

Prof. İSMAİL RAKIP KARAŞ

Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Paleoantropoloji, Jeodezi Ve Fotogrametri Mühendisliği (Dr), Turkey 2003 - 2007

Post Graduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri Mühendisliği (YI) (Tezli), Turkey 1998 - 2001

Under Graduate, Selçuk Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, Turkey 1996 - 1997

Dissertations

Doctorate, Objelerin topolojik ilişkilerinin 3B CBS ve ağ analizi kapsamında değerlendirilmesi, Yıldız Teknik Üniversitesi, Paleoantropoloji, Jeodezi Ve Fotogrametri Mühendisliği (Dr), 2007

Post Graduate, Coğrafi bilgi sistemlerine yönelik internet uygulamaları ve yazılım geliştirme, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri Mühendisliği (YI) (Tezli), 2001

Research Areas

Geotechnical Engineering, Geographic Information Systems, Land Information Systems, Environmental Information Systems, City Information Systems, Spatial Data Infrastructures, Remote sensing, Image Processing, Laser scanning, Lidar, Computer Sciences, Computer Graphics, Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Internet-GIS, 3D-Modeling, Engineering and Technology

Academic Titles / Tasks

Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2017 - Continues

Associate Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2017

Assistant Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - 2012

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, 2000 - 2009

Professional Experience

Head of Department, Karabük Üniversitesi, Safranbolu Fethi Toker Güzel Sanatlar Ve Tasarım Fakültesi, Müzik Bölümü, 2017 - Continues

Dean, Karabük Üniversitesi, Safranbolu Fethi Toker Güzel Sanatlar Ve Tasarım Fakültesi, 2017 - Continues

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - Continues

Director of Vocational School, Karabük Üniversitesi, Safranbolu Meslek Yüksekokulu, 2015 - 2017

Deputy Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2016

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

- I. **SmartEscape: A Mobile Smart Individual Fire Evacuation System Based on 3D Spatial Model**
ATILA Ü., ORTAKCI Y., ÖZACAR K., DEMİRAL E., KARAŞ İ. R.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.7, 2018 (Journal Indexed in SCI)
- II. **Use of geographic information systems in iron and steel industry**
KARAŞ İ. R. , Demir S.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, pp.1387-1398, 2012 (Journal Indexed in SCI)
- III. **An Evacuation System For Extraordinary Indoor Air Pollution Disaster Circumstances**
KARAŞ İ. R. , KILIÇ GÜL F., ABDUL RAHMAN a.
Disaster Advances, vol.5, pp.33-40, 2012 (Journal Indexed in SCI)
- IV. **Dijkstra algorithm interactive training software development for network analysis applications in GIS**
KARAŞ İ. R. , DEMİR S.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, pp.445-452, 2011 (Journal Indexed in SCI)
- V. **A genetic algorithm approach for finding the shortest driving time on mobile devices**
KARAŞ İ. R. , Atila U.
SCIENTIFIC RESEARCH AND ESSAYS, vol.6, pp.394-405, 2011 (Journal Indexed in SCI)
- VI. **Using LiDAR technology in forestry activities**
Akay A. E. , Oğuz H., Karas I. R. , ARUGA K.
Environmental Monitoring and Assessment, vol.151, pp.117-125, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **MOBILE-WEB-BASE VOLUNTEERED GEOGRAPHIC INFORMATION APPLICATION AND GEOMETRIC ACCURACY ANALYSIS FOR TRAFFIC ACCIDENTS**
SEVİNÇ H. K. , KARAŞ İ. R. , DEMİRAL E.
ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol.432020, pp.375-378, 2020 (Refereed Journals of Other Institutions)
- II. **Landslide Susceptibility Mapping Using Shallow Neural Networks Model at Refahiye District in Turkey**
SOHAIB K. M. ABUJAYYAB S. K. M. , KARAŞ İ. R.
Turkish Journal of Remote Sensing and GIS, vol.1, pp.61-77, 2020 (Other Refereed National Journals)
- III. **APPLICATION OF EXPLORATORY SPATIAL TECHNIQUES IN THE IDENTIFICATION OF TOURISM HOTSPOTS IN THE AEGEAN REGION OF TURKEY**
Rafique A., KARAŞ İ. R. , K M Abujayyab S., Khan A. A. , DEMİRAL E.
ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol.432020, pp.351-354, 2020 (Refereed Journals of Other Institutions)
- IV. **Employing neural networks algorithm for LULC mapping**
ABUJAYYAB S. K. M. , KARAŞ İ. R.
Baltic Journal of Modern Computing, vol.8, pp.370-378, 2020 (Refereed Journals of Other Institutions)
- V. **AUTOMATED PREDICTION SYSTEM FOR VEGETATION COVER BASED ON MODIS-NDVI SATELLITE DATA AND NEURAL NETWORKS**
abujayyab s., KARAŞ İ. R.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, pp.9-15, 2019 (Refereed Journals of Other Institutions)
- VI. **Monitoring of Rainfall Level Ombrometer Observatory (OBS) Type using Android Sharp GP2Y0A41SK0F Sensor**

