Asst. Prof. MEHMET CEMİL KALE

Personal Information

Email: mckale@ogu.edu.tr
Web: https://avesis.ogu.edu.tr/mckale

International Researcher IDs
ORCID: 0000-0003-4932-1713
Publons / Web Of Science ResearcherID: AAY-8040-2020
ScopusID: 12753314700
Yoksis Researcher ID: 156428

Education Information

Doctorate, Ohio State University, Yüksek Lisans Okulu, Elektrik Mühendisliği, United States Of America 2002 - 2008
Undergraduate, Anadolu University, Faculty Of Engıneerıng-Archıtecture, Department Of Electrıcal And Electronıc Engıneerıng, Turkey 1997 - 2002

Dissertations

Doctorate, Multispectral co-occurence analysis for medical image processing, Ohio State University, Elektrik Mühendisliği, 2007
Doctorate, Multispectral Co-occurrence Analysis for Medical Image Processing, Ohio State University, Electrical And Computer Engineering, 2007

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Elektronik ve Otomasyon, 2015 - Continues
Assistant Professor, Bilecik Seyh Edebali University, Faculty Of Engıneerıng, Department Of Electrıcal And Electronıcs Engıneerıng, 2011 - 2013

Courses

Haberleşme Teknolojileri, Associate Degree, 2017 - 2018, 2016 - 2017
Statik Mukavemet ve Dinamiğin Temelleri, Associate Degree, 2017 - 2018, 2016 - 2017
Fizik, Associate Degree, 2017 - 2018, 2016 - 2017
Otomotivde Mekatronik Sistemler, Associate Degree, 2017 - 2018, 2016 - 2017
Endüstriyel Uygulamalar 1, Associate Degree, 2017 - 2018
Endüstriyel Uygulamalar 2, Associate Degree, 2017 - 2018, 2016 - 2017

Temel Bilgi Teknolojisi Kullanımı, Associate Degree, 2017 - 2018
Matematik, Associate Degree, 2017 - 2018
Mikrodenetleyici Tabanlı Kontrol, Associate Degree, 2017 - 2018
Proje, Associate Degree, 2017 - 2018, 2016 - 2017
Mekatroniğin Temelleri, Associate Degree, 2017 - 2018
Temel Bilgi Teknolojisi Kulllanımı, Associate Degree, 2016 - 2017
İş Sağlığı ve İş Güvenliği, Associate Degree, 2016 - 2017
Veri Toplama ve İşleme, Associate Degree, 2016 - 2017
Matematik 1, Associate Degree, 2016 - 2017
Güç Elektroniği, Associate Degree, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Development of computationally efficient biorthogonal wavelets**
KALE M. C.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.29, no.1, pp.110-121, 2021 (SCI-Expanded)
II. **A general biorthogonal wavelet based on Karhunen-Loeve transform approximation**
KALE M. C.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.10, no.4, pp.791-794, 2016 (SCI-Expanded)
III. **A biorthogonal wavelet design technique using Karhunen-Loeve transform approximation**
KALE M. C., Atac G., GEREK Ö. N.
DIGITAL SIGNAL PROCESSING, vol.51, pp.202-222, 2016 (SCI-Expanded)
IV. **Assessment of Feasibility to Use Computer Aided Texture Analysis Based Tool for Parametric Images of Suspicious Lesions in DCE-MR Mammography**
KALE M. C., Fleig J. D., Imal N.
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2013, 2013 (SCI-Expanded)
V. **Multispectral co-occurrence with three random variables in dynamic contrast enhanced magnetic resonance imaging of breast cancer**
Kale M. C., Clymer B. D., Koch R. M., Heverhagen J. T., Sammet S., Stevens R., Knopp M. V.
IEEE TRANSACTIONS ON MEDICAL IMAGING, vol.27, no.10, pp.1425-1431, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. **Kaldırma Düzeninde Kafes Uygulaması**
KALE M. C.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, no.2, pp.521-529, 2019 (Peer-Reviewed Journal)
II. **Kaldırma ve Altbant Melezi Bir Filtre Bankası Düzeni**
KALE M. C.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.27, no.3, pp.194-198, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Multispectral Co occurrence Analysis for Medical Image Processing A New Multispectral Approach for Co occurrence Analysis**
KALE M. C.
VDM Verlag, 2009

Refereed Congress / Symposium Publications in Proceedings

I. **Powerline Detection Using Wavelet Transform**
KALE M. C.
International Congress of Academic Research, Bolu, Turkey, 17 - 19 February 2020

II. **Wavelet Based Computer Assisted Tool on Dynamic Contrast Enhanced Magnetic Resonance Imaging**
KALE M. C.
2nd International Conference on Life and Engineering Sciences, İstanbul, Turkey, 27 - 29 June 2019

III. **Biorthogonal Wavelet Vanishing Moment Increment Technique**
KALE M. C., Atac G., GEREK Ö. N.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.775-778

IV. **Lifting Wavelet Design by Block Wavelet Transform Inversion**
KALE M. C., GEREK Ö. N.
2014 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP), 4 - 09 May 2014

V. **Quantification of the accuracy and reproducibility of standardized methods for determining tumor metabolic volume and standardized uptake values**
ZHANG J., HALL N., KALE M. C., HURLEY D., KNOPP M.
The Journal of Nuclear Medicine, United States Of America, 01 May 2006

VI. **Dynamic contrast enhanced magnetic resonance imaging parameter based computer assisted diagnostic tool using three random variable co occurrence approach**
KALE M. C., CLYMER B. D., HEVERHAGEN J. T., KNOPP M. V.
Signal and Image Processing (SIP 2005), Proceedings of the IASTED International Conference, 15 - 17 August 2005

Metrics

Publication: 14
Citation (WoS): 15
Citation (Scopus): 17
H-Index (WoS): 2
H-Index (Scopus): 3

Non Academic Experience

Grundig Elektronik AG
Ohio State University