Asst. Prof. UĞUR CORUH

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Address: Fener Mah. Zihni Derin Yerleşkesi, 53100 Rize, Turkey

Education Information

I. Doctorate, Altinbas University, Graduate School Of Natural And Applıed Scıences, Electrical and Computer Engineering, Turkey 2014 - 2019

II. Postgraduate, Altinbas University, Graduate School Of Natural And Applıed Scıences, Electrical and Computer Engineering, Turkey 2011 - 2014

III. Undergraduate, Selcuk University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, 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, Altinbas University, Graduate School Of Natural And Applıed Scıences, Electrical and Computer Engineering, 2019

II. Postgraduate, SRAM tabanlı FPGA devrelerinde LUT seviyesinde fonksiyonlar arasındaki NPN ilişkilerin maksimize edilmesi, Altinbas University, Graduate School Of Natural And Applıed Scıences, 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, Mühendislik Ve Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Courses

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

Designed Lessons

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

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

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, no.1, pp.103081, 2021 (Journal Indexed in 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 (Journal Indexed in SCI)

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

Refereed Congress / Symposium Publications in Proceedings

I. **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

Patent

I. Coruh U., Koçan H., Ohm kanunu ile elektriksel üroflovmetri ölçümü yapan akıllı sistem/ ürosistografi, Patent, CHAPTER H Electricity, The Invention Recourse Number: 2021/012435 , Initial Registration, 2021

II. Coruh U., Koçan H., Elektroüroflowmetri: Elektriksel akıllı üroflowmetri cihazı ve ölçümleme yöntemi., Patent, CHAPTER H Electricity, The Invention Recourse Number: 2021/008173 , Initial 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 , Initial Registration, 2020

Citations

I. Total Citations (WOS): 1

II. h-index (WOS): 1

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