

Assoc. Prof. ÖZKAN KAFADAR



Personal Information

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Anabilim Dalı, Turkey 2010 - 2015

Post Graduate, Sakarya University, Institute Of Science, Jeofizik Mühendisliği Anabilim Dalı, Turkey 2001 - 2010

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1995 - 1999

Biography

Ozkan Kafadar was born in Erzurum, Turkey, in 1978. He received the B.S. degree and M.S. degree in geophysics engineering from the University of Kocaeli and University of Sakarya, Turkey, in 1999 and 2009, respectively. He received Ph.D. degree in geophysics engineering from the University of Kocaeli in 2015. Since 2001, he has been a lecturer with the Department of Computer Programming, University of Kocaeli. During his Ph.D. studies, he worked on designation of computer aided multi-channel seismic signal recorder and data processing. His current researches are related with hardware and software development for engineering and medical applications, embedded systems, and image processing.

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, Certified Microsoft Innovative Educator, Microsoft, 2016

IT, C# Programlama Eğitimi, Microsoft, 2008

IT, Microsoft Visual Basic.Net, Microsoft, 2004

IT, Bilgisayar Programcılığı Bölümleri Toplantısı, Microsoft, 2003

Dissertations

Doctorate, Designation of computer aided seismic recording module and data processing, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Ana Bilim Dalı, 2015

Post Graduate, Modelling of magnetic datas of Gulf of Saros using enhanced local wave number method, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Ana Bilim Dalı, 2009

Research Areas

Geophysical Engineering, Applied Geophysics, Search Seismology, Gravity, Computer Sciences, Equipment, Application Based Architecture, Software, Soft Computing, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli University, Kocaeli Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2020 - Continues
Lecturer PhD, Kocaeli University, Köseköy Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2015 - 2020
Lecturer, Kocaeli University, Köseköy Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2001 - 2015

Academic and Administrative Experience

Assistant Director of Vocational School, Kocaeli University, Kocaeli Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2020 - 2020

Courses

VERİ YAPILARI VE ALGORİTMALAR, Under Graduate, 2020 - 2021
NESNEYE YÖNELİK PROGRAMLAMA, Under Graduate, 2020 - 2021
VERİTABANI YÖNETİM SİSTEMLERİ-II, Associate Degree, 2020 - 2021
VERİ YAPILARI VE PROGRAMLAMA, Associate Degree, 2020 - 2021
C# PROGRAMLAMA, Associate Degree, 2020 - 2021
SİSTEM ANALİZİ, Associate Degree, 2020 - 2021
VERİTABANI YÖNETİM SİSTEMLERİ-I, Under Graduate, 2020 - 2021
NESNE YÖNELİMLİ PROGRAMLAMA, Associate Degree, 2018 - 2019
PHP İLE WEB PROGRAMLAMA, Associate Degree, 2018 - 2019
VERİTABANI YÖNETİM SİSTEMLERİ-II, Associate Degree, 2018 - 2019
İNTERNET PROGRAMCILIĞI-II, Associate Degree, 2018 - 2019
GÖRÜNTÜ İŞLEME, Under Graduate, 2018 - 2019
ADO.NET, Associate Degree, 2018 - 2019
VERİ YAPILARI VE PROGRAMLAMA, Associate Degree, 2018 - 2019
ASP.NET AJAX VE MOBİL UYGULAMALAR, Associate Degree, 2018 - 2019
VERİTABANI YÖNETİM SİSTEMLERİ-I, Associate Degree, 2018 - 2019
GÖMÜLÜ SİSTEM TASARIMI, Under Graduate, 2017 - 2018
BİLGİSAYAR PROGRAMLAMA, Under Graduate, 2017 - 2018
XML WEB SERVİSLERİ, Associate Degree, 2016 - 2017
BİLGİSAYAR DESTEKLİ ÇİZİM, Under Graduate, 2014 - 2015

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

- RaspMI: Raspberry Pi Assisted Embedded System for Monitoring and Recording of Seismic Ambient Noise**
KAFADAR Ö.
IEEE SENSORS JOURNAL, vol.21, no.5, pp.6306-6313, 2021 (Journal Indexed in SCI)
- An improved approach for detecting the locations of the maxima in interpreting potential field data**
Luan Thanh Pham L. T. P. , KAFADAR Ö., ÖKSÜM E., Eldosouky A. M.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.1, 2021 (Journal Indexed in SCI)