Yudhana A., Andriliana Y. D. , Akbar S. A. , Sunardi S., Mukhopadhyay S., KARAŞ İ. R.
International Journal of Advanced Computer Science and Applications, vol.10, 2019 (Refereed Journals of Other Institutions)

- VII. **Modification of Manual Raindrops Type Observatory Ombrometer with Ultrasonic Sensor HC-SR04**
Yudhana A., Rahmayanti J., Akbar S. A. , Mukhopadhyay S., KARAŞ İ. R.
INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.10, pp.277-281, 2019
(Journal Indexed in ESCI)

- VIII. **GEOSPATIAL MACHINE LEARNING DATASETS STRUCTURING AND CLASSIFICATION TOOL: CASE STUDY FOR MAPPING LULC FROM RASAT SATELLITE IMAGES**
abujayyab s., KARAŞ İ. R.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, pp.39-46, 2019 (Refereed Journals of Other Institutions)

- IX. **LOW DATA REQUIREMENTS FRAMEWORK FOR LANDSLIDE SUSCEPTIBILITY PREDICTION USING 3D ALOS PALSAR IMAGES AND NEURAL NETWORKS**
abujayyab s., KARAŞ İ. R.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, pp.47-54, 2019 (Refereed Journals of Other Institutions)

- X. **IOT ENABLED INDOOR NAVIGATION SYSTEM DESIGN FOR EMERGENCIES**
DURU A., KARAŞ İ. R.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, pp.61-64, 2019 (Refereed Journals of Other Institutions)

- XI. **Using mobile image recognition system for nonwood species identification in the field**
Mallah G. A. , Shaikh N. A. , KARAŞ İ. R. , AKAY A. E.
Journal of Innovative Science and Engineering, vol.2, pp.40-50, 2018 (Other Refereed National Journals)

- XII. **ROAD EXTRACTION TECHNIQUES FROM REMOTE SENSING IMAGES: A REVIEW**
KAHRAMAN İ., KARAŞ İ. R. , AKAY A. E.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol.42, pp.339-342, 2018 (Refereed Journals of Other Institutions)

- XIII. **DETERMINING THE LOCATIONS OF POTENTIAL FIREFIGHTING TEAMS BY USING GIS TECHNIQUES**
AKAY A. E. , KARAŞ İ. R. , KAHRAMAN İ.
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol.42, pp.83-88, 2018 (Refereed Journals of Other Institutions)

- XIV. **Intelligent Mobile Indoor Navigation System for Fire Evacuation Based on Artificial Neural Network**
ORTAKCI Y., KARAŞ İ. R. , ATİLA Ü., DEMİRAL E.
International Journal of Computer Science and Information Security, vol.14, pp.980-996, 2016 (Journal Indexed in ESCI)

