

Personal Information

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Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2013 - 2018
Under Graduate, Anadolu Üniversitesi, İşletme Fakültesi, İşletme Bölümü, Turkey 2009 - 2013
Post Graduate, Trakya Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2010 - 2012
Under Graduate, Trakya Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2007 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, MAKSİMUM UZAKLIKTA AYRILABİLEN MATRİSLERİN ELDE EDİLEBİLMESİ İÇİN YENİ BİR MATRİS FORMU VE BİR HAFİF SIKLET BLOK ŞİFREYE UYGULAMASI, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2018
Post Graduate, Eliptik eğri şifreleme algoritmasının uygulaması ve analizi, Trakya Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012

Research Areas

Computer Sciences, Information Security and Reliability, Cryptography, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - Continues

Courses

Computer & Network Security, Under Graduate, 2018 - 2019
Computer & Network Security, Under Graduate, 2018 - 2019

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

- **Generalisation of Hadamard matrix to generate involutory MDS matrices for lightweight cryptography**
Pehlivanoglu M., Sakalli M. T. , Akleyek S., DURU N., Rijmen V.
IET INFORMATION SECURITY, vol.12, pp.348-355, 2018 (Journal Indexed in SCI)
- **PREDICTION OF MAGNETIC SUSCEPTIBILITY CLASS OF SOIL USING DECISION TREES**
Kurt M., DURU N., CANBAY M. M. , DURU H. T.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.23, pp.83-90, 2016 (Journal Indexed in SCI)
- **Local Binary Pattern Based Fast Digital Image Stabilization**

Articles Published in Other Journals

- **The New Approach of AES Key Schedule for Lightweight Block Ciphers**
KURT PEHLİVANOĞLU M., SAKALLI M. T. , DURU N., BÜYÜKSARAÇOĞLU SAKALLI F.
IOSR Journal of Computer Engineering, vol.19, pp.21-26, 2017 (Refereed Journals of Other Institutions)
- **Sonlu Cisimler Teorisine Dayalı Gri Seviye Görüntü Şifreleme**
KURT PEHLİVANOĞLU M., DURU N., SAKALLI M. T.
BİLECİK ŞEYH EDEBALI ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.3, pp.10-17, 2016 (Other Refereed National Journals)
- **Email Encryption using RC4 Algorithm**
KURT PEHLİVANOĞLU M., DURU N.
International Journal of Computer Applications, vol.130, pp.25-29, 2015 (Refereed Journals of Other Institutions)
- **Veri Madenciliği Teknikleri Kullanılarak Ortaokul Öğrencilerinin Sosyal Ağ Kullanım Analizi Kocaeli İli Örneği**
KURT PEHLİVANOĞLU M., DURU N.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.3, pp.508-517, 2015 (Other Refereed National Journals)
- **Üniversite Öğrencilerinin Devamlılığının Parmak İzi Okuyucu Cihaz Kullanılarak İzlenmesi**
KURT PEHLİVANOĞLU M., DURU N.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.8, pp.9-16, 2015 (Other Refereed National Journals)

Book & Book Chapters

- **in: Authentication Technologies for Cloud Computing, IoT and Big Data**
Kurt Pehlivanoğlu M., Sakallı M. T. , Akleylek S., Duru N.
Lightweight block ciphers with applications in IoT, Yasser M. Alginah, Muhammad Nomani Kabir, Editor, The Institution of Engineering and Technology, London, pp.153-180, 2019
- **in: Authentication Technologies for Cloud Technology, IoT, and Big Data**
KURT PEHLİVANOĞLU M., SAKALLI M. T. , AKLEYLEK S., DURU N.
Lightweight Block Cyphers with Applications in IoT, Dr. Yasser M. Alginahi Dr. Muhammad N. Kabir, Editor, The Institution of Engineering and Technology (The IET), pp.153-180, 2019

Refereed Congress / Symposium Publications in Proceedings

- **Intrusion Detection Using Machine Learning and Deep Learning Techniques**
Çalışır S., Atay R., Kurt Pehlivanoğlu M., Duru N.
4th International Conference on Computer Science and Engineering (UBMK-2019), Samsun, Turkey, 11 - 15 September 2019
- **Model-Free Reinforcement Learning Algorithms: A Survey**
Çalışır S., KURT PEHLİVANOĞLU M.
27. Sinyal İşleme ve İletişim Uygulamaları (SİU) Kurultayı, Sivas, Turkey, 24 - 26 Nisan 2019
- **Generating MDS Matrices in Toeplitz Form by Using Generalised Hadamard Form**
KURT PEHLİVANOĞLU M., AKLEYLEK S., SAKALLI M. T. , DURU N.
International Conference on Big Data, Deep Learning and Fighting with Cyber Terrorism, 3 - 04 Aralık 2018, pp.81-86
- **On the design strategies of diffusion layers and key schedule in lightweight block ciphers**
KURT PEHLİVANOĞLU M., AKLEYLEK S., SAKALLI M. T. , DURU N.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 Ekim 2017,

pp.456-461

- **WiFi HOTSPOT BASED STUDENT ATTENDANCE CONTROL SYSTEM on ANDROID PLATFORM**

KURT PEHLİVANOĞLU M., DURU N.