- III. **A geophone-based and low-cost data acquisition and analysis system designed for microtremor measurements**
Kafadar Ö.
GEOSCIENTIFIC INSTRUMENTATION METHODS AND DATA SYSTEMS, vol.9, pp.365-373, 2020 (Journal Indexed in SCI)
- IV. **Analysis of strong ground motion data from the Van earthquake (Turkey), 2011**
Beyhan G., Keskinsezer A., Kafadar Ö.
Geomechanics and Engineering, vol.5, no.1, pp.253-270, 2019 (Journal Indexed in SCI Expanded)
- V. **CURVGRAV-GUI: a graphical user interface to interpret gravity data using curvature technique**
Kafadar Ö.
Earth Science Informatics, vol.10, pp.525-537, 2017 (Journal Indexed in SCI)
- VI. **A Computer-Aided Data Acquisition System for Multichannel Seismic Monitoring and Recording**
Kafadar Ö., Sertçelik İ.
IEEE Sensors Journal, vol.16, pp.6866-6873, 2016 (Journal Indexed in SCI)
- VII. **Comment on: I. Sertcelik and O. Kafadar, "Application of edge detection to potential field data using eigenvalue analysis of structure tensor" Reply**
SERTÇELİK İ., KAFADAR Ö.
JOURNAL OF APPLIED GEOPHYSICS, vol.101, pp.144, 2014 (Journal Indexed in SCI)
- VIII. **Use of the Two Dimensional Gabor Filter to Interpret Magnetic Data Over the Marmara Sea, Turkey**
Sertçelik İ., Kafadar Ö., Kurtulus C.
Pure and Applied Geophysics, vol.170, pp.887-894, 2013 (Journal Indexed in SCI)
- IX. **Structural interpretation of the Erzurum Basin, eastern Turkey, using curvature gravity gradient tensor and gravity inversion of basement relief**
Oruç B., Sertçelik İ., Kafadar Ö., Selim H.
Journal of Applied Geophysics, vol.88, pp.105-113, 2013 (Journal Indexed in SCI)
- X. **Application of edge detection to potential field data using eigenvalue analysis of structure tensor**
Sertçelik İ., Kafadar Ö.
Journal of Applied Geophysics, vol.84, pp.86-94, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Estimation of the Depth And Shape of the Source From Derivatives of Residual Gravity Data Using the Parametric Curves Technique: A Case Study From Erzincan-Çayirli Region, Turkey**
Kafadar Ö.
Erzincan University Journal of Science and Technology, vol.12, pp.294-305, 2019 (Other Refereed National Journals)
- II. **Manyetik Anomalilerin Şekil ve Derinlik Çözümleri**
Sertçelik İ., Kafadar Ö.
Uygulamalı Yerbilimleri Dergisi, vol.6, no.1, pp.25-28, 2007 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Model Study for Evaluation of Post Earthquake Locations and Houses of Special Required Individuals**
TUNÇ S., TUNÇ B., ÇAKA D., KAFADAR Ö., SONDAŞ A.
International Disaster and Resilience Congress, Eskişehir, Turkey, 26 - 28 June 2019
- II. **Özel Gereksinimli Bireylerin Deprem Sonrası Konumlarının ve Konutlarının Değerlendirilmesi İçin Model Çalışma**
TUNÇ S., TUNÇ B., ÇAKA D., KAFADAR Ö., SONDAŞ A.

Özel Gereksinimli Bireyler İçin Afet Risklerinin Azaltılması Çalıştayı, Eskişehir, Turkey, 12 - 13 February 2019