- XV. **Road Detection from High Satellite Images Using Neural Networks**
KAHRAMAN İ., KARAŞ İ. R. , TURAN M. K.
International Journal of Modeling and Optimization, vol.5, pp.304-307, 2015 (Refereed Journals of Other Institutions)

- XVI. **Integration of CityGML and Oracle Spatial for implementing 3D network analysis solutions and routing simulation within 3D-GIS environment**
ATİLA Ü., KARAŞ İ. R. , Abdul-Rahman A.
Geo-Spatial Information Science, vol.16, pp.221-237, 2013 (Refereed Journals of Other Institutions)

- XVII. **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)

- XVIII. **Temperature Modeling of Indus Basin Using Landsat Data**
ABBASI H., SOOMRO A., MEMON A., SAMO R., KARAŞ İ. R.

Sindh University Research Journal (Science Series), vol.44, pp.177-182, 2012 (Refereed Journals of Other Institutions)

- XIX. **GIS-Based Terrain Analysis of Balakot Region after Occurred Landslide Disaster in October 2005**
Soomro A. S. , Rajput A. Q. K. , KARAŞ İ. R.
MEHRAN UNIVERSITY RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY, vol.30, pp.673-680, 2011
(Journal Indexed in ESCI)

Books & Book Chapters

- I. **3D Network Analysis for User Centric Evacuation Systems**
ATİLA Ü., KARAŞ İ. R. , ortakçı y.
in: Encyclopedia of GIS, Sheshar Shashi, Xiong Hui, Zhou Xun, Editor, Springer International Publishing Switzerland, pp.1-14, 2017
- II. **3D Network Analysis for User Centric Evacuation Systems**
ATİLA Ü., KARAŞ İ. R. , ORTAKCI Y.
in: Encyclopedia of GIS, Shashi Sheshkar, Hui Xiong, Xun Zhou, Editor, Springer International Publishing, pp.20-34, 2017
- III. **3D Network Analysis for User Centric Evacuation Systems**
ATİLA Ü., KARAŞ İ. R. , ORTAKCI Y.
in: Encyclopedia of GIS, Shashi Sheshkar, Hui Xiong, Xun Zhou, Editor, Springer, pp.1-14, 2017
- IV. **3D Network Analysis for User Centric Evacuation Systems**
ATİLA Ü., KARAŞ İ. R. , ORTAKCI Y.
in: Encyclopedia of GIS, Shashi Sheshkar, Hui Xiong, Xun Zhou, Editor, Springer International Publishing Switzerland, pp.101-114, 2016
- V. **Automatic Generation of 3D Networks in CityGML and Design of an Intelligent Individual Evacuation Model for Building Fires Within the Scope of 3D GIS**
ATİLA Ü., KARAŞ İ. R. , TURAN M. K. , ABDUL RAHMAN A.
in: Automatic Generation of 3D Networks in CityGML and Design of an Intelligent Individual Evacuation Model for Building Fires Within the Scope of 3D GIS, Innovations in 3D Geo Information Sciences Series Lecture Notes in Geoinformation and Cartography, Published in 2014, U. Isikdag, Editor, Springer International Publishing Switzerland, pp.123-142, 2014
- VI. **Automatic Generation of 3D Networks in CityGML and Design of an Intelligent Individual Evacuation Model for Building Fires Within the Scope of 3D GIS**
ATİLA Ü., KARAŞ İ. R. , TURAN M. K. , AA R.
in: Innovations in 3D Geo Information Sciences Series Lecture Notes in Geoinformation and Cartography, Ümit Işıkdağ, Editor, Published by Springer International Publishing Switzerland, pp.123-132, 2014
- VII. **A 3D-GIS Implementation for Realizing 3D Network Analysis and Routing Simulation for Evacuation Purpose**
ATİLA Ü., KARAŞ İ. R. , Abdul Rahman A.
in: Progress and New Trends in 3D Geoinformation Sciences Series Lecture Notes in Geoinformation and Cartography, Pouliot, J. Daniel, S. Hubert, F. Zamyadi, A., Editor, Springer-Verlag Berlin Heidelberg, pp.249-260, 2013
- VIII. **Automatically Extracting 3D Models and Network Analysis for Indoors**
KARAŞ İ. R. , BATUK F., AKAY A. E. , BAZ İ.
