

## Lect. PhD Hakan Can Altunay

### Personal Information

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### International Researcher IDs

ScholarID: 2eIAi1wAAAAJ

ORCID: 0000-0002-0175-239X

Publons / Web Of Science ResearcherID: IZQ-3309-2023

ScopusID: 57250610000

Yoksis Researcher ID: 25715

### Education Information

Doctorate, Karabuk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü,  
Turkey 2019 - 2023

Postgraduate, Sakarya University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi  
Bölümü, Turkey 2010 - 2014

Undergraduate, Sakarya University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi  
Bölümü, Turkey 2002 - 2006

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, DEEP LEARNING BASED-INTRUSION DETECTION SYSTEM DESIGN FOR CRITICAL INFRASTRUCTURE,  
Karabuk University, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği, 2023

Postgraduate, Türkiye Örneğinde İnternet Ağ Altyapısının Tıkanıklık Analizi, Sakarya University, Teknik Eğitim Fakültesi,  
Elektronik Ve Bilgisayar Eğitimi Bölümü, 2014

### Research Areas

Information Security and Reliability, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and  
Technology

### Academic Titles / Tasks

Lecturer, Ondokuz Mayıs University, Çarşamba Ticaret Borsası Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü,

2010 - Continues

## Academic and Administrative Experience

Assistant Director of Vocational School, Ondokuz Mayıs University, Çarşamba Ticaret Borsası Meslek Yüksekokulu,  
Bilgisayar Teknolojileri Bölümü, 2023 - Continues  
Ondokuz Mayıs University, 2011 - 2021

## Courses

Programmming and Algorithms-2, Undergraduate, 2023 - 2024  
Bilgisayar Destekli Grafik Tasarımı, Undergraduate, 2023 - 2024  
Nesne Tabanlı Programlama II, Associate Degree, 2020 - 2021  
Bilgisayar Ağlarının Programlanması, Associate Degree, 2020 - 2021  
Nesne Tabanlı Programlama I, Associate Degree, 2020 - 2021  
Programlama Temelleri, Associate Degree, 2020 - 2021  
Güvenlik Duvarı Çözüm Uygulamaları, Associate Degree, 2020 - 2021  
İleri Ağ Teknolojileri, Associate Degree, 2020 - 2021

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

- I. **A hybrid CNN+LSTM-based intrusion detection system for industrial IoT networks**  
Altunay H. C., Albayrak Z.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.38, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Network Intrusion Detection Approach Based on Convolutional Neural Network**  
ALTUNAY H. C., ALBAYRAK Z.  
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.26, pp.22-29, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **BGP Anomali Tespitinde Hibrit Model Yaklaşımı**  
Uluer A. F., Albayrak Z., Ozalp A. N., Cakmak M., Altunay H. C.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- II. **Analysis of Anomaly Detection Approaches Performed through Deep Learning Methods in SCADA Systems**  
Altunay H. C., Albayrak Z., Ozalp A. N., Cakmak M.  
3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2021, Ankara, Turkey, 11 - 13 June 2021

## Scientific Refereeing

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, August 2024

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Journal Indexed in SCI-E, August 2024  
IEEE ACCESS, Journal Indexed in SCI-E, August 2024  
FUTURE GENERATION COMPUTER SYSTEMS, Journal Indexed in SCI-E, August 2024  
IEEE ACCESS, Journal Indexed in SCI-E, July 2024  
IEEE ACCESS, Journal Indexed in SCI-E, July 2024  
IEEE ACCESS, Journal Indexed in SCI-E, July 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, July 2024  
IEEE ACCESS, Journal Indexed in SCI-E, July 2024  
APPLIED INTELLIGENCE, Journal Indexed in SCI-E, July 2024  
APPLIED INTELLIGENCE, Journal Indexed in SCI-E, July 2024  
IEEE ACCESS, Journal Indexed in SCI-E, July 2024  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Journal Indexed in SCI-E, July 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, June 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, June 2024  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, June 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, June 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, May 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, May 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, May 2024  
FUTURE GENERATION COMPUTER SYSTEMS, Journal Indexed in SCI-E, May 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, May 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, May 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, May 2024  
IEEE ACCESS, Journal Indexed in SCI-E, May 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, April 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, April 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, March 2024  
Digital Communications and Networks, Journal Indexed in SCI-E, March 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, March 2024  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Journal Indexed in SCI-E, March 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, February 2024  
Black Sea Journal of Engineering and Science, Other Indexed Journal, February 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, February 2024  
INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Other Indexed Journal, February 2024  
INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Other Indexed Journal, February 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, February 2024  
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, January 2024  
Balkan Journal of Electrical and Computer Engineering, National Scientific Refreed Journal, January 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, January 2024  
Black Sea Journal of Engineering and Science, National Scientific Refreed Journal, January 2024  
KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, December 2023  
INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Journal Indexed in SCI-E, December 2023  
INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Journal Indexed in SCI-E, December 2023  
INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Journal Indexed in SCI-E, December

2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, December 2023

IEEE INTERNET OF THINGS JOURNAL, Journal Indexed in SCI-E, December 2023

INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Journal Indexed in SCI-E, December 2023

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, December 2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, November 2023

INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Journal Indexed in SCI-E, November 2023

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, November 2023

IEEE INTERNET OF THINGS JOURNAL, Journal Indexed in SCI-E, November 2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, November 2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, November 2023

Jordanian Journal of Computers and Information Technology, Journal Indexed in SCI-E, October 2023

Digital Communications and Networks, Journal Indexed in SCI-E, October 2023

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, October 2023

INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, Journal Indexed in SCI-E, October 2023

APPLIED SOFT COMPUTING JOURNAL, Journal Indexed in SCI-E, October 2023

Digital Communications and Networks, Journal Indexed in SCI-E, October 2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, October 2023

Jordanian Journal of Computers and Information Technology, Journal Indexed in SCI-E, September 2023

KNOWLEDGE-BASED SYSTEMS, Journal Indexed in SCI-E, September 2023

Digital Communications and Networks, Journal Indexed in SCI-E, August 2023

Digital Communications and Networks, Journal Indexed in SCI-E, August 2023

INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, Journal Indexed in SCI-E, August 2023

COMPUTER COMMUNICATIONS, Journal Indexed in SCI-E, July 2023

Digital Communications and Networks, Journal Indexed in SCI-E, June 2023

EXPERT SYSTEMS, Journal Indexed in SCI-E, June 2022

IEEE INTERNET OF THINGS JOURNAL, Journal Indexed in SCI-E, March 2022

## **Entrepreneurship Activities**

Limited, Cybernova Siber Güvenlik ve Yazılım Teknolojileri Akademisi Tic. Ltd. Şti., 29 November 2018, Founder Owner