

Asst. Prof. İRFAN KÖSESOY

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Sakarya University, Faculty Of Computer And Information Sciences, Department Of Computer Engineering, Turkey 2012 - 2018

Postgraduate, Trakya University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2009 - 2011

Undergraduate, Trakya University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Research Areas

Numerical Algorithms, Computer Vision, bioinformatics, Data Representation and Storage, Knowledge Engineering, Computer Learning, Pattern Recognition and Image Processing, Neural Networks

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Yazılım Mühendisliği, 2021 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Yalova University, Siver Security Application And Research Center, 2020 - 2020

Assistant Manager of Research and Application Center, Yalova University, Entrepreneurship And Business Administration Application And Research Center, 2019 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. A Novel Data-Driven Attack Method on Machine Learning Models

Sadıkoğlu E., Kösesoy İ., Gök M.

JOURNAL OF UNIVERSAL COMPUTING SCIENCE, vol.30, no.3, pp.402-417, 2024 (SCI-Expanded)

- II. **Motion detection in moving camera videos using background modeling and FlowNet**
Delibasoglu I., KÖSESOY İ., KOTAN M., Selamet F.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, vol.88, 2022 (SCI-Expanded)
- III. **Prediction of host-pathogen protein interactions by extended network model.**
Kösesoy İ., Gök M., Kahveci T.
Turkish journal of biology = Turk biyoloji dergisi, vol.45, pp.138-148, 2021 (SCI-Expanded)
- IV. **A new sequence based encoding for prediction of host-pathogen protein interactions**
Kosesoy İ., Gok M., Oz C.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.78, pp.170-177, 2019 (SCI-Expanded)
- V. **PROSES: A Web Server for Sequence-Based Protein Encoding**
Kosesoy İ., Gok M., Oz C.
JOURNAL OF COMPUTATIONAL BIOLOGY, vol.25, no.10, pp.1120-1122, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Evolution and Impact of Large Language Model Chatbots in Social Media: A Comprehensive Review of Past, Present, and Future Applications**
Sadıkoğlu E., Gök M., Mijwil M. M., Kösesoy İ.
Veri Bilimi, vol.6, no.2, pp.67-76, 2023 (Peer-Reviewed Journal)
- II. **Prediction of POMA-G Score from Spatiotemporal Gait Parameters**
Kösesoy İ.
DÜMF Mühendislik Dergisi, vol.14, no.4, pp.555-561, 2023 (Peer-Reviewed Journal)
- III. **Acquiring Kinematics of Lower extremity with Kinect**
Kösesoy İ.
Avrupa Bilim ve Teknoloji Dergisi, no.32, pp.92-100, 2021 (Peer-Reviewed Journal)
- IV. **Nesnelerin İnterneti Güvenliğinde Blok Zinciri Uygulamaları**
Kösesoy İ.
Veri Bilimi, vol.2, no.1, pp.1-9, 2019 (Peer-Reviewed Journal)
- V. **Reliability and validity of an innovative method of ROM measurement using Microsoft Kinect V2**
Kosesoy İ., Oz C., Aslan F., Koroglu F., Yigilitas M.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.5, pp.915-920, 2018 (ESCI)
- VI. **A Toolbox for Teaching Image Fusion in Matlab**
Kösesoy İ., Çetin M., Tepecik A.
Procedia - Social and Behavioral Sciences, vol.197, no.1, pp.525-530, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Utilizing Artificial Intelligence Techniques to Improve the Performance of Wireless Nodes**
Mijwil M. M., Gök M., Doshi R., Hiran K. K., Kösesoy İ.
in: Applications of Artificial Intelligence in Wireless Communication Systems, Karan Kumar, Editor, IGI Global, Pennsylvania, pp.150-162, 2023
- II. **Blok Zincir Teknolojisi ile Tedarik Zinciri Uygulamaları**
Yılmaz S., Kösesoy İ., Akkın N. F.
in: Küreselleşen Dünyada Mühendislik ve Mimarlık, Doç. Dr. M. Sait CENGİZ, Dr. Öğr. Üyesi Umut ÖZKAYA, Editor, Duvar Yayınları, Ankara, pp.5-20, 2023
- III. **Uydu Görüntülerinin Zenginleştirilmesinde IHS Tabanlı Yöntemler**
KÖSESOY İ.
Türkiye Alim Kitapları, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Prediction of Software Security Vulnerabilities from Source Code Using Machine Learning Methods**
Mandal D., KÖSESOY İ.
2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023
- II. **Fake Account Detection on Twitter using Machine Learning Algorithms**
KÖSESOY İ.
2nd International Conference on Data Science and Applications (ICONDATA), Balıkesir, Turkey, 3 - 06 October 2019
- III. **Effect of positive-negative class ratios on prediction of protein interactions**
KÖSESOY İ., GÖK M., ÖZ C.
International Conference on Data Science and Applications (ICONDATA), 4 - 07 October 2018
- IV. **Validation of an innovative method of range-of-motion measurement using Microsoft Kinect V2**
KÖSESOY İ., ÖZ C.
21th International Conference on Engineering Technology, Computer, Basic Applied Sciences (ECBA-2016), Bangkok, Thailand, 13 - 14 May 2016
- V. **A Comparative Study of Different IHS Transformation Models with a Tradeoff Parameter**
DELİBAŞOĞLU İ., KÖSESOY İ., İLHAN H. O.
International Conference on Applied Science and Engineering, Seoul, South Korea, 6 - 10 August 2014
- VI. **Kinect ile Temel Yürüme Parametrelerinin Elde Edilmesi**
KÖSESOY İ., DELİBAŞOĞLU İ., ÖZ C.
2nd INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 18 - 20 June 2014
- VII. **Nudity Detection Using Face-Body Ratio**
ASLAN F., KÖSESOY İ.
2 INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 18 - 20 June 2014
- VIII. **Real-Time Traffic Data Acquisition by Using GMR Sensors Towards a Design of Real-Time Traffic Analyze System**
DELİBAŞOĞLU İ., KÖSESOY İ., Akbaş A.
19th ITS World Congress, 22 - 26 October 2012
- IX. **A comparative analysis of image fusion methods**
KÖSESOY İ., ÇETİN M., TEPECİK A.
2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Turkey, 18 - 20 April 2012

Supported Projects

Kösesoy İ., Konyar M. Z., Kaplan K., Gündüz H., Project Supported by Higher Education Institutions, Protein İkincil Yapısının Hesaplamalı Yöntemlerle Tahmini, 2023 - 2024
Kösesoy İ., Kösece Ö., Technopark, Bulut Tabanlı Zeki Depo Yönetim (OPTIMUS i-WMS), 2023 - 2024

Scientific Refereeing

Technopark, Kocaeli University, Turkey, August 2023
Technopark, Kocaeli University, Turkey, March 2023

Tasks In Event Organizations

Kösesoy İ., Solak S., INTERNATIONAL CONFERENCE ON CYBER SECURITY AND DIGITAL FORENSICS (ICONSEC) 2021,
Scientific Congress, Yalova, Turkey, Haziran 2021

Metrics

Publication: 23

Citation (WoS): 8

Citation (Scopus): 14

H-Index (WoS): 2

H-Index (Scopus): 2