in: Automatically Extracting 3D Models and Network Analysis for Indoors, Innovations in 3D Geoinformation Science Series Lecture Notes in Geoinformation and Cartography, Published in 2006, A. Abdul-Rahman, S. Zlatanova, V. Coors, Editor, Springer-Verlag Berlin Heidelberg, pp.395-404, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **Handling massive data size issue in buildings footprints extraction from high-resolution satellite images**
ABUJAYYAB S. K. M. , KARAŞ İ. R.
1st Eurasian BIM Forum, EBF 2019, İstanbul, Turkey, 31 May 2019, pp.195-210
- II. **AUTOMATED PREDICTION SYSTEM for VEGETATION COVER BASED on MODIS-NDVI SATELLITE DATA and NEURAL NETWORKS**
ABUJAYYAB S. K. M. , KARAŞ İ. R.
2019 Geomatics and Data Science: Towards Adaptive Management in a Changing World, PhilGEOS x GeoAdvances 2019, Manila, Philippines, 14 - 15 November 2019, vol.42, pp.149-156
- III. **User-Centric Geo-Spatial Evacuation System For Smart Cities**
KARAŞ İ. R.
PHILGEOS X GEOADVANCES Conference 2019, Manila, Philippines, 14 - 15 November 2019
- IV. **Monitoring Human'xxs Emotion Using Fast Fourier Transform Method from Brainwave Features**
Yudhana A., Mukhopadhyay S., KARAŞ İ. R. , Akbar S. A. , Azari A., Mardhia M. M. , Akbar M., Fathia I. A.
1st International Conference Informatics, Multimedia, Cyber and Information System, Jakarta, Indonesia, 24 - 25 October 2019
- V. **LOW DATA REQUIREMENTS FRAMEWORK for LANDSLIDE SUSCEPTIBILITY PREDICTION USING 3D ALOS PALSAR IMAGES and NEURAL NETWORKS**
SOHAIB K. M. ABUJAYYAB S. K. M. , KARAŞ İ. R.
International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 1 - 03 October 2019, vol.416, pp.47-54
- VI. **GEOSPATIAL MACHINE LEARNING DATASETS STRUCTURING and CLASSIFICATION TOOL: CASE STUDY for MAPPING LULC from RASAT SATELLITE IMAGES**
SOHAIB K. M. ABUJAYYAB S. K. M. , KARAŞ İ. R.
International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 1 - 03 October 2019, vol.416, pp.39-46
- VII. **Dinamik Bitki Örtüsü Tahmini Yapay Sinir Ağı Uygulaması: Düzce İli Örneği Üzerinde Çalışma**
K M Abujayyab S., KARAŞ İ. R. , DEMİRAL E.
International Science and Engineering Applications Symposium on Hazards 2019, 25 - 27 September 2019
- VIII. **Estimation Relationship Between Electricity Consumption and Urban Area from Night Satellite Imagery: A Case Study for Istanbul**
YÜCER E., KAHRAMAN İ., KARAŞ İ. R.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 26 - 28 April 2019
- IX. **Makine Öğrenmesi Yöntemini Kullanarak NDVI Zaman Serisi Verileri ile Bitki Örtüsü Tahmini**
K M Abujayyab S., KARAŞ İ. R. , DEMİRAL E.
17. Türkiye Harita Bilimsel ve Teknik Kurultayı, Turkey, 25 - 27 April 2019
- X. **Android için Google Maps SDK ile Mobil Harita Uygulamaları**
SEVİNÇ H. K. , KARAŞ İ. R.
17. TÜRKİYE HARİTA BİLİMSEL VE TEKNİK KURULTAYI (THBTK), Ankara, Turkey, 25 - 27 April 2019, pp.1-9
- XI. **Wireless Communication System For Monitoring Heart Rate In The Detection And Intervention Of Emotional Regulation**
Al Irfan S., Yudhana A., Mukhopadhyay S. C. , KARAŞ İ. R. , Wati D. E. , Puspitasari I.
1st International Conference on Informatics, Multimedia, Cyber and Information System (ICIMCIS), Jakarta, Indonesia, 24 - 25 October 2019, pp.243-248
- XII. **Recognizing Human Emotion patterns by applying Fast Fourier Transform based on Brainwave Features**
Yudhana A., Mukhopadhyay S., KARAŞ İ. R. , Azhari A., Mardhia M. M. , Akbar S. A. , Muslim A., Ammatulloh F. I.
1st International Conference on Informatics, Multimedia, Cyber and Information System (ICIMCIS), Jakarta,

