

Res. Asst. BARIŞ SÜLEYMANOĞLU

Personal Information

Email: bariss@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/bariss>

Address: Yıldız Teknik Üniversitesi İnşaat Fakültesi Harita Mühendisliği Bölümü Davutpaşa Kampüsü 34220 Esenler/İstanbul

International Researcher IDs

ORCID: 0000-0003-2479-3300

Publons / Web Of Science ResearcherID: GBQ-5031-2022

ScopusID: 57204195754

Yoksis Researcher ID: 199473

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği, Turkey
2016 - Continues

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği, Turkey
2013 - 2016

Undergraduate, Yıldız Technical University, Faculty Of Civil Engineering, Harita, Turkey 2008 - 2013

Dissertations

Postgraduate, Lidar tekniği ile elde edilen nokta bulutların sınıflandırılması ve filtreleme algoritmalarının incelenmesi,
Yıldız Technical University, Faculty of Civil Engineering, Geomatic Engineering, 2016

Research Areas

Geotechnical Engineering, Measuring Technique, Earth Observations (Remote Sensing), Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A Novel Framework for Road Information Extraction from Low-Cost MMS Point Clouds**
SÜLEYMANOĞLU B., SOYCAN M.
IEEE Access, vol.12, pp.195450-195463, 2024 (SCI-Expanded)
- II. An adaptive iterative reweighted filtering methodology for urban MLS dataset**
Süleymanoğlu B., Soycan A., Soycan M.
Journal of Spatial Science, vol.69, no.4, pp.1075-1095, 2024 (SCI-Expanded)
- III. 3D Road Boundary Extraction Based on Machine Learning Strategy Using LiDAR and Image-Derived MMS Point Clouds**

- Süleymanoğlu B., Soycan M., Toth C.
SENSORS, vol.24, no.2, pp.1-24, 2024 (SCI-Expanded)
- IV. **Comparison of Unmanned Aerial Vehicle-LiDAR and Image-Based Mobile Mapping System for Assessing Road Geometry Parameters via Digital Terrain Models**
Suleymanoglu B., Gürtürk M., Yilmaz Y., Soycan A., Soycan M.
Transportation Research Record, vol.2677, no.8, pp.617-632, 2023 (SCI-Expanded)
- V. **Performance of unsupervised machine learning methods using chi-squared weights for LiDAR point cloud filtering in urban areas**
ŞEN A., SÜLEYMANOĞLU B., SOYCAN M.
JOURNAL OF SPATIAL SCIENCE, vol.68, no.3, pp.397-414, 2023 (SCI-Expanded)
- VI. **Unsupervised extraction of urban features from airborne lidar data by using self-organizing maps**
ŞEN A., SÜLEYMANOĞLU B., SOYCAN M.
SURVEY REVIEW, vol.52, no.371, pp.150-158, 2020 (SCI-Expanded)
- VII. **COMPARISON OF FILTERING ALGORITHMS USED FOR DTM PRODUCTION FROM AIRBORNE LIDAR DATA: A CASE STUDY IN BERGAMA, TURKEY**
Süleymanoğlu B., Soycan M.
GEODETSKI VESTNIK, vol.63, no.3, pp.395-413, 2019 (SSCI)

