

# OZGUN AKCAY

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Birth date	02 July 1976
Nationality	Turkish

## EMPLOYMENT

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03/2017 - Current	Assoc. Prof. Dr. Dept. of Geomatics Engineering Canakkale Onsekiz Mart University
07/2012 - 03/2017	Asst. Prof. Dr. Dept. of Geomatics Engineering Canakkale Onsekiz Mart University
04/2008 - 07/2012	Research Asst. Dr. Dept. of Geomatics Engineering Istanbul Technical University
02/2002 - 04/2008	Research Asst. Dept. of Geomatics Engineering Istanbul Technical University

## EDUCATION

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2002-2008	PhD., <i>Geomatics Engineering, Istanbul Technical University,</i> <i>Advisor Prof. Dr. O. Altan</i>
1999-2002	M.Sc., <i>Geodesy and Photogrammetry Engineering, Istanbul Technical University</i> <i>Advisor Prof. Dr. O. Altan</i>
1995-1999	B.Sc., <i>Geodesy and Photogrammetry Engineering, Istanbul Technical University</i>

## WORK EXPERIENCE

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2012 - Current	Editorial Board Member, ISPRS International Journal of Geo-Information
2016 - Current	Head of Department, Geomatics Engineering, Canakkale Onsekiz Mart University, Canakkale, Turkey
2005	Visiting researcher at the Institute of Cartography and Geoinformatics, Leibniz Universität Hannover, Germany (3 months)
2005	Visiting researcher at the Department of Geography and Regional Research, University of Vienna, Austria (3 months)
2004	Local Organization Committee Member, XX <sup>th</sup> ISPRS Congress
1999-2001	Ozak Surveying Co., Turkey

## CURRENT RESEARCH ACTIVITIES

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My research interests include monitoring land use & land cover change from multispectral remote sensing data, image segmentation and classification, photogrammetric three dimensional modelling.

## PUBLICATIONS

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- 2018 Akcay O., Avşar E.O., Inalpulat M., Genc L., Cam A., "Assessment of Segmentation Parameters for Object-Based Land Cover Classification Using Color-Infrared Imagery", *ISPRS International Journal of Geo-Information*, vol.7, no.424, pp.1-26, 2018
- Akcay O., Pekmezci B.Y., Seker D.Z., Tuncel E.Y., Atahan H.N., "Fiber quantity analysis of cementitious composite using multifocus imagery", *Polymer Composites*, vol.39, pp.2126-2134, 2018.
- Acıksari, E., & Akcay, O. Multitemporal Decomposition and Unsupervised Classification Analysis of Dual PolSAR Images. *Canakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, 4(2), 69-87, 2018.
- Akcay O., Avsar E.O., The Effect Of Image Enhancement Methods During Feature Detection And Matching Of Thermal Images, *ISPRS Hannover Workshop: HRIGI 17 – CMRT 17 – ISA 17 – EuroCOW 17*, Hannover, Germany, 6-9 July 2017, .vol.XLII-1/W1, pp.575-578.
- 2017 Erenoglu R.C., Akcay O., Erenoglu O., An UAS-assisted multi-sensor approach for 3D modeling and reconstruction of cultural heritage site, *Journal Of Cultural Heritage*, Vol.26, pp.79-90, 2017
- Akcay O., Erenoglu R.C., Avsar E.O., The Effect of JPEG Compression in Close Range Photogrammetry, *International Journal of Engineering and Geosciences*, vol.2, pp.35-40, 2017.
- Akcay O., Avsar E.O., Inalpulat M., Civelek T., Genc L. Object-Based Analysis of Recreation Areas Using High Resolution Color Infrared Aerial Images, Case Study: Canakkale, TURkey, VIII. International Symposium on Ecology and Environmental Problems, Canakkale, Turkey, 4-7 Oct. 2017.
- Akcay O., Avsar E.O., The Effect Of Image Enhancement Methods During Feature Detection And Matching Of Thermal Images, *ISPRS Hannover Workshop: HRIGI 17 – CMRT 17 – ISA 17 – EuroCOW 17*, Hannover, Germany, 6-9 July 2017, .vol.XLII-1/W1, pp.575-578.
- 2015 Akcay O., "Landslide Fissure Inference Assessment by ANFIS and Logistic Regression Using UAS-Based Photogrammetry", *ISPRS International Journal of Geo-Information*, vol.4, pp.2131-2158, 2015
- Erenoglu O., Erenoglu R.C., Akcay O. Determination surface characteristics and alteration of Koru mining area by UAV photogrammetry, *Coordinates*, vol.11, pp.39-43, 2015
- Akcay O., Erenoglu R.C., Erenoglu O., Yilmaztürk F., Karaca Z. Thermal 3d Modeling of Geothermal Area Using Terrestrial Photogrammetry, *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12-17 April 2015
- Erenoglu R.C., Akcay O., Erenoglu O., Karaca Z. GNSS Assisted UAS Based Monitoring of Ambaroba Landslide, Canakkale, NW Turkey, *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12-17 April 2015