Indonesia, 24 - 25 October 2019, pp.249-254

- XIII. **Using Mobile Image Recognition System for Nonwood Species Identification in the Field**
MALLAH G. A. , SHAİKH N. A. , KARAŞ İ. R. , AKAY A. E.
4.Uluslararası Odun Dışı Orman Ürünleri Sempozyumu, 4 - 06 October 2018
- XIV. **ROAD EXTRACTION TECHNIQUES FROM REMOTE SENSING IMAGES: A REVIEW**
KAHRAMAN İ., KARAŞ İ. R. , AKAY A. E.
International Conference on Geomatics and Geospatial Technology (GGT 2018), 3 - 05 September 2018
- XV. **DETECTION AND LOCALIZATION OF ABNORMAL EVENTS INSURVEILLANCE VIDEOS**
ÖZ K., KARAŞ İ. R.
3rd International Conference on Engineering Technology and Applied Sciences (ICETAS), Skopje/ Üsküp, Macedonia, 17 - 21 July 2018, pp.57
- XVI. **Gönüllü Coğrafi Bilgi, Sivil Bilim ve Katılımcı Coğrafi Bilgi Sistemleri arasındaki Benzerlikler ve Farklılıklar**
SEVİNÇ H. K. , KARAŞ İ. R.
VII. UZAKTAN ALGILAMA VE CBS SEMPOZYUMU UZAL-CBS2018, Eskişehir, Turkey, 18 - 21 September 2018, pp.680-688
- XVII. **Delaunay Triangulation and Its Applications**
AKSİN M., DEMİRAL E., KARAŞ İ. R.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), Safranbolu, Turkey, 11 - 13 May 2018, pp.830-832
- XVIII. **Detecting Anomalies in Surveillance Videos with Spatio-Temporal Features**
ÖZ K., KARAŞ İ. R.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), Safranbolu, Turkey, 11 - 13 May 2018, pp.806-808
- XIX. **The role of Volunteered Geographic Information applications in disaster management**
Sevinç H., Karaş I.
2018 Geoinformation for Disaster Management Conference, Gi4DM 2018, İstanbul, Turkey, 18 - 21 March 2018, vol.42, pp.469-473
- XX. **Gönüllü Coğrafi Bilgi Sistemlerinin Veri Görselleştirmesi Üzerine Bir Analiz**
SEVİNÇ H. K. , KARAŞ İ. R.
20. Akademik Bilişim Konferansı, Karabük, Turkey, 31 January - 02 February 2018
- XXI. **Yapay Sinir Ağları Kullanılarak Yükseköğretimde Öğrenci Adaylarının Başarı Durumlarının Tahmin Edilmesi**
ÇİZMECİ H., ATİLA Ü., KARAŞ İ. R.
Akademik Bilişim 2018, Karabük, Turkey, 31 January - 02 February 2018, pp.183-186
- XXII. **IOT ENABLED INDOOR NAVIGATION SYSTEM DESIGN FOR EMERGENCIES**
Duru A., Karas I. R.
5th International Conference on Geoinformation Science / ISPRS Conference on Multi-Dimensional and Multi-Scale Spatial Data Modeling (GeoAdvances), Casablanca, Morocco, 10 - 11 October 2018, pp.61-64
- XXIII. **Estimation of Population Number Via Light Activities on Night-Time Satellite Images**
TURAN M. K. , YÜCER E., ŞEHİRLİ E., KARAŞ İ. R.
4th International GeoAdvances Workshop, GeoAdvances 2017: ISPRS Workshop on Multi-dimensional Multi-scale Spatial Data Modeling, Safranbolu, Turkey, 14 - 15 October 2017, vol.4, pp.103-105
- XXIV. **THE DATA RELIABILITY OF VOLUNTEERED GEOGRAPHIC INFORMATION WITH USING TRAFFIC ACCIDENT DATA**
SEVİNÇ H. K. , KARAŞ İ. R.
4th International Workshop on GeoInformation Science: GeoAdvances 2017, Safranbolu, Turkey, 14 - 15 October 2017, vol.4, pp.363-365
- XXV. **A Low-Cost and Lightweight 3D Interactive Real Estate-Purposed Indoor Virtual Reality Application**
ÖZACAR K., ORTAKCI Y., KAHRAMAN İ., DURGUT R., KARAŞ İ. R.
4th International GeoAdvances Workshop, GeoAdvances 2017: ISPRS Workshop on Multi-dimensional Multi-scale

