

## Res. Asst. EMRE AYDOĞAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0226-2787

Publons / Web Of Science ResearcherID: H-5717-2018

Yoksis Researcher ID: 221013

### Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2014 - Continues

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2011 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2006 - 2011

### Dissertations

Postgraduate, Genetik programlama kullanılarak mobil zararlı yazılımların otomatik olarak üretilmesi / Automatic generation of mobile malwares using genetic programming, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014

### Research Areas

Computer Sciences, Information Security and Reliability, Information System Reliability, Computer Networks, Communications and Network Protocols, Artificial Intelligence, Computer Learning and Pattern Recognition, Evolutionary Computing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Engineering, Department of Computer Engineering, 2018 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2015 - 2017

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

#### I. A Transfer Learning Approach for Securing Resource-Constrained IoT Devices

Yilmaz S., Aydogan E., Sen S.

IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, vol.16, pp.4405-4418, 2021 (SCI-Expanded)

#### II. Coevolution of Mobile Malware and Anti-Malware

Sen S., Aydogan E., Aysan A. I.

IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, vol.13, no.10, pp.2563-2574, 2018 (SCI-Expanded)

## Papers Published in Refereed Scientific Meetings

- I. **A Central Intrusion Detection System for RPL-Based Industrial Internet of Things**  
Aydogan E., YILMAZ S., Sen S., Butun I., Forsstrom S., Gidlund M.  
15th IEEE International Workshop on Factory Communication Systems, WFCS 2019, Sundsvall, Sweden, 27 - 29 May 2019, vol.2019-May
- II. **Automatic generation of mobile malwares using genetic programming**  
Aydogan E., Sen S.  
18th European Conference on the Applications of Evolutionary Computation, EvoApplications 2015, Copenhagen, Denmark, 8 - 10 April 2015, vol.9028, pp.745-756
- III. **ANALYSIS OF MACHINE LEARNING METHODS ON MALWARE DETECTION**  
Aydogan E., Sen S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2066-2069
- IV. **2 opt based artificial bee colony algorithm for solving traveling salesman problem**  
AKAY B., AYDOĞAN E., KARACAN L.  
WCIT 2011, Antalya, Turkey, 23 - 27 September 2011

## Supported Projects

Aydođan E., Yılmaz S., Ően Akagündüz S., Project Supported by Public Organizations in Other Countries, Detecting Intrusions in Industrial Internet of Things, 2018 - 2019

Ően Akagündüz S., TUBITAK Project, Bu uygulamayı güncellemek ister misiniz Kendisini güncelleyen mobil zararlı yazılımların analizi ve tespiti, 2015 - 2019

Ően Akagündüz S., TUBITAK Project, Kötücül Yazılımların ve Anti Kötücül Yazılım Sistemlerinin EŐ Evrimi, 2013 - 2015

## Metrics

Publication: 6

Citation (WoS): 21

Citation (Scopus): 63

H-Index (WoS): 1

H-Index (Scopus): 3

## Scholarships

2228-A Son Sınıf Lisans Öğrencileri için Lisansüstü (Yüksek Lisans/Doktora) Burs Programı, TUBITAK, 2011 - Continues