

Asst. Prof. AHMET SERTOL KÖKSAL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JQI-6529-2023

ScopusID: 57189708499

Yoksis Researcher ID: 107332

Education Information

Doctorate, Sakarya University, Faculty Of Technical Education, Department Of Electronics And Computer Education, Turkey 2007 - 2014

Postgraduate, Sakarya University, Faculty Of Technical Education, Department Of Electronics And Computer Education, Turkey 2004 - 2007

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1994 - 1998

Dissertations

Doctorate, Yeni bir kaos tabanlı kriptolama sistemi ve uygulaması, Sakarya University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2014

Postgraduate, 802.11 kablolu yerel alan ağlarında güvenlik sorunu, Sakarya University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2007

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Faculty of Engineering-Architecture, Bilgisayar Mühendisliği Bölümü, 2015 - Continues

Lecturer, Yozgat Bozok University, Faculty of Engineering-Architecture, Bilgisayar Mühendisliği Bölümü, 2013 - 2015

Courses

Postgraduate

Haberleşme Kodlama Teknikleri, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Kaotik Sistemlerin Elektronik Devre Uygulamaları, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Undergraduate

Probability and Statistic, Undergraduate, 2022 - 2023, 2021 - 2022

Web Programlama, Undergraduate, 2016 - 2017, 2015 - 2016

SAYISAL HABERLEŞME VE LABORATUVARI, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013

KABLOSUZ HABERLEŞME, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Sayısal Analiz, Undergraduate, 2016 - 2017

İstatistik ve Olasılık, Undergraduate, 2016 - 2017

Bilişim Etiği, Undergraduate, 2016 - 2017

Web Teknolojileri, Undergraduate, 2016 - 2017

ENSTRÜMANTASYON ELEKTRONİĞİ, Undergraduate, 2014 - 2015, 2013 - 2014

Web Tabanlı Programlama, Undergraduate, 2013 - 2014

Devre Analizi 2, Undergraduate, 2013 - 2014, 2012 - 2013

Görsel Programlama, Undergraduate, 2013 - 2014

Bilgisayar Destekli Tasarım, Undergraduate, 2013 - 2014

Devre Analizi 1, Undergraduate, 2013 - 2014

Bilgisayar 1, Undergraduate, 2013 - 2014

Bilgisayarlı Sunum Teknikleri, Undergraduate, 2012 - 2013

Bilgisayara Giriş ve Programlama, Undergraduate, 2012 - 2013

Supervised Theses

KÖKSAL A. S., Meyve bahçelerinin sulama kontrolü amaçlı kablosuz sensör ağları tabanlı sistem tasarımı, Postgraduate, S.ÜNAL(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Detection of OSA Through the Application of Deep Learning on Polysomnography Data**
Ulutaş H., Arslan R. S., Şahin M. E., Coşar H. İ., Arısoy Ç., Köksal A. S., Bakır M., Çiftçi B.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.30, no.6, pp.29-36, 2024 (SCI-Expanded)
- II. **Halvorsen chaotic system based microwave absorber modelling for fighter jet stealth technologies**
Colak B., Karaaslan M., Alkurt F. O., BAKIR M., Akdogan V., Oral M., KÖKSAL A. S.
Optik, vol.317, 2024 (SCI-Expanded)
- III. **Multiband absorber design and optimization with Lorenz chaotic attractor**
KÖKSAL A. S., ÜNAL S.
Physica Scripta, vol.98, no.11, 2023 (SCI-Expanded)
- IV. **End-to end decision support system for sleep apnea detection and Apnea-Hypopnea Index calculation using hybrid feature vector and Machine learning**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
Biocybernetics and Biomedical Engineering, vol.43, no.4, pp.684-699, 2023 (SCI-Expanded)
- V. **Tree-Based Machine Learning Techniques for Automated Human Sleep Stage Classification**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
Traitement du Signal, vol.40, no.4, pp.1385-1400, 2023 (SCI-Expanded)
- VI. **Sensitive deep learning application on sleep stage scoring by using all PSG data**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
NEURAL COMPUTING & APPLICATIONS, vol.35, no.10, pp.7495-7508, 2023 (SCI-Expanded)
- VII. **Automated sleep scoring system using multi-channel data and machine learning**
Arslan R. S., Ulutaş H., Köksal A. S., Bakır M., Çiftçi B.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.146, 2022 (SCI-Expanded)
- VIII. **High Sensitive Metamaterial Sensor for Water Treatment Centres**

BAKIR M., Dalgac S., ÜNAL E., KARADAĞ F., DEMİRCİ M., KÖKSAL A. S., AKGÖL O., KARAASLAN M.
WATER AIR AND SOIL POLLUTION, vol.230, no.12, 2019 (SCI-Expanded)

- IX. **A secure communication using cascade chaotic computing systems on clinical decision support**
KÖKSAL A. S., Er O., Evirgen H., YUMUŞAK N.
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol.61, no.3, pp.323-329, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of the IPv6 Transition Policies in Sakarya University**
EVİRGEN H., KÖKSAL A. S., YÜZKOLLAR C., ER O.
Electronic Letters on science and engineering, vol.9, no.2, pp.1-5, 2013 (Peer-Reviewed Journal)

Peer Reviews in Scientific Publications

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, March 2024
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, October 2023

Metrics

Publication: 11
Citation (WoS): 15
Citation (Scopus): 52
H-Index (WoS): 1
H-Index (Scopus): 4

Non Academic Experience

SAKARYA ÜNİVERSİTESİ, Bilgisayar İşletmeni
SOMAŞ ASANSÖR SANAYİ, Mühendis