- Spatial Data Modeling, Safranbolu, Turkey, 14 - 15 October 2017, vol.4, pp.307-310
- XXVI. **Network Fundamentals of Indoor Navigation and Its Usage on Intelligent Evacuatio**
KARAŞ İ. R.
International Symposium on Computer Science and Intelligent Control, ISCSIC 2017, Budapest, Hungary, 20 - 22 October 2017
- XXVII. **Comparison of a Smart Mobile Application-Supported Evacuation System and Traditional Evacuation Systems**
ORTAKCI Y., ATİLA Ü., DEMİRAL E., ÖZACAR K., KARAŞ İ. R.
12th 3D GeoInfo Conference 2017, 26-27 Oct. 2017, Melbourne, Australia, 25 - 27 October 2017
- XXVIII. **Yapısal Benzerlik ve Optik Akış Histogram ile Anomali Tespiti**
ÖZ K., KARAŞ İ. R.
Akıllı Sistemlerde Yenilikler ve Uygulamalar (ASYU) Konferansı, Antalya, Turkey, 5 - 07 October 2017, pp.37
- XXIX. **3D Modelling of the Heritage Buildings of Safranbolu by Using MUSCLE Model and facade construction methods**
KARAŞ İ. R.
Conference for Matter and Materials in/for Heritage Conservation (Matcons 2017), Craiova, Romania, 17 - 18 September 2017
- XXX. **Developing a 3D routing instruction engine for indoor environment**
KARAŞ İ. R. , ATİLA Ü., DEMİRAL E.
4th International Conference on Geo-Informatics in Resource Management and Sustainable Ecosystem, GRMSE 2016, Kowloon, Hong Kong, 18 - 20 November 2016, vol.698, pp.34-42
- XXXI. **Network Analyses based on Smart Evacuation System for Indoor**
KARAŞ İ. R.
4th Annual 2016 International Conference on Geo-Informatics in Resource Management & Sustainable Ecosystem [GRMSE-2016], HONG KONG, Hong Kong, 18 - 20 November 2016
- XXXII. **Real Time Navigation System Implementation within the Scope of 3d Geographic Information Systems for Multi Storey Car Park**
YENİGÜN B., KARAŞ İ. R. , DEMİRAL E.
GeoAdvances Conference, 16 - 17 October 2016
- XXXIII. **Üç Boyutlu 3B Coğrafi Bilgi Sistemleri Kapsamında Katlı Otoparklara Yönelik Gerçek Zamanlı Navigasyon Sistemi Uygulaması**
YENİGÜN B., KARAŞ İ. R.
VI. Uzaktan Algılama Coğrafi Bilgi Sistemleri Sempozyumu, Adana, Turkey, 05 October 2016 - 07 January 2017, pp.748-755
- XXXIV. **Safranbolu Eski Çarşı Tarihi Noktaları İçin CBS Tabanlı Artırılmış Gerçeklik Uygulaması**
POLAT m., KARAŞ İ. R. , KAHRAMAN İ., ALİZADEHASHRAFİ b.
VI. Uzaktan Algılama Coğrafi Bilgi Sistemleri Sempozyumu, Adana, Turkey, 5 - 07 October 2016, pp.927-932
- XXXV. **3D Network Analyses for Indoor Based on User Centric Intelligent Evacuation System**
KARAŞ İ. R.
Economics of Smart Cities Conference, NABLUS, FİLİSTİN, 25 - 26 April 2016
- XXXVI. **AR Based App for Tourist Attraction in ESKİ CARSİ (Safranbolu)**
Polat M., KARAŞ İ. R. , KAHRAMAN İ., Alizadehashrafi B.
3rd International GeoAdvances Workshop / ISPRS Workshop on Multi-dimensional and Multi-Scale Spatial Data Modeling, İstanbul, Turkey, 16 - 17 October 2016, pp.177-181
- XXXVII. **INDOOR NAVIGATION DESIGN INTEGRATED WITH SMART PHONES AND RFIDDEVICES**
ORTAKCI Y., DEMİRAL E., ATİLA Ü., KARAŞ İ. R.
Joint International Geoinformation Conference 2015, 28 - 30 October 2015
- XXXVIII. **Road Detection from High Satellite Images using Neural Networks**
KAHRAMAN İ., KARAŞ İ. R. , TURAN M. K.
4th International Conference on System Engineering and Modeling, 18 - 19 May 2015
- XXXIX. **Öğrenci Servisi Takip Sistemi Android Uygulaması**

