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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-6759-2021

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Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2023 - Continues

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2019 - 2022

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Justice, Turkey 2015 - 2020

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2013 - 2018

Certificates, Courses and Trainings

Entrepreneurship, Yenilikçi Zihinler İçin Girişimcilik Yolculuğu: Girişimci Tanımından Yatırım Sunumuna, Karadeniz Teknik Üniversitesi Teknoloji Transferi Uygulama ve Araştırma Merkezi, 2024

Dissertations

Postgraduate, A NEW ROUTING OBJECTIVE FUNCTION FOR IETF 6TiSCH PROTOCOL, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2022

Research Areas

Computer Networks, Communications and Network Protocols

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. A Decentralized Proxy-JRC Authentication System for Scalable IETF 6TiSCH Networks
Aydin H., Gormus S., Aydin B.

IEEE ACCESS, vol.12, pp.90952-90970, 2024 (SCI-Expanded)

II. Lightweight Three-Factor Sensor and User Authentication for RPL-Based 6TiSCH Networks

Aydin H., Aydın B., Gormus S.

IEEE SENSORS JOURNAL, vol.24, no.17, pp.28196-28209, 2024 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. A Security Mechanism Against Man in the Middle Attack in 6TiSCH Networks

Aydın B., Aydın H., Görmüş S.

2024 32nd Signal Processing and Communications Applications Conference (SIU), Mersin, Turkey, 15 - 18 May 2024, pp.1-4

II. A DIS Attack Resistant Algorithm for RPL Routing Protocol in 6TiSCH Networks

Aydın H., Aydın B.

2024 32nd Signal Processing and Communications Applications Conference (SIU), Mersin, Turkey, 15 - 18 May 2024, pp.1-4

III. Q-Learning Algorithm Inspired Objective Function Optimization For IETF 6TiSCH Networks

Bekar T., Görmüş S., Aydın B., Aydın H.

2023 International Conference on Smart Applications, Communications and Networking (SmartNets), İstanbul, Turkey, 25 - 27 July 2023, pp.1-6

IV. A New Routing Objective Function for IETF 6TiSCH Protocol

Aydın B., Görmüş S., Aydın H., Külcü S.

2022 30th Signal Processing and Communications Applications Conference (SIU), Karabük, Turkey, 15 - 18 May 2022, pp.1-4

Metrics

Publication: 6

Citation (WoS): 3

Citation (Scopus): 13

H-Index (WoS): 1

H-Index (Scopus): 2