

Res. Asst. PhD SERKAN URAL

Personal Information

Office Phone: [+90 312 780 5785](tel:+903127805785)

Email: ural@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/ural>

Education Information

Doctorate, Purdue University, College Of Engineering, Civil Engineering, United States Of America 2007 - 2017

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Jeodezi Ve Coğrafi Bilgi Teknolojileri, Turkey 2003 - 2006

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Jeodezi Ve Fotogrametri Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Research Areas

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

Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Geomatik Mühendisliği Bölümü, 2006 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Fuzzy Mean-Shift Approach to Lidar Waveform Decomposition**
LI Q., Ural S., ANDERSON J., SHAN J.
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, vol.54, no.12, pp.7112-7121, 2016 (SCI-Expanded)
- II. **Building population mapping with aerial imagery and GIS data**
Ural S., HUSSAIN E., SHAN J.
INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION, vol.13, no.6, pp.841-852, 2011 (SCI-Expanded)
- III. **Building Extraction and Rubble Mapping for City Port-au-Prince Post-2010 Earthquake with GeoEye-1 Imagery and Lidar Data**
HUSSAIN E., Ural S., KIM K., FU C., SHAN J.
PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING, vol.77, no.10, pp.1011-1023, 2011 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **DSM/DTM – Related Investigations Of The Moorea Avatar Project**
GRUEN a., KOCAMAN S., GUO t., URAL S., TROYER m.
38th Asian Conference on Remote Sensing, 23 - 27 October 2017
- II. **3D Processing of Gokturk-2 Imagery**
KOCAMAN S., URAL S., KARAKAŞ G., BAKICI s.
38th Asian Conference on Remote Sensing, 23 - 27 October 2017
- III. **Madencilik Faaliyetleri İzleme ve Otomasyon Sistemi**
TERCAN A. E., ÜNVER B., HİNDİSTAN M. A., URAL S., GAZEL S., HADİMOĞULLARI A.
Türkiye 25. Uluslararası Madencilik Kongresi ve Sergisi (IMCET 2017), 11 - 14 April 2017, pp.325-330
- IV. **DEM Generation from Airborne Waveform Data over Dense Forest Areas**
LI Q., URAL S., SHAN J.
ASPRS 2017 Annual Conference, Baltimore, MD, United States Of America, 12 March - 16 January 2017
- V. **A Min cut Based Filter for Airborne Lidar Data**
URAL S., SHAN J.
XXIII ISPRS Congress, Prag, Czech Republic, 12 - 19 July 2016, vol.3, pp.395-401
- VI. **A Min cut Approach to Building Detection from Airborne Lidar Point Clouds**
URAL S., SHAN J.
IGTF 2016 ASPRS Annual Conference, 11 - 15 April 2016
- VII. **DECOMPOSING LIDAR WAVEFORMS WITH NONPARAMETRIC CLASSIFICATION METHODS**
Li Q., Ural S., SHAN J.
36th IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China, 10 - 15 July 2016, pp.5573-5576
- VIII. **A Nonparametric Mixture Model for Full Waveform LiDAR Data Decomposition**
QİNGHUA L., URAL S., ANDERSON J., SHAN J.
2015 ASPRS Annual Conference, Tampa, FL, United States Of America, 4 - 08 May 2015
- IX. **ROAD AND ROADSIDE FEATURE EXTRACTION USING IMAGERY AND LIDAR DATA FOR TRANSPORTATION OPERATION**
Ural S., SHAN J., ROMERO M. A., TARKO A.
Joint ISPRS Conference on Photogrammetric Image Analysis (PIA) and High Resolution Earth Imaging for Geospatial Information (HRIGI), Munich, Germany, 25 - 27 March 2015, pp.239-246
- X. **Min cut Based Segmentation of Airborne Lidar Point Clouds**
URAL S., SHAN J.
XXIInd ISPRS Congress, 25 August - 01 September 2012, vol.3, pp.167-172

Supported Projects

KOCAMAN GÖKÇEOĞLU S., URAL S., Project Supported by Higher Education Institutions, Purdue Üniversitesine Akademik Ziyaret, 2017 - 2018

KOCAMAN GÖKÇEOĞLU S., URAL S., Project Supported by Higher Education Institutions, Moorea IDEA: Dijital Ekosistem Avatari Oluşturma, 2016 - 2018

KOCAMAN GÖKÇEOĞLU S., URAL S., Project Supported by Higher Education Institutions, SDM 2017 Konferansına Katılım, 2017 - 2017

URAL S., Project Supported by Higher Education Institutions, Havai Lidar Verisi İçin Asgari Kesit Tabanlı Filtre, 2016 - 2016

URAL S., Project Supported by Higher Education Institutions, Bergama Test Alanı LiDAR Nokta Bulutu Verisinin İşlenerek Sayısal Arazi Modeli Elde Edilmesi, 2015 - 2016

Metrics

Publication: 13

Citation (WoS): 97

Citation (Scopus): 54

H-Index (WoS): 3

H-Index (Scopus): 2