Assoc. Prof. İLHAMİ MUHARREM ORAK

Personal Information

Email: imorak@karabuk.edu.tr
Web: https://avesis.karabuk.edu.tr/imorak

Education Information

Doctorate, University Of Sheffield, Automatic Control And Systems Engineering, United Kingdom 1990 - 1994
Under Graduate, İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey
1985 - 1989

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Assistant Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - Continues

Professional Experience

Erasmus Coordinator, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - Continues
Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - Continues
Deputy Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - 2013

Courses

VERİ İLETİŞİM SİSTEMLERİ, Under Graduate, 2016 - 2017, 2017 - 2018
DATA COMMUNİCATİON SYSTEMS, Under Graduate, 2016 - 2017, 2017 - 2018
VERİTABANI YÖNETİMİ, Under Graduate, 2016 - 2017
VERİ MADENCİLİĞİ, Post Graduate, 2016 - 2017
DATABASE MANAGEMENT, Under Graduate, 2016 - 2017

Advising Theses

ORAK İ. M. , Elektrookulogram (EOG) sinyalinin incelenmesi ve yapay zekâ teknikleri ile modellenmesi, Doctorate,
H.ERKAYMAZ(Student), 2014

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

I.   **A parallel algorithm for defect detection of rail and profile in the manufacturing**

ORAK İ. M. , ÇELİK A.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, pp.439-448, 2017 (Journal Indexed in SCI)

II. **Detection of directional eye movements based on the electrooculogram signals through an artificial neural network**

Erkaymaz H., ÖZER M., ORAK İ. M.

CHAOS SOLITONS & FRACTALS, vol.77, pp.225-229, 2015 (Journal Indexed in SCI)

III. **Artificial neural network application for modeling the rail rolling process**

ALTINKAYA H., ORAK İ. M. , ESEN İ.

EXPERT SYSTEMS WITH APPLICATIONS, vol.41, pp.7135-7146, 2014 (Journal Indexed in SCI)

IV. **Fingerprint Pre-processing on ARM and DSP Platforms**

Gok M., Gorgunoglu S., ORAK İ. M.

ELEKTRONIKA IR ELEKTROTECHNIKA, vol.20, pp.140-143, 2014 (Journal Indexed in SCI)

V. **Examination of Speed Contribution of Parallelization for Several Fingerprint Pre-Processing Algorithms**

Gorgunoglu S., ORAK İ. M. , Cavusoglu A., Gok M.

ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.14, pp.3-8, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **An Attempt at Automatic Label Generation for Object Entry and Exit on Multimedia with a Semantic Search**

MENEMENCİOĞLU O., ORAK İ. M.

TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS, vol.7, pp.25-32, 2018 (Journal Indexed in ESCI)

II. **A Simple Solution to Prevent Parameter Tampering in Web Applications**

MENEMENCİOĞLU O., ORAK İ. M.

THREAT MITIGATION AND DETECTION OF CYBER WARFARE AND TERRORISM ACTIVITIES, pp.1-20, 2017 (Refereed Journals of Other Institutions)

III. **Semantik arama ile multimedya verilerin anlamlandırılması için ön işlemler**

MENEMENCİOĞLU O., ORAK İ. M.

İleri Teknoloji Bilimleri Dergisi, vol.5, pp.131-143, 2016 (Other Refereed National Journals)

IV. **A Review on Semantic Text and Multimedia Retrieval and Recent Trends**

MENEMENCİOĞLU O., ORAK İ. M.

INTERNATIONAL JOURNAL OF MULTIMEDIA DATA ENGINEERING & MANAGEMENT, vol.6, pp.54-74, 2015 (Journal Indexed in ESCI)

V. **An idea for finding the shortest driving time using genetic algorithm based routing approach on mobile devices**

ATİLA Ü., KARAŞ İ. R. , GÖLOĞLU C., yaman b., ORAK İ. M.

