizations**

ÇUKURTEPE H., TEDU400- Cyber Attacks and Modern Defense Approaches, Haziran 2021

## **Scientific Research / Working Group Memberships**

Havelsan Cyber Range, 2021 - 2021