

## Asst. Prof. ÖZNUR ŞENGEL

### Personal Information

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### International Researcher IDs

ScholarID: ViHQ0bwAAAAJ

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Publons / Web Of Science ResearcherID: AAH-3401-2019

ScopusID: 57192914291

Yoksis Researcher ID: 312383

### Education Information

Doctorate, İstanbul University-Cerrahpaşa, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2015 - 2020

Postgraduate, İstanbul Kultur University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2010 - 2013

Undergraduate, İstanbul Kultur University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Pr. (İngilizce), Turkey 2004 - 2009

### Dissertations

Doctorate, Mobil ödeme sistemlerinde kişisel verilerin güvenli saklanması için model tasarımı ve performans analizi, İstanbul University-Cerrahpaşa, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği (Dr), 2020

Postgraduate, Network coding for multi-state video transmission, İstanbul Kultur University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2013

### Research Areas

Information Security and Reliability

### Academic Titles / Tasks

Assistant Professor, İstanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues

Research Assistant, İstanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2010 - 2021

### Academic and Administrative Experience

Faculty Board Member, İstanbul Kultur University, Mühendislik Fakültesi, 2022 - Continues

Akademik Danışmanlık, İstanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2013 - Continues

Curriculum Preparation Committee Member, İstanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2023

Adaptation/Exemption Committee Member, İstanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği,

2021 - 2023

Deputy Head of Department, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2023  
Program Accreditation-Self-Assessment Committee Member, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2023

Member of Department Quality Commission, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2021

Uzaktan Öğretim Koordinatörü ve İKÜ CATS ve Dijital İçerik Sorumlusu, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - 2021

UniDocs Anahtar Kullanıcı, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - 2021

Exam Program Preparation Commission Member, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2021

Web Sorumlusu, Istanbul Kultur University, Mühendislik Fakültesi, 2011 - 2021

Curriculum Preparation Committee Member, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2017

Ders Yönetim Sistemi Sorumlusu, Istanbul Kultur University, Mühendislik Fakültesi, 2011 - 2014

Curriculum Preparation Committee Member, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2011 - 2012

## **Courses**

Graduate Project, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Programming I, Undergraduate, 2022 - 2023, 2021 - 2022

Cryptography, Undergraduate, 2022 - 2023, 2021 - 2022

Programming II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2014 - 2015, 2013 - 2014

Undergraduate, 2022 - 2023

Network Security, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Undergraduate, 2022 - 2023

Bilgi Sistemleri Güvenliği, Postgraduate, 2022 - 2023, 2021 - 2022

Bilgisayar ve Ağ Güvenliği, Postgraduate, 2022 - 2023, 2021 - 2022

Information Security Management, Postgraduate, 2021 - 2022

Operating Systems, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Computer Networks, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Software Engineering, Undergraduate, 2017 - 2018

Database Design and Development, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Parallel and Distributed Systems, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

System Analysis and HCI Design, Undergraduate, 2014 - 2015, 2013 - 2014

Database Management Systems, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011

Introduction to Computer Engineering, Undergraduate, 2012 - 2013

Computer Graphics, Undergraduate, 2011 - 2012

Special Topics for Computer Engineering: Social Network, Undergraduate, 2011 - 2012

Computer Programming, Undergraduate, 2010 - 2011

Multimedia Compression and Processing, Undergraduate, 2010 - 2011

## **Advising Graduates (Non-Thesis)**

Şengel Ö., A SOCIAL ENGINEERING EXPERIMENT: KEYLOGGER AND PHISHING ATTACK, Masters (Non-Thesis), F.BURAK(Student), 2023

Şengel Ö., GEOMETRIC SHAPE RECOGNITION WITH CONVOLUTIONAL NEURAL NETWORKS, Masters (Non-Thesis),