International Journal of Mathematics and Computers in Simulation, vol.6, pp.9-16, 2012 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **A Simple Solution to Prevent Parameter Tampering in Web Applications**

MENEMENCİOĞLU O., ORAK İ. M.

in: Threat Mitigation and Detection of Cyber Warfare and Terorism Activities, Maximiliano E. Korstanje, Editor, IGI-Global, Hershey, pp.1-20, 2016

II. **A Simple Solution to Prevent Parameter Tampering in Web Applications**

MENEMENCİOĞLU O., ORAK İ. M.

in: Threat Mitigation and Detection of Cyber Warfare and Terrorism Activities, Korstanje Maximiliano E., Editor, Information Science Reference, Hershey, PA, pp.1-20, 2016

III. **A review on semantic text and multimedia retrieval and recent trends**
MENEMENCİOĞLU O., ORAK İ. M.

in: Mobile computing and wireless networks Concepts methodologies tools and applications, Mehdi Khosrow-Pour, Editor, IGI Global, pp.107-127, 2015

IV. **A Review on Semantic Text and Multimedia Retrieval and Recent Trends**
MENEMENCİOĞLU O., ORAK İ. M.

in: Mobile Computing and Wireless Networks Concepts Methodologies Tools and Applications, Khosrow-Pour Mehdi, ClarkeSteve, Jennex Murray E., Becker Annie, Anttiroiko Ari-Veikko, Editor, Information Science Reference, Hershey PA, pp.107-127, 2015

Refereed Congress / Symposium Publications in Proceedings

I. **YAPAY SİNİR AĞLARI İLE ÇUBUK KANGALHADDE PARAMETRELERİNİN BELİRLENMESİ**
Çetinkaya S., ORAK İ. M.
ISPEC7th INTERNATIONALCONFERENCE ONENGINEERING NATURAL SCIENCES, İzmir, Turkey, 8 - 10 May 2020

II. **Profil Kesit Ölçülerinin Çıkarılmasına Yönelik Görüntü Tanıma Tabanlı Bir Yaklaşım**
Şeker Ş., ORAK İ. M.
3rd INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM (INERS'xx19), Düzce, Turkey, 5 - 07 September 2019

III. **An attempt for face recognition by using Dlib and k-NN**
Aydın M. T. , MENEMENCİOĞLU O., ORAK İ. M.
3rd INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM (INERS'xx19), Düzce, Turkey, 5 - 07 September 2019

IV. **IPv6 Yönlendirme Protokollerinin Ağdaki Değişikliklere Göre Performans Analizi**
Kocabaş E., ORAK İ. M.
3rd INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM (INERS'xx19), Düzce, Turkey, 5 - 07 September 2019

V. **Social Media Analysis Using Twitter Data**
Dönmez M. S. , ORAK İ. M.
3rd INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM (INERS'xx19), Düzce, Turkey, 5 - 07 September 2019

VI. **A Suggestion for Electronic Election SystemBased on Blockchain**
Esen B., Özyurt M., ORAK İ. M.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), Alanya/Antalya, Turkey, 26 - 28 April 2019

VII. **Detection of Defects of Rolling Rolls by Deep Learning Method**
ÖZDEM S., ORAK İ. M. , ÇİÇEK B.
The Proceedings of Fourth International Iron and Steel Symposium (UDCS'19)April 4-6, 2019, Karabuk University, Karabuk, Turkey., 4 - 06 April 2019

VIII. **The Management and Configuration System for Low Cost Portable Crypto Device in an Embedded System**
ORAK İ. M. , yıldız ö.
International Conference on Cyber Security and Computer Science (ICONCS'18), Karabük, Turkey, 18 - 20 October 2018, pp.6-8

IX. **GEOGRAPHICAL ASSESMENT OF RESULTS FROM PREVENTING THE PARAMETER TAMPERING IN A WEB APPLICATION**
MENEMENCİOĞLU O., ORAK İ. M.
4th International GeoAdvances Workshop, 14 - 15 October 2017