ORTAKÇI Y., KAYTARAN T., KARAŞ İ. R.

Çankaya Üniversitesi, 8'inci Mühendislik ve Teknoloji Sempozyumu, Turkey, 14 - 15 May 2015

- XL. **Identification of column edges of DNA fragments by using K-means clustering and mean algorithm on lane histograms of DNA agarose gel electrophoresis images**
TURAN M. K. , ŞEHİRLİ E., ELEN A., KARAŞ İ. R.
7th International Conference on Digital Image Processing (ICDIP), Los-Angeles, Chile, 9 - 10 April 2015, vol.9631
- XLII. **RFID Based 3D Indoor Navigation System Integrated with Smart Phones**
ORTAKCI Y., DEMİRAL E., KARAŞ İ. R.
11th International Symposium on Location-Based Services, Viyana, Austria, 26 - 28 November 2014
- XLIII. **RFID based mobile positioning and navigation system design for 3D indoor environment**
DEMİRAL E., KARAŞ İ. R. , TURAN M. K. , ATİLA Ü.
9th International 3D Geoinformation Conference, 11 - 13 November 2014
- XLIV. **3D indoor navigation prototype for smartphones**
ORTAKCI Y., KARAŞ İ. R. , ABDULRAHMAN A.
3D GeoInfo, Dubai, United Arab Emirates, 11 - 13 November 2014
- XLV. **Intelligent and Personal Evacuation Model for Pedestrians**
KARAŞ İ. R. , ATİLA Ü., TURAN M. K.
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