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Personal Information

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International Researcher IDs

ORCID: 0000-0003-0518-5780

Publons / Web Of Science ResearcherID: AAC-9870-2021

ScopusID: 57214289121

Yoksis Researcher ID: 37203

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği Anabilim Dalı, Turkey 2015 - 2022

Postgraduate, Yıldız Technical University, Fen Bilimleri Enstitüsü, Harita Mühendisliği Anabilim Dalı, Turkey 2012 - 2015

Undergraduate, Yıldız Technical University, Faculty Of Civil Engineering, Harita Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of Tree Species Classification Possibilities From Laser Data Using Machine Learning Algorithms, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği Anabilim Dalı / Uzaktan Algılama ve CBS, 2022

Postgraduate, Nokta Tabanlı Sınıflandırma Yöntemleri ile LiDAR Verilerinin Sınıflandırılması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Harita Mühendisliği Anabilim Dalı / Uzaktan Algılama Ve Cbs, 2015

Research Areas

3D-Modeling, Geotechnical Engineering, Geographic Information Systems, Photogrammetry, Overhead Photogrammetry, Geodesy and Photogrammetry, Remote sensing, Image Processing, Laser scanning, Lidar, Laser Scanning, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2023 - Continues
Research Assistant PhD, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2022 - 2023
Research Assistant, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2013 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Contribution of Colour Information to the Classification of 3D Points from Aerial Images**
Yastıklı N., Çetin Z.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.48, pp.1-12, 2023 (SCI-Expanded)
- II. **The Use of Machine Learning Algorithms in Urban Tree Species Classification**
ÇETİN Z., YASTIKLI N.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.11, no.4, 2022 (SCI-Expanded)
- III. **Classification of raw LiDAR point cloud using point-based methods with spatial features for 3D building reconstruction**
YASTIKLI N., Cetin Z.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.3, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Automatic detection of single street trees from airborne LiDAR data based on point segmentation methods**
Çetin Z., Yastıklı N.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.8, no.2, pp.129-137, 2023 (ESCI)
- II. **The production of line-drawing and 3D modeling of historical Mehmet Ali Bey Fountain with SFM approach**
Yastıklı N., Çetin Z., Asamaka E.
Cultural Heritage and Science, vol.3, no.1, pp.19-24, 2022 (Peer-Reviewed Journal)
- III. **Sayısal Yersel Fotogrametri Yöntemi ile Sarıyer İstanbul'da Siluet Üretimi**
YASTIKLI N., ÇETİN Z., ARSLAN E.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.53-57, 2017 (Peer-Reviewed Journal)
- IV. **The Use of the Terrestrial Photogrammetry in Reverse Engineering Applications**
YASTIKLI N., ÇETİN Z., Altıntaş P., Çak T.
International Journal of 3-D Information Modeling, vol.4, pp.48-57, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Use of the Terrestrial Photogrammetry in Reverse Engineering Applications**
YASTIKLI N., ÇETİN Z., ALTINTAŞ P., ÇAK T.
in: 3D Printing: Breakthroughs in Research and Practice, Information Resources Management Association , Editor,
Igi Global Publications, Hersley Pa, pp.241-250, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Detection of Urban Trees from LiDAR Data**
Çetin Z., Yastıklı N.
XII. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu, Sivas, Turkey, 24 - 26 May 2023, pp.45
- II. **The Production of Line-Drawing and 3D Modeling of Historical Mehmet Ali Bey Fountain with SFM Approach**
Yastıklı N., Çetin Z., Asamaka E.
11. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB-2022), Mersin, Turkey, 12 - 14 May 2022, pp.97

