



Asst. Prof. UĞUR CORUH

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International Researcher IDs

ScholarID: KIU4ltMAAAAJ

ORCID: 0000-0003-4193-8401

Publons / Web Of Science ResearcherID: 0-2919-2018

ScopusID: 57218950743

Yoksis Researcher ID: 315312



Education Information

- I. Doctorate, Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, Turkey 2014 - 2019
- II. Postgraduate, Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, Turkey 2011 - 2014
- III. Undergraduate, Selçuk University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2005 - 2009

Foreign Languages

- I. English, C1 Advanced

Dissertations

- I. Doctorate, Enhanced Secure Communication Schemes for Machine-to-Machine and Vehicular Ad Hoc Networks, Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, 2019
- II. Postgraduate, SRAM tabanlı FPGA devrelerinde LUT seviyesinde fonksiyonlar arasındaki NPN ilişkilerin maksimize edilmesi, Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, 2014

Research Areas

Communication Networks, Telecommunication Applications, Information Security and Reliability, Hiding Information, Information System Reliability, Hardware Security, Cryptography, Quantum Cryptography, Software Security, Computer Networks, Communications and Network Protocols, Data Routing, Database and Data Structures, Software, Operating Systems, Automatic Programming, Programming Languages, Software Engineering, Soft Computing, Bioengineering and MEMS, Bioinstrumentation and Microelectromechanical Systems (MEMS), Biosignal Processing, Biosignal Processing

Academic Titles / Tasks

- I. Assistant Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2019 - Continues

Courses

- I. Algorithms and Programming I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
- II. Algorithms and Programming II, Undergraduate, 2021 - 2022, 2020 - 2021
- III. Object-Oriented Programming, Undergraduate, 2021 - 2022
- IV. Data Structures, Undergraduate, 2022 - 2023, 2021 - 2022
- V. Temel Bilgi Teknolojileri, Undergraduate, 2021 - 2022
- VI. Basic Information Technologies, Undergraduate, 2020 - 2021

Designed Lessons

- I. Coruh U., Data Structures, Undergraduate, 2021 - 2022
- II. Coruh U., Object-Oriented Programming, Undergraduate, 2021 - 2022
- III. Coruh U., Algorithms and Programming I, Undergraduate, 2020 - 2021
- IV. Coruh U., Algorithms and Programming II, Undergraduate, 2020 - 2021

Education Infrastructure Information

- I. Coruh U., Yalçın Y., INF-TALKS , November 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ESAR: Enhanced Secure Authentication and Revocation Scheme for Vehicular Ad Hoc Networks**
Coruh U., Bayat O.
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, vol.64, pp.103081, 2022 (SCI-Expanded)
- II. **Hybrid Secure Authentication and Key Exchange Scheme for M2M Home Networks**
Coruh U., Bayat O.
SECURITY AND COMMUNICATION NETWORKS, vol.2018, 2018 (SCI-Expanded)

Books & Book Chapters

- I. **Security Risks of IoT Technologies in Healthcare Services and Measures That Can Be Taken**
Coruh U.
in: Artificial Intelligence and Applications in Healthcare, Can Özlü, Mehmet Ali Gedik, Nilüfer Köylüoğlu, Hilmi Sefa Yangal, Aysun Özlü, Editor, Akademisyen Kitabevi, Ankara, pp.41-52, 2021
- II. **5G Era in Healthcare**
Coruh U.
in: Artificial Intelligence and Applications in Healthcare, Can Özlü, Mehmet Ali Gedik, Nilüfer Köylüoğlu, Hilmi Sefa Yangal, Aysun Özlü, Editor, Akademisyen Kitabevi, Ankara, pp.389-396, 2021

- I. **Lightweight Offline Authentication Scheme for Secure Remote Working Environment**
Coruh U., Khan M., Bayat O.
2021 International Conference on Electrical, Computer and Energy Technologies (ICECET), Cape-Town, South Africa, 9 - 10 December 2021, pp.1-9
- II. **Performance Analysis of Blockchain-Based Systems for Industry Applications**
Khan M., Bayat O., Coruh U.
The International Conference on Engineering & MIS 2020 (ICEMIS20), Almati, Kazakhstan, 14 - 16 September 2020, vol.1, no.100, pp.1-21

