Asst. Prof. YILDIRAN YILMAZ

Personal Information

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Education Information

Doctorate, University of Southampton, Electronic and Computer Science, Computer Science, England 2015 - 2019
Postgraduate, University of Southampton, Electronic and Computer Science, Cyber Security, England 2014 - 2015
Undergraduate, Pamukkale University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, Turkey 2006 - 2010

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, LOW-COST SECURITY PROTOCOLS FOR RESOURCE-CONSTRAINED INTERNET OF THINGS DEVICES, University of Southampton, Electronic and Computer Science, Computer Science, 2019
Postgraduate, Crypto Tool for File and Text Encryption, University of Southampton, Electronic and Computer Science, Cyber Security, 2015

Research Areas

Computer Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues
Lecturer PhD, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Bilişim Sistemleri Mühendisliği Bölümü, 2020 - Continues

Academic and Administrative Experience

Deputy Head of Department, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. **ARMOR: An anti-counteRfeit security Mechanism for lOw cost Radio frequency identification systems**
Yılmaz Y., Do V., Halak B.
IEEE Transactions on Emerging Topics in Computing, pp.1-15, 2020 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. **An Approach for Airfare Prices Analysis with Penalized Regression Methods**
Buyrukoglu S., Yılmaz Y.
Veri Bilimi Dergisi, vol.4, no.2, pp.57-61, 2021 (Refereed Journals of Other Institutions)
II. **A Novel Semi-Automated Chatbot Model: Providing Consistent Response of Students' Email in Higher Education based on Case-Based Reasoningand Latent Semantic Analysis**
Buyrukoglu S., Yılmaz Y.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.5, no.1, pp.6-12, 2021 (Refereed Journals of Other Institutions)
III. **Covid-19 Impact on Students' Performances in Computer Programming Module Based on Formative Assessment**
Buyrukoğlu S., Yılmaz Y., Buyrukoğlu G.
World Journal of Multidisciplinary Research, vol.4, no.1-2, pp.87-94, 2021 (Refereed Journals of Other Institutions)
IV. **Hybrid Machine Learning Model Coupled with School Closure For Forecasting COVID-19 Cases in the Most Affected Countries**
Yılmaz Y., Buyrukoglu S.
Hittite Journal of Science and Engineering, vol.8, no.2, pp.123-131, 2021 (Refereed Journals of Other Institutions)
V. **ASSURE: A Hardware-Based Security Protocol for Resource-Constrained IoT Systems**
Yılmaz Y., Aniello L., Halak B.
Journal of Hardware and Systems Security, vol.5, no.1, pp.1-18, 2021 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **A Hybrid Data Mining Model for Prediction of Alzheimer Disease Stages Using Principal Component Analysis (PCA) and Multilayer Perceptron (MLP)**
YILMAZ Y.
in: Programming Solutions For Engineering Problems, Ayhan Akbaş Selim Buyrukoğlu Aytül Gökçe, Editor, Nobel Bilimsel, pp.13-35, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **MÜŞTERİLERİN KURUMSAL SOSYAL SORUMLULUKLARA (KSS) YAKLAŞIMLARININ VE BUNUN MÜŞTERİ SATIN ALMA DAVRANIŞI ÜZERİNDEKİ ETKİSİNİN ANALİZİ**
ALIM M., YILMAZ Y.
4. Uluslararası Mersin Sempozyumu, 22 - 24 October 2020, vol.4, pp.362-370
II. **A Two-Flights Mutual Authentication for Energy-Constrained IoT Devices**
Yılmaz Y., Halak B.
2019 IEEE 4th International Verification and Security Workshop (IVSW), Rodos, Greece, 1 - 03 July 2019, pp.31-36
III. **On the Design and Implementation of Security Protocol forResource-constrained IoT**
YILMAZ Y., Halak B.
The C-IoT organised event on ECS PhD research into IoT, Southampton, United Kingdom, 20 February 2019
IV. **On the Design and Implementation of Lightweight Authentication and Secure Key Exchange Protocol for Energy-Constrained Systems**

YILMAZ Y., Halak B.

The SET Group Event on Analog Circuit Security in the Digital World, Southampton, United Kingdom, 12 February 2019

V. **Hardware-Based Security Solutions for the Internet of Things**

Halak B., Mark Z., Shengyu D., Elena Woo Lai L., Yılmaz Y., Syafiq M.

RISE Annual Conference, 2018, London, United Kingdom, 14 November 2018

VI. **Lightweight PUF-Based Authentication Protocol for IoT Devices**

YILMAZ Y., Gunn S. R. , Halak B.

2018 IEEE 3rd International Verification and Security Workshop (IVSW), Costa Brava, 2 - 04 July 2018

VII. **Lightweight Authentication Protocol for IoT Devices**

Yılmaz Y., Gunn S. R. , Halak B.

The C-IoT Security Event at the University of Southampton, Southampton, United Kingdom, 26 June 2018

VIII. **PUF-based Authentication and Secure Communication Protocol for Resource-constrained Devices in the Internet of Things**

YILMAZ Y., Halak B.

NCSC Workshop on Safety vsSecurity: challenges and applicationsin the cybersecurity era, Southampton, United Kingdom, 14 January 2018

IX. **Security Protocols for Resource-Constrained Devices**

Yılmaz Y., Basel H.

Arm Research Summit 2017, London, United Kingdom, 11 - 13 September 2017

X. **Cryptotool: A secure data storage software**

YILMAZ Y., Halak B.

The National Conference on Learning and Teaching in Cybersecurity, Birmingham, United Kingdom, 15 June 2016

Citations

Total Citations (WOS):11

h-index (WOS):1