- III. **AUTOMATIC DETECTION OF SINGLE STREET TREES FROM AIRBORNE LiDAR DATA BASED ON POINT SEGMENTATION METHODS**
Çetin Z., Yastıklı N.
International Symposium on Applied Geoinformatics (ISAG 2021), Riga, Latvia, 2 - 03 December 2021, pp.1-5
- IV. **Detection of Individual Trees in Urban Areas Using the Point Cloud Produced by Dense Image Matching Algorithms**
Yastıklı N., Çetin Z.
FIG Working Week 2020, Amsterdam, Netherlands, 10 - 14 May 2020
- V. **DETECTION OF INDIVIDUAL TREES IN URBAN AREAS USING RAW LiDAR DATA**
Yastıklı N., Çetin Z.
International Symposium on Applied Geoinformatics ISAG2019 , İstanbul, Turkey, 7 - 09 November 2019, pp.1
- VI. **YOĞUN GÖRÜNTÜ EŞLEME ALGORİTMALARI İLE ÜRETİLEN NOKTA BULUTUNUN SINIFLANDIRILMASI**
YASTIKLI N., ÇETİN Z.
X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB 2019), Aksaray, Turkey, 25 April 2019, pp.119-126
- VII. **AUTOMATIC 3D BUILDING MODEL GENERATIONS with AIRBORNE LiDAR DATA**
YASTIKLI N., ÇETİN Z.
4th International GeoAdvances Workshop - GeoAdvances 2017: ISPRS Workshop on Multi-Dimensional and Multi-Scale Spatial Data Modeling, Safranbolu, Karabuk, Turkey, 14 - 15 October 2017, vol.4, pp.411-414
- VIII. **Fotogrametrik Harita ve LiDAR Verileri ile 3B Kent Modeli Üretimi**
YASTIKLI N., ÇETİN Z., Üçok U., Koçdemir K. H.
16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 03 May 2017, pp.1
- IX. **Sayısal Yersel Fotogrametri Yöntemi ile Sarıyer İstanbul'da Siluet Üretimi**
YASTIKLI N., ÇETİN Z., Arslan E.
TUFUAB IX. Teknik Sempozyumu, Adana, Turkey, 27 April 2017, pp.193-197
- X. **Hava LiDAR Verileri ile 3B Bina Modellerinin Otomatik Üretimi**
YASTIKLI N., ÇETİN Z.
6. Uzaktan Algılama ve CBS Sempozyumu (UZAL-CBS 2016), Adana, Turkey, 05 October 2016, pp.152-159
- XI. **CLASSIFICATION OF LiDAR DATA WITH POINT BASED CLASSIFICATION METHODS**
YASTIKLI N., ÇETİN Z.
XXIII ISPRS Congress, Prague, Czech Republic, 12 - 19 July 2016, vol.3, pp.441-445
- XII. **YERSEL FOTOGRAMETRİNİN TERSİNE MÜHENDİSLİK UYGULAMALARINDA KULLANIMI**
YASTIKLI N., ÇETİN Z., ALTINTAŞ P., ÇAK T.
5. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2014), İstanbul, Turkey, 14 - 17 October 2014
- XIII. **PERFORMANCE VALIDATION OF HIGH RESOLUTION DIGITAL SURFACE MODELS GENERATED BY DENSE IMAGE MATCHING WITH THE AERIAL IMAGES**
YASTIKLI N., BAYRAKTAR H., Erisir Z.
ISPRS Technical Commission I Symposium, Colorado, United States Of America, 17 - 20 November 2014, pp.429-433

Supported Projects

YASTIKLI N., ÇETİN Z., Project Supported by Higher Education Institutions, LiDAR Verileri Kullanılarak Ağaç Türlerinin Makine Öğrenmesi ile Otomatik Tespitinde Parametrelerin Analizi ve Optimum Sınıflandırma Özelliklerinin Belirlenmesi, 2023 - 2023

Scientific Research / Working Group Memberships

TMMOB Harita ve Kadastro Mühendisleri Odası, TMMOB Harita ve Kadastro Mühendisleri Odası, Türkiye,

<http://www.hkmo.org.tr/>, 2012 - Continues

Metrics

Publication: 21

Citation (WoS): 33

Citation (Scopus): 52

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS (ISAG2021), Attendee, Riga, Latvia, 2021

INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS (ISAG-2019), Working Group, İstanbul, Turkey, 2019

X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB 2019), Attendee, Aksaray, Turkey, 2019

5. Uzaktan Algılama ve CBS Sempozyumu (UZAL-CBS 2014), Working Group, İstanbul, Turkey, 2014

Awards

ÇETİN Z., Yıldız Teknik Üniversitesi Harita Mühendisliği Bölümü 2011-2012 Öğretim Yılı Bölüm Birinciliği, Yıldız Teknik Üniversitesi, June 2012

Non Academic Experience

Nebula Mühendislik İnşaat Harita San. ve Dış Tic. Ltd. Şti.