Res. Asst. ONUR POLAT

Personal Information

Email: onurpolat@gazi.edu.tr
Web: https://avesis.gazi.edu.tr/onurpolat

International Researcher IDs
ORCID: 0000-0001-9313-4910
Yoksis Researcher ID: 53515

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2017 - 2019
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Yl) (Tezli), Turkey 2014 - 2017
Undergraduate, Azerbaycan Teknik Üniversitesi, Bilgisayar Mühendisliği, Azerbaijan 2005 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Yazılım tanımlı ağlarda DoS saldırılarının tespiti ve engellenmesi, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Yl) (Tezli), 2017

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, 2014 - Continues
Research Assistant, Bingol University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **ResMIBCU-Net: an encoder–decoder network with residual blocks, modified inverted residual block, and bi-directional ConvLSTM for impacted tooth segmentation in panoramic X-ray images**
Imak A., Çelebi A., POLAT O., Türkoğlu M., Şengür A.
Oral Radiology, vol.39, no.4, pp.614-628, 2023 (SCI-Expanded)

II. **Recognition of DDoS attacks on SD-VANET based on combination of hyperparameter optimization and feature selection**

Turkoglu M., POLAT H., KOÇAK C., POLAT O.

EXPERT SYSTEMS WITH APPLICATIONS, vol.203, 2022 (SCI-Expanded)

III. **A novel approach for accurate detection of the DDoS attacks in SDN-based SCADA systems based on deep recurrent neural networks**

POLAT H., Türkoğlu M., POLAT O., Şengür A.

Expert Systems with Applications, vol.197, 2022 (SCI-Expanded)

IV. **Deep network approach with stacked sparse autoencoders in detection of DDoS attacks on SDN-based VANETInspec keywordsOther keywords**

Polat H., Turkoglu M., Polat O.

IET COMMUNICATIONS, vol.14, no.22, pp.4089-4100, 2020 (SCI-Expanded)

V. **Detecting DDoS Attacks in Software-Defined Networks Through Feature Selection Methods and Machine Learning Models**

Polat H., Polat O., Çetin A.

SUSTAINABILITY, vol.12, no.3, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **AN INTELLIGENT SOFTWARE DEFINED NETWORKING CONTROLLER COMPONENT TO DETECT AND MITIGATE DENIAL OF SERVICE ATTACKS**

Polat H., Polat O.

JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY, vol.20, no.1, pp.57-81, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Performance Analysis of Between Software Defined Wireless Network and Mobile Ad Hoc Network Under DoS Attack**

Polat H., Söğüt E., Polat O., Erdem O. A.

2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019

II. **The Effects of DoS Attacks on ODL and POX SDN Controllers**

POLAT H., POLAT O.

2017 8th International Conference on Information Technology (ICIT), Amman, Jordan, Jordan, 17 - 18 May 2017, pp.554-558

III. **Distributed denial of service attacks against SDN controllers**

POLAT H., POLAT O.

1st International MediterraneanScience and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

Metrics

Publication: 9
Citation (WoS): 124
Citation (Scopus): 236
H-Index (WoS): 4
H-Index (Scopus): 4