International Conference on Education in Mathematics, Science Technology (ICEMST), Kuşadası/Aydın, Turkey, 18 - 21 Mayıs 2017, pp.293-297

- **SOLUTION OF SIMPLE GEOMETRY QUESTIONS USING IMAGE PROCESSING TECHNIQUES ON THE ANDROID PLATFORM: SMART PHONE APPLICATION**

KURT PEHLİVANOĞLU M., DURU N., GÜMÜŞ H.

International Conference on Education in Mathematics, Science Technology (ICEMST), Kuşadası/Aydın, Turkey, 18 - 21 Mayıs 2017, pp.244-252

- **ANALYSIS OF TECHNOLOGY ADDICTION OF HIGH SCHOOL AND UNIVERSITY STUDENTS USING DATA MINING TECHNIQUES**

KURT PEHLİVANOĞLU M., DURU N.

International Conference on Education in Mathematics, Science & Technology (ICEMST), 19 - 22 Mayıs 2016, pp.325-331

- **Encryption of Walsh Hadamard Transform applied images with the AES encryption algorithm**

KURT PEHLİVANOĞLU M., DURU N.

2016 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, Turkey, 16 - 19 Mayıs 2016

- **LSB based steganography over video files using Koblitz s Method**

KURT PEHLİVANOĞLU M., KIR SAVAŞ B., DURU N.

2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Turkey, 16 - 19 Mayıs 2015, pp.1034-1037

- **Encryption with Changing Least Significant Bit on Menezes Vanstone Elliptic Curve Cryptosystem**

KURT M., DURU N.

International Conference and Exhibition on Electronic, Computer and Automation Technologies, Konya, Turkey, Turkey, 9 - 11 Mayıs 2014, pp.78-80

- **Steganography over video files using Menezes Vanstone Elliptic Curve Cryptography Algorithm**

KURT M., DURU N.

2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Turkey, 23 - 25 Nisan 2014

- **A new modified cryptosystem based on Menezes Vanstone elliptic curve cryptography algorithm that uses characters hexadecimal values**

KURT M., YERLİKAYA T.

2013 The International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (TAECE), Konya, Turkey, Turkey, 9 - 11 Mayıs 2013

- **An Application of Steganography to 24 bit Color Image Files by Using LSB Method**

KURT M., YERLİKAYA T.

Bulgarian Cryptography Days- BulCrypt 2012 1st International Conference on Bulgarian and Balkans Cryptography, 20 - 21 Eylül 2012

- **ELİPTİK EĞRİLERİN ŞİFRELEME BİLİMİ YÖNÜNDEN İNCELENMESİ ve ELİPTİK EĞRİ ŞİFRELEME ALGORİTMASININ UYGULAMASI**

KURT M., YERLİKAYA T.

25. Ulusal Matematik Sempozyumu, Niğde, Turkey, 5 - 08 Eylül 2012, pp.70-71

- **A Lightweight Parser for Extracting Useful Contents from Web Pages**

UZUN E., YERLİKAYA T., KURT M.

2nd International Symposium on Computing in Science & Engineering - ISCSE 2011, 1 - 04 Haziran 2011

- **ANALYZING OF THE EVOLUTION OF WEBPAGES BY USING A DOMAIN BASED WEBCRAWLER**

UZUN E., YERLİKAYA T., KURT M.

International Conference Engineering, Technologies and SystemsTechSys 2011, Plovdiv, Bulgaria, 26 - 28 Mayıs 2011, pp.151-156

- **REDUCING COMPUTATIONAL COMPLEXITY BY RESTRICTING THE SIZE OF COMPARED WEB CONTENTS**

UZUN E., YERLİKAYA T., KURT M.

International Conference Engineering, Technologies and SystemsTechSys 2011, Plovdiv, Bulgaria, 26 - 28 Mayıs 2011

Supported Projects

KURT PEHLİVANOĞLU M., DURU N., Project Supported by Higher Education Institutions, AĞ SALDIRISI TESPİTİNDE DERİN ÖĞRENME YÖNTEMLERİNİ KULLANAN YENİ BİR MODEL, 2019 - Continues
Kurt Pehlivanoglu M., Duru N., Project Supported by Higher Education Institutions, HAFİF SIKLET BLOK ŞİFRELER İÇİN VERİMLİ YAYILIM TABAKALARININ GELİŞTİRİLMESİ, 2017 - 2018

Citations

Total Citations (WOS):11

h-index (WOS):2

Scholarships

2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2019 - 2020