X. **Görüntü İşleme Yöntemiyle Haddelenmiş Ürün Yapısındaki Kusur Konumunu Tespit Eden Bir Çalışma**
ÇELİK A., ORAK İ. M.
3rd International Symposium on Railway Systems Engineering, 13 - 15 October 2016

XI. **Using l0 l1 and l2 Norm Methods in Detecting Rail and Profile Surface Defects**
ÇELİK A., ORAK İ. M.
1st INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND APPLIED SCIENCES, Afyon, Turkey, 21 - 22 April 2016, pp.315-318

XII. **Semantic Querying on Multimedia Data**
MENEMENCİOĞLU O., ORAK İ. M.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1069-1072

XIII. **Semantik arama ile multimedya verilerin anlamlandırılması için ön işlemler**
MENEMENCİOĞLU O., ORAK İ. M.
2015 Ulusal Mühendislik Araştırmaları Sempozyumu, Düzce, Turkey, 10 - 12 September 2015, pp.141

XIV. **An Approach for Recognizing Turkish Sign Language Characters with Gesture Control Device**
KATILMIŞ Z., ORAK İ. M. , DUYSAK A.
ISITES 2015, Valencia, Spain, 3 - 05 June 2015, pp.2088-2094

XV. **Parallel noise removing process on hot rolled rail images for defect detection**
ORAK İ. M. , ÇELİK A.
4th World Conference on Innovation and Computer Sciences (INSODE-2014), Roma, Italy, 11 - 13 April 2014, vol.7, pp.136-143

XVI. **EOG Based Intelligent Direction Detect System with Pre-Filtering Algorithm**
Erkaymaz H., ÖZER M., Kaya C., ORAK İ. M.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1228-1231

XVII. **Semantik Web Arama Motoru Üzerine Bir İnceleme**
MENEMENCİOĞLU O., ORAK İ. M.
2nd International Symposium On Innovative Technologies In Engineering And Science, ISITES2014, Karabük, Turkey, 18 - 20 June 2014, pp.614-623

XVIII. **Akademik Özgeçmiş Tabanlı Fakülte Bilgi Sistemi**
MENEMENCİOĞLU O., SONUÇ E., KARAŞ İ. R. , ORAK İ. M.
Akademik Bilişim 2013, Turkey, 23 - 25 January 2014

XIX. **A Review on Semantic Web and Recent Trends in its Applications**
MENEMENCİOĞLU O., ORAK İ. M.
8th IEEE International Conference on Semantic Computing, California, United States Of America, 16 - 18 June 2014, pp.297-303

XX. **Electrooculogram and Diplopia Controlled Fuzzy Direction Detect System**
Erkaymaz H., ORAK İ. M. , ÖZER M.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.265-268

XXI. **E-Commerce According To Hobby**
ŞEHİRLİ E., ORAK İ. M.
3rd Cyprus International Conference on Educational Research (CY-ICER), Nicosia, CYPRUS, 30 January - 01 February 2014, vol.143, pp.1144-1147

XXII. **Ray haddeleme sisteminde tandem parametrelerinin yapay sinir ağı ile belirlenmesİ**
ALTINKAYA H., ORAK İ. M. , ESEN İ.
2nd International Symposium on Railway Systems Engineering, (ISERSE'13), Karabük, Turkey, 9 - 11 October 2013, pp.229-236

XXIII. **Raylı Sistemlerde Sinyalizasyon ve Zonguldak Ankara Demiryolundaki Sinyalizasyonun Bulanık Mantıkla Gerçeklenmesi**
Yılmaz M., Ekmekci D., Orak İ. M.
1. Uluslararası Raylı Sistemler Mühendisliği Çalıştayı (IWRSE'12), Karabük, Turkey, 11 - 13 October 2012

XXIV. **SICAK HADDELEME İŞLEMLERİNİN OPTIMIZASYONU İÇIN BIR SIMÜLASYON YAZILIMI**
ORAK İ. M. , ALTINKAYA H., KARAOĞLAN K. M.

