

Res. Asst. Batuhan Saritürk

Personal Information

Email: sariturkb@itu.edu.tr

Web: <https://avesis.itu.edu.tr/sariturkb>

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği (Dr), Turkey 2015 - Continues
Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği (YI), Turkey 2012 - 2014
Undergraduate, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English

Dissertations

Postgraduate, Türkiye'deki geomatik mühendisleri arasında yaşam standartları ve karbon ayak izi arasındaki ilişkinin belirlenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği (YI), 2015

Research Areas

Geographic Information Systems, Photogrammetry, Remote sensing, Image Processing, Computer Vision, Pattern Recognition and Image Processing, 3D-Modeling

Academic Titles / Tasks

Research Assistant, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Geomatik Mühendisliği Bölümü, 2013 - Continues

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

- I. **OBJECT BASED CLASSIFICATION OF UNMANNED AERIAL VEHICLE (UAV) IMAGERY FOR FOREST FIRES MONITORING**
Bilgilioglu B. B. , Ozturk O., Sariturk B., Seker D. Z.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.2, pp.1011-1017, 2019 (Journal Indexed in SCI)
- II. **The relationship between income level and CFP level of the provinces in Turkey: a case study**
OZBAS E. E. , SIVRİ N., Saritürk B., ONGEN A., Özcan H. K. , Şeker D. Z.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.11, no.3, pp.294-304, 2017 (Journal Indexed in SCI)
- III. **A STUDY TO DETERMINE LEVEL OF AWARENESS ABOUT HEALTH AND CARBON FOOTPRINT AMONG GEOMATICS ENGINEERS IN TURKEY**
Saritürk B., SIVRİ N., Şeker D. Z.

Articles Published in Other Journals

- I. **Comparison of Fully Convolutional Networks (FCN) and U-Net for Road Segmentation from High Resolution Imageries**
ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z.
International Journal of Environment and Geoinformatics, vol.7, no.3, pp.272-279, 2020 (Refereed Journals of Other Institutions)
- II. **FEATURE EXTRACTION FROM SATELLITE IMAGES USING SEGNET AND FULLY CONVOLUTIONAL NETWORKS (FCN)**
SARITÜRK B., BAYRAM B., DURAN Z., ŞEKER D. Z.
International Journal of Engineering and Geosciences, vol.5, no.3, pp.138-143, 2020 (Journal Indexed in ESCI)
- III. **3D Object Recognition with Keypoint Based Algorithms**
ATİK M. E. , İNCEKARA A. H. , SARITÜRK B., ÖZTÜRK O., DURAN Z., ŞEKER D. Z.
International Journal of Environment and Geoinformatics, vol.6, no.1, pp.139-142, 2019 (Refereed Journals of Other Institutions)
- IV. **SFM Tekniği ile 3B Obje Modellemesinde Kullanılan Ticari ve Açık Kaynak Kodlu Yazılımların Karşılaştırılması**
SARITÜRK B., ŞEKER D. Z.
AKÜ FEMÜBİD, vol.17, pp.126-131, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Building Extraction from High-Resolution Images Using Deep Learning Approach**
SARITÜRK B., ÖZTÜRK O., ŞEKER D. Z. , BAYRAM B.
International Symposium on Applied Geoinformatics (ISAG 2019), İstanbul, Turkey, 7 - 09 November 2019
- II. **Comparison of FCN and U-Net for Image Segmentation Using High Resolution Images and Aerial Orthophoto Maps**
ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z.
International Symposium on Applied Geoinformatics (ISAG 2019), İstanbul, Turkey, 7 - 09 November 2019
- III. **Feature Extraction from Satellite Images Using SegNet and Fully Convolutional Networks (FCN)**
SARITÜRK B., BAYRAM B., DURAN Z., ŞEKER D. Z.
X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB 2019), Aksaray, Turkey, 25 - 27 April 2019
- IV. **Contribution of Smartphones for Documentation of Cultural Heritage: A Case Study of Zilkale**
ÖZTÜRK O., SARITÜRK B., İncekara A. H. , ŞEKER D. Z. , BAYRAM B., DURAN Z.
39th Asian Conference on Remote Sensing (ACRS 2018, Kuala-Lumpur, Malaysia, 15 - 19 October 2018, vol.4, pp.2393-2400
- V. **3D Object Recognition with Keypoint Based Algorithms**
ATİK M. E. , İNCEKARA A. H. , SARITÜRK B., ÖZTÜRK O., DURAN Z., ŞEKER D. Z.
EURASIAN GIS 2018 CONGRESS, 4 - 07 September 2018, vol.1, pp.126-129
- VI. **Dsm Production With Thin Plate Splines Algorithm And Accuracy Analysis**
Atik M. E. , Saritürk B., Duran Z., Şeker D. Z. , Öztürk O.
EurasianGIS2018, Baku, Azerbaijan, 4 - 07 September 2018, pp.36
- VII. **A Combination Example of Terrestrial and Unmanned Aerial Vehicle (UAV) Photogrammetry for 3D Documentation: Zilkale**
ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z. , BAYRAM B., DURAN Z.
ICOMOS Inter-ISC Meeting and Colloquium, Kastamonu, Turkey, 10 - 13 July 2018

- VIII. **ANALYSIS OF NATURAL LAND COVER CHANGE USING TIME SERIES: A CASE STUDY OF ISTANBUL**
SARITÜRK B., ATIK M. E. , ALGANCI U., ÖZTÜRK O., DURAN Z., ŞEKER D. Z.
4th International Water and Environment Fair and Congress, Bursa, Turkey, 22 - 24 April 2018
- IX. **Comparison of 3D Models Generated from Images and Video File Using SFM Technique**
SARITÜRK B., ÖZTÜRK O., TOPALOĞLU R. H. , ŞEKER D. Z.
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017
- X. **Temporal Monitoring of Landslide Using Images Obtained from UAV**
ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z.
International Symposium on GIS Applications in Geography and Geosciences, 18 - 21 October 2017
- XI. **Determining the Quantification of Coastal Erosion Using UAV A Case Study of Trabzon-Turkey**
SARITÜRK B., ÖZTÜRK O., ŞEKER D. Z.
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 4 - 06 October 2017
- XII. **Monitoring of Forest Fires Using Low-Budget Unmanned Aerial Vehicles**
ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z. , GÖZEL M. M.
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 4 - 06 October 2017
- XIII. **Object-based classification of unmanned aerial vehicle (UAV) imagery for forest fires monitoring**
BİLGİLİOĞLU B. B. , ÖZTÜRK O., SARITÜRK B., ŞEKER D. Z.
38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017, New Delhi, India, 23 - 27 October 2017
- XIV. **A Study to Determine the Relations Between Living Standards and Carbon Footprint Among Geomatics Engineers in Turkey**
SARITÜRK B., ŞEKER D. Z. , SİVRİ N.
FIG Working Week 2016, 2 - 06 May 2016
- XV. **Türkiye deki Geomatik Mühendisleri Arasında Yaşam Standartları ve Karbon Ayak İzi Arasındaki İlişkinin Belirlenmesi**
SARITÜRK B., SİVRİ N., ŞEKER D. Z.
15. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 25 - 28 March 2015

Supported Projects

Şeker D. Z. , Öztürk O., Sarıtürk B., İncekara A. H. , Project Supported by Higher Education Institutions, İnsansız Hava Araçlarının İHA Orman ve Kıyı Yönetiminde Kullanımındaki Olanaklarının ve Kısıtlarının İrdelenmesi, 2017 - 2019

Citations

Total Citations (WOS):9

h-index (WOS):2