Articles Published in Other Journals

- I. **Overview of large scale map production with UAV based photogrammetric technique: A case study in Izmir-Cesme territory of Turkey**
Yilmaz Y., Gürtürk M., Süleymanoğlu B., Soycan A., Soycan M.
Journal of Geography and Cartography, vol.6, no.2, pp.1-16, 2023 (Peer-Reviewed Journal)
- II. **High Definition Corridor Mapping From Images Sequences**
SÜLEYMANOĞLU B., YILMAZ Y., SOYCAN M., SOYCAN A., GÜRTÜRK M.
International Journal of Digital Innovation in the Built Environment, vol.9, no.1, pp.22-35, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ROAD INFRASTRUCTURE MAPPING BY USING IPHONE 14 PRO: AN ACCURACY ASSESSMENT**
SÜLEYMANOĞLU B., Tamimi R., YILMAZ Y., SOYCAN M., Toth C.
39th International Symposium on Remote Sensing of Environment, ISRSE 2023, Antalya, Turkey, 24 - 28 April 2023, vol.48, pp.347-353
- II. **MONITORING THE ENVIRONMENT IN SMART CITIES: THE IMPORTANCE OF GEOSPATIAL LOCATION REFERENCING**
SÜLEYMANOĞLU B., Toth C., Masiero A., Ladai A.
39th International Symposium on Remote Sensing of Environment, ISRSE 2023, Antalya, Turkey, 24 - 28 April 2023, vol.48, pp.355-360
- III. **INDOOR MAPPING: EXPERIENCES WITH LIDAR SLAM**
Suleymanoglu B., Soycan M., Toth C.
24th ISPRS Congress on Imaging Today, Foreseeing Tomorrow, Nice, France, 6 - 11 June 2022, vol.43-B1, pp.279-285
- IV. **High definition corridor mapping from images sequences**
Gürtürk M., Yilmaz Y., Süleymanoğlu B., Soycan A., Soycan M.
International Symposium on Applied Geoinformatics, İstanbul, Turkey, 7 - 09 November 2019, vol.1, no.1, pp.125-164
- V. **High definition corridor mapping from images sequences**

GÜRTÜRK M., YILMAZ Y., SÜLEYMANOĞLU B., SOYCAN A., SOYCAN M.

ISAG2019, 7 - 09 September 2019

- VI. **Extraction of highway geometry parameters from airborne LIDAR data and imagery**
Süleymanoğlu B., Soycan M.
ISAG2019, İstanbul, Turkey, 7 - 09 September 2019
- VII. **An Overview of Mobile LIDAR Systems and Their Usability in Corridor Mapping Studies**
SÜLEYMANOĞLU B., SOYCAN M.
INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY AND GEOSCIENCES, 18 - 21 October 2017
- VIII. **Hava Lidar Verilerinde Kullanılan Filtreleme Algoritmalarının İncelenmesi**
SÜLEYMANOĞLU B., SOYCAN M.
Türkiye Harita Bilimsel ve Teknik Kurultayı, Turkey, 3 - 06 May 2017
- IX. **Comparison of DEM Derived Based ON The Point Cloud Obtained From Different Lidar System and Flight Altitude**
Süleymanoğlu B., Gürtürk M., Selbesoğlu M. O., Soycan M.
SELÇUK INTERNATIONAL SCIENTIFIC CONFERENCE ON APPLIED SCIENCES, Konya, Turkey, 27 - 30 September 2016, pp.1
- X. **Assesment Of Digital Terrain Model Generated From Different Lidar System And Flight Altitude**
SOYCAN M., SÜLEYMANOĞLU B.
World Multidisciplinary Earth Sciences Symposium, 7 - 10 September 2015
- XI. **Baraj Tasarım ve Risk Analizine Yönelik Hassas 3 Boyutlu Topografik Modelleme için Lidar Teknolojisi**
Soycan M., Süleymanoğlu B.
4. Ulusal Baraj Güvenliği Sempozyumu, Elazığ, Turkey, 9 - 11 October 2014, pp.1

Supported Projects

SOYCAN M., SÜLEYMANOĞLU B., Project Supported by Higher Education Institutions, FARKLI NİTELİKTEKİ NOKTA BULUTLARINDAN KARAYOLU GEOMETRİSİNİN ÇIKARILMASINA YÖNELİK BİR YAKLAŞIMIN GELİŞTİRİLMESİ, 2019 - 2023

SOYCAN M., SÜLEYMANOĞLU B., Project Supported by Higher Education Institutions, Lidar Tekniği ile Elde Edilen Nokta Bulutların Sınıflandırılması ve Filtreleme Algoritmalarının İncelenmesi, 2015 - 2016

Metrics

Publication: 20

Citation (WoS): 7

Citation (Scopus): 26

H-Index (WoS): 2

H-Index (Scopus): 3