IWRSE'12, Karabük, Turkey, 11 - 13 October 2012

XXV. **Ray haddeleme sisteminde ön haddeleme BD1 parametrelerinin yapay sinir ağı ile belirlenmesi**
ALTINKAYA H., ORAK İ. M. , ESEN İ.
1st International Workshop on Railway Systems Engineering (IWRSE'12), Karabük, Turkey, 11 - 13 October 2012, pp.303-310

XXVI. **Ölçüm Parametrelerinin Motor Performansına Etkisinin Ysa Kullanılarak Tespit Edilmesi**
Yılmaz M., Ekmekci D., Orak İ. M.
International Iron Steel Symposium, Karabük, Turkey, 2 - 04 April 2012

XXVII. **Fast and simple computer aided internal electrical wiring project design & integration of calculations**
ORAK İ. M. , Akgul B.
1st World Conference on Innovation and Software Development (INSODE), İstanbul, Turkey, 2 - 10 October 2011, vol.1, pp.280-285

XXVIII. **Transferring of information in the technical pictures as digital data to control program and doing optimization for profile cutting and drilling machine**
Orak I. M. , Yildiz M.
1st World Conference on Innovation and Software Development (INSODE), İstanbul, Turkey, 2 - 10 October 2011, vol.1, pp.505-513

XXIX. **Designing workshop management system supporting decision making with OODB**
ORAK İ. M. , Yaman B., Guerrini G.
1st World Conference on Innovation and Software Development (INSODE), İstanbul, Turkey, 2 - 10 October 2011, vol.1, pp.19-23

XXX. **Sinter Fan Motoru Performansının YSA ile Tespit Edilmesi**
YILMAZ M., EKMEKCİ D., ORAK İ. M.
Elektrik-Elektronik ve Bilgisayar Sempozyumu, Elazığ, Turkey, 5 - 07 October 2011, pp.157-162

XXXI. **SİNTER FAN MOTORU PERFORMANSININ YSA İLE TESPİT EDİLMESİ**
YILMAZ M., EKMEKCİ D., ORAK İ. M.
Fırat Üniversitesi Mühendislik Fakültesi Elektrik-Elektronik ve Bilgisayar Sempozyumu 2011, Elazığ, Turkey, 5 - 07 October 2011, vol.1, pp.157-162

XXXII. **Design of a Route Guidance System with Shortest Driving Time Based on Genetic Algorithm 8 10 March 2011 Venice Italy**
ATİLA Ü., KARAŞ İ. R. , GÖLOĞLU C., yaman b., ORAK İ. M.
10th WSEAS International Conference on Applied Computer and Applied Computational Science ACACOS 11, Venice, Italy, 8 - 10 March 2011

XXXIII. **ÖLÇÜM PARAMETRELERİNİN MOTOR PERFORMANSINA ETKİSİNİN YSA KULLANILARAK TESPİT EDİLMESİ**
YILMAZ M., EKMEKCİ D., ORAK İ. M.
International Iron Steel Symposium, Karabük, Turkey, 2 - 04 April 2012, vol.2, pp.1046-1053

Supported Projects

ORAK İ. M. , Project Supported by Higher Education Institutions, SEMANTİK WEB YAKLAŞIMI İLE MULTİMEDYA VERİLERİNDEN ANLAM ÇIKARIMI, 2013 - 2016

ORAK İ. M. , Project Supported by Higher Education Institutions, ATÖLYE MALİYETİNİN AZALTMA VE VERİMLİLİĞİ ARTIRMAYA YÖNELİK BİLGİ YÖNETİM SİSTEMİ TASARIMI, 2012 - 2013

ORAK İ. M. , Project Supported by Higher Education Institutions, EOG SİNYALİNİN YAPAY ZEKA TEKNİKLERİ İLE MODELLENMESİ, 2012 - 2013

Citations

Total Citations (WOS):21
h-index (WOS):2