

Asst. Prof. FADI YILMAZ

Personal Information

Office Phone: [+90 312 906 2000](tel:+903129062000) Extension: 2213

Email: fadiyilmaz@aybu.edu.tr

Web: <https://avesis.aybu.edu.tr/fadiyilmaz>

International Researcher IDs

ScholarID: wjfBQbAAAAAJ

ORCID: 0000-0002-3591-3606

ScopusID: 38362618100

Yoksis Researcher ID: 328706

Biography

Dr. Fadi Yilmaz is an Assistant Professor in the Department of Computer Engineering at Ankara Yildirim Beyazit University. His research interests span language-based and systems security, exploit generation, and their application to web, mobile, and Internet-of-Things security. He received her Bachelor's in Computer Science from TOBB Economy and Technology University in 2009. His graduate education was sponsored by the Turkish government and he received his Master's in Computer Science from Florida State University in 2014. His Ph.D. in Software and Information systems from the University of North Carolina at Charlotte in 2020, concentrated on software security. Specific areas of interest: program analysis and verification, in-lined reference monitoring (binary instrumentation), security policies, language-based solutions for web, mobile security, and IoT security.

Education Information

Doctorate, The University of North Carolina at Charlotte, United States Of America 2014 - 2020

Undergraduate, Tobb University Of Economics And Technology, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2004 - 2010

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, A language-based approach for securing actionscript/flash vulnerabilities, The University of North Carolina at Charlotte, 2020

Postgraduate, GitHub Developer Profiler Based on Latent Dirichlet Allocation, Florida State University, 2014

Research Areas

Hiding Information, Information System Reliability, Cryptography, Software Security

Academic Titles / Tasks

Lecturer, Ankara Yıldırım Beyazıt University, Mühendislik ve Doğa Bilimleri Fakültesi, Bilgisayar Mühendisliği, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A fine-grained classification and security analysis of web-based virtual machine vulnerabilities**
Yilmaz F., Sridhar M., Mohanty A., Tendulkar V., Hamlen K. W.
Computers and Security, vol.105, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Image indexing with caterpillar decomposition Tirtil ayrışması ile imge indeksleme**
YILMAZ F., Fatih Demirci M.
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, pp.58-61, 2011 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Analysis & Refinement of a Guided Exploit Generation Technique for Language Virtual Machines**
Yilmaz F., Sridhar M., Choi W.
Learning from Authoritative Security Experiment Results, Texas, United States Of America, 08 December 2020, pp.1-12
- II. **Guide Me to Exploit: Assisted ROP Exploit Generation for ActionScript Virtual Machine**
YILMAZ F., Sridhar M., Choi W.
36th Annual Computer Security Applications Conference, ACSAC 2020, Virtual, Online, United States Of America, 7 - 11 December 2020, pp.386-400
- III. **Control-hijacking Vulnerabilities in IoT Firmware: A Brief Survey**
Mohanty A., Obaidat I., Yilmaz F., Sridhar M.
The 1st International Workshop on Security and Privacy for the Internet-of-Things, Florida, United States Of America, 17 - 20 April 2020, pp.1-4
- IV. **A survey of in-lined reference monitors: Policies, applications and challenges**
YILMAZ F., Sridhar M.
16th ACS/IEEE International Conference on Computer Systems and Applications, AICCSA 2019, Abu Dhabi, United Arab Emirates, 3 - 07 November 2019, vol.2019-November
- V. **Inscription: Thwarting ActionScript Web Attacks from Within**
Sridhar M., Mohanty A., YILMAZ F., Tendulkar V., Hamlen K. W.
17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications and 12th IEEE International Conference on Big Data Science and Engineering, Trustcom/BigDataSE 2018, New York, United States Of America, 31 July - 03 August 2018, pp.504-515
- VI. **In A Flash: An In-lined Monitoring Approach to Flash App Security**
Sridhar M., Mohanty A., Tendulkar V., YILMAZ F., Hamlen K. W.
Workshop on Foundations of Computer Security, 27 June 2016
- VII. **Image indexing with caterpillar decomposition**
YILMAZ F., DEMİRCİ M. F.
2011 IEEE 19th Signal Processing and Communications Applications Conference, 20 April 2011
- VIII. **Indexing tree structures through caterpillar decomposition**
YILMAZ F., Demirci M. F.

17th Scandinavian Conference on Image Analysis, SCIA 2011, Ystad, Sweden, 23 - 27 May 2011, vol.6688 LNCS,
pp.687-696

Metrics

Publication: 10

Citation (Scopus): 7

H-Index (Scopus): 2