- III. **A Developed Computer-Aided Earthquake Warning System Using Basic Electronic Components And Integrated Circuits**
KAFADAR Ö.
9th Congress of the Balkan Geophysical Society (BGS2017), Antalya, Turkey, Turkey, 5 - 09 November 2017
- IV. **Interpretation of Magnetic Data of SINOP Region and Its Surroundings**
KAFADAR Ö., SERTÇELİK İ.
International Conference on Innovative Trends in Engineering, Technology, Computers and Applied Sciences(ITETCAS), Tokyo, Japan, 8 - 09 July 2017
- V. **Real Time Monitoring of ECG Signals using Raspberry Pi**
KAFADAR Ö., SONDAŞ A.
20th National Biomedical Engineering Meeting (BIYOMUT), İzmir, Turkey, 3 - 05 November 2016
- VI. **Boğaziçi Üniversitesi Kandilli Rasathanesi Deprem Araştırma Enstitüsü İvme Veritabanı Oluşturulması**
TUNÇ S., AKKAR D. S. , KAFADAR Ö., BERBEROĞLU A., TAHTASIZOĞLU B.
TDMSK Konferansı 2015, 14 - 16 October 2015
- VII. **Determination of Discontinuity Boundaries Belong to Subsurface Structures Using Potential Field Data**
Kafadar Ö., Sertçelik İ.
Kocaeli 2015, 5th International Earthquake Symposium, Kocaeli, Turkey, 12 June - 15 October 2015
- VIII. **Processing and Interpretation of Magnetic Data In The Sinop Area Turkey Using Edge Detection and Enhancement Techniques**
Kafadar Ö., Sertçelik İ.
International Geophysical Conference and Oil Gas Exhibition 2012, İstanbul, Turkey, 17 - 19 September 2012, pp.1-4
- IX. **Burdur Bölgesi Bouguer Gravite Verilerinin Euler Dekonvolüsyonu İle Yorumlanması**
Keskinsezer A., Beyhan G., Karavul C., Kafadar Ö.
19. Uluslararası Jeofizik Kongre ve Sergisi, Ankara, Turkey, 23 - 26 November 2010, pp.1-5
- X. **Geliştirilmiş Yerel Dalga Sayısı Yöntemi Kullanılarak Manyetik Anomalilerin Yorumlanması ve Yöntem İçin Geliştirilmiş Bir C#.NET Programı**
Kafadar Ö., Keskinsezer A.
19. Uluslararası Jeofizik Kongre ve Sergisi, Ankara, Turkey, 23 - 26 November 2010, pp.1-5
- XI. **Investigation of Tectonic and Structural Features of The Gulf of Saros Inferred From Multichannel Seismic Reflection and Gravity Data**
Beyhan G., Keskinsezer A., Karavul C., Kutlu A. T. , Kaymaz T. A. , Kafadar Ö.
IPETGAS 2009, Ankara, Turkey, 13 - 15 May 2009, pp.1-5
- XII. **Interpretation of Magnetic Anomalies Using a Parametric Relationship**
Kafadar Ö., Sertçelik İ.
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 24 October 2007, pp.1-5

Supported Projects

Sertçelik F., Irmak T. S. , Yavuz E., Kafadar Ö., Livaoğlu H., Şentürk E., Gerdan S., Project Supported by Other Official Institutions, Performing the discrimination of natural and artificial quakes based on the earthquake stations and adapting on AFAD system, 2019 - 2021

Kafadar Ö., Sertçelik İ., TUBITAK Project, Bilgisayar Destekli Sismik Kayıt Cihazı Tasarımı Ve Verilerin Otomatik Olarak Yorumlanması, 2014 - 2015

Scientific Refereeing

JOURNAL OF KING SAUD UNIVERSITY SCIENCE, Journal Indexed in SCI-E, June 2021

Uludağ Arıcılık Dergisi, National Scientific Refreed Journal, November 2020

Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, November 2020

Bollettino Di Geofisica Teorica Ed Applicata, Journal Indexed in SCI-E, November 2020

MEASUREMENT, SCI Journal, September 2020

GEOPHYSICS, SCI Journal, November 2019

PURE AND APPLIED GEOPHYSICS, SCI Journal, March 2019

GEOPHYSICS, SCI Journal, January 2019

PURE AND APPLIED GEOPHYSICS, SCI Journal, January 2019

PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, January 2019

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, October 2018

GEOPHYSICS, SCI Journal, October 2018

International Journal-of Sensors Wireless Communications and Control, SCI Journal, September 2018

REVIEW OF SCIENTIFIC INSTRUMENTS, SCI Journal, February 2018

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, November 2017

ARABIAN JOURNAL OF GEOSCIENCES, SCI Journal, September 2017

IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, SCI Journal, March 2017

JOURNAL OF APPLIED GEOPHYSICS, SCI Journal, November 2016

DIGITAL SIGNAL PROCESSING, SCI Journal, November 2016

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, SCI Journal, June 2016

IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS, SCI Journal, June 2016

Citations

Total Citations (WOS):84

h-index (WOS):4