Supported Projects

- I. Coruh U., Bebek M. B., Sarı S., Uygun R. S., Solak F., TUBITAK Project, Sentetik Sensörlerin Akıllı Ulaşım Altyapısında Araçlar için Kara Kutu ve Önleyici/Uyarı Unsur Olarak Uygulanmasının Araştırılması ve VANET benzeri IoT Uygulama Olarak Geliştirilmesi, 2022 - 2023
- II. Coruh U., Aşık E., Er R., Öztürk D., Ersoy S. N., TUBITAK Project, Akıllı Viraj ve Uyarı Sistemi, 2022 - 2023
- III. Coruh U., Görgen V., Ayakdaş F., Demiroğlu E., Sevinçkan N., TUBITAK Project, Mobil Cihaz Sensörleri Üzerinden Kitle Veri Toplaması ile Çevresel Hava Durumu Tahmini Destekli Navigasyon Platformu, 2022 - 2023
- IV. Coruh U., Solak F., Bebek M. B., Uygun R. S., Sarı S., Polat Ö., Project Supported by Higher Education Institutions, 2022 TEKNOFEST Akıllı Ulaşım Yarışması - DATABOX - SPLENDOR TECH TAKIMI (ORDU FİNALİSTİ), 2022 - 2022
- V. Coruh U., Görgen V., Project Supported by Higher Education Institutions, 2022 TEKNOFEST Akıllı Ulaşım Yarışması - MOBUS - VANSAN TAKIMI (ORDU FİNALİSTİ), 2022 - 2022
- VI. Coruh U., Aşık E., Er R., Ersoy S. N., Kurtuluş H., Öztürk D., Project Supported by Higher Education Institutions, 2022 TEKNOFEST Akıllı Ulaşım Yarışması - AVUS (Akıllı Viraj Uyarı Sistemi) - WHITECODE Takımı (Kategori 3.'sü), 2022 - 2022

Patent

- I. Coruh U., Koçan H., Elektroüroflowmetri: Elektriksel akıllı üroflowmetri cihazı ve ölçümleme yöntemi., Patent, CHAPTER H Electricity, The Invention Recourse Number: 2021/008173 , Standard Registration, 2021
- II. Coruh U., Koçan H., Ohm kanunu ile elektriksel üroflowmetri ölçümü yapan akıllı sistem/ ürosistografi, Patent, CHAPTER H Electricity, The Invention Recourse Number: 2021/012435 , Standard Registration, 2021
- III. Coruh U., Koçan H., Elektriksel gerilim, direnç, kapasite ve akım ölçümleri ile geçtiği bölgedeki hücre doku özelliklerini ve türünü oluşturulan model ile tespit eden perkütan/biyopsi iğnesi ve yönlendirme analiz sistemi, Patent, CHAPTER H Electricity, The Invention Recourse Number: 2020/19898 , Standard Registration, 2020

Metrics

Publication: 6
Citation (WoS): 3
Citation (Scopus): 7
H-Index (WoS): 1
H-Index (Scopus): 1

Entrepreneurship Activities

I. Limited, CORUH ARGE VE TEKNOLOJİ SANAYİ TİCARET LİMİTED ŞİRKETİ, 16 June 2022, Founder Owner

Coaching Duties

Refereeing Duties

Non Academic Experience

- I. Company, TÜRKİYE VAKIFLAR BANKASI T.A.O., R&D AND INNOVATION DIRECTORATE
- II. Company, PAYCORE (KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİC. A.Ş.), R&D
- III. Company, PAYCORE (KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİC. A.Ş.), R&D
- IV. Company, PAYCORE (KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİC. A.Ş.), R&D
- V. Company, BİLTEKNO INFORMATION TECHNOLOGIES, R&D