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

- I. **An Efficient Generation and Security Analysis of Substitution Box Using Fingerprint Patterns**  
ŞENGEL Ö., AYDIN M. A., SERTBAŞ A.  
IEEE ACCESS, vol.8, pp.160158-160176, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determining the Cryptography Algorithm and Model for Mobile Payment Systems**  
ŞENGEL Ö., AYDIN M., Sertbas A.  
Acta Infologica, vol.4, no.1, pp.21-33, 2020 (Peer-Reviewed Journal)
- II. **Nakit Paradan Akıllı ve Güvenli Mobil Cihaza**  
ŞENGEL Ö.  
Herkese Bilim Teknoloji, no.53, 2017 (Non Peer-Reviewed Journal)
- III. **Wavelength Division Multiplexing And Energy Efficiency**  
ŞENGEL Ö., AYDIN M. A.  
The Online Journal of Science and Technology, vol.6, no.4, pp.58-65, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Sentiment Analysis of Tweets on Online Education during COVID-19**  
Yildirim E., Yazgan H., Özbek O., Günay A. C., Kocaçınar B., Şengel Ö., Patlar Akbulut F.  
in: Artificial Intelligence Applications and Innovations , Ilias Maglogiannis,Lazaros Iliadis,John MacIntyre,Manuel Dominguez, Editor, Springer, London/Berlin , Leon, pp.240-251, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sentiment Analysis of Tweets on Online Education during COVID-19**  
YILDIRIM E., Yazgan H., Özbek O., Günay A. C., KOCAÇINAR B., ŞENGEL Ö., Akbulut F. P.  
19th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2023, Leon, Spain, 14 - 17 June 2023, vol.675 IFIP, pp.240-251
- II. **Comparison of Lung Cancer Detection Algorithms**  
Gunaydin O., Gunay M., ŞENGEL Ö.  
International Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science (EBBT), İstanbul, Turkey, 24 - 26 April 2019
- III. **A Survey on White Box Cryptography Model for Mobile Payment Systems**  
ŞENGEL Ö., AYDIN M. A., SERTBAŞ A.  
1st International Telecommunications Conference (ITelCon), İstanbul, Turkey, 28 - 29 December 2017, pp.215-225
- IV. **Comparison of Cryptography Algorithms for Mobile Payment Systems**  
ŞENGEL Ö., AYDIN M. A., SERTBAŞ A.  
International Conference on Cyber Security and Computer Science, Karabük, Turkey, 18 - 20 October 2018
- V. **Determining the Cryptography Algorithm and Model for Mobile Payment Systems**  
ŞENGEL Ö., AYDIN M. A., SERTBAŞ A.  
International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation, İstanbul, Turkey, 4 - 06 October 2018
- VI. **Ağ Kodlama ile Çoklu Durum Video İletimi**

ŞENGEL Ö., EKMEKÇİ FLIERL S.

26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 2 - 05 May 2018

**VII. MULTI-STATE VIDEO TRANSMISSION WITH NETWORK CODING**

ŞENGEL Ö., Ekmekci Flierl S.

26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

**VIII. Path-based Connectivity for Clustering Genome Sequences**

ŞENGEL Ö., Kursun O.

38th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Florida, United States Of America, 16 - 20 August 2016, pp.3092-3095

**IX. Wavelength Division Multiplexing And Energy Efficiency**

ŞENGEL Ö., AYDIN M. A.

International Science and Technology Conference, St.Petersburg, Russia, 2 - 04 September 2015

**X. Assistant Assignment to Final Exams**

ŞENGEL Ö., GÜNAY M.

Conference of the International Federation of Operational Research Societies (IFORS 2014), Barcelona, Spain, 13 - 18 July 2014

## Scientific Refereeing

El-Cezeri Journal of Science and Engineering, National Scientific Refreed Journal, September 2022

## Metrics

Publication: 15

Citation (WoS): 20

Citation (Scopus): 55

H-Index (WoS): 3

H-Index (Scopus): 3