Erenoglu O., Erenoglu R.C., Akcay O. Geological and Geomorphological Characterizations of Landslides on The Coast of The Biga Peninsula (Canakkale, NW Turkey), European Geosciences Union General Assembly 2015, Vienna, Austria, 12-17 April 2015

Erenoglu R.C., Akcay O., Erenoglu O. Estimating of Landslide by Repeated GPS/GNSS Measurements in the Ambaroba Region, Canakkale, NW Turkey, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 5-6 November 2015

Akcay O., Erenoglu R.C., Erenoglu O. Accuracy Assessment of Unmanned Aerial System (UAS) - based Thermal Photogrammetry, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 5-6 November 2015

Erenoglu O., Akcay O., Erenoglu R.C. Classification of Geological Characteristics using Thermal Camera Images: A Case Study from Tuzla Geothermal Area (Canakkale-TURKEY)", International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 5-6 November 2015

Erenoglu R.C., Erenoglu O., Akcay O. A New Approach for Mapping Different Types of Rock and Alteration Properties using Photogrammetry Assisted UAV: A Case Study for Karadag Mining Area, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 5-6 November 2015

2014

Gunay A., Akcay O., Altan M.O. Building A Semantic Based Public Transportation Geoportals Compliant With The Inspire Transport Network Data Theme, Earth Science Informatics, vol.7, pp.25-37, 2014.

Erenoglu O., Erenoglu R.C., Akcay O. Determination Surface Characteristics And Alteration of Koru Mining Area (NW Turkey) By UAV Photogrammetry, FIG Congress 2014, Kuala Lumpur, Malaysia, 16-21 June 2014.

Erenoglu R.C., Akcay O., Erenoglu O., Şengül E., Karaca Z. UAV Based Monitoring of Adatepe Landslide, Canakkale, NW Turkey", FIG Congress 2014, Kuala Lumpur, Malaysia, 16-21 June 2014.

Erenoglu R.C., Akcay O., Karaca Z., Erenoglu O., Şengül E., Yücel M.A. Monitoring of Landslides Using Repeated Kinematics Gps Observables In Sevketiye Town, Biga Peninsula, Canakkale, NW Turkey, EGU General Assembly, Vienna, Austria, 27 April - 2 May 2014

Erenoglu R.C., Akcay O., Karaca Z., Erenoglu O., Şengül E., Yücel M.A. Monitoring of Landslides Using Repeated Kinematics GPS Observables: A Case Study Of Adatepe Landslide, Biga Peninsula, Canakkale, NW Turkey , 67<sup>th</sup> Geological Congress of Turkey, Ankara, Turkey, 14-18 April 2014.

2013

Akcay O., Akyılmaz O., Tuncdemir H., Güçlü E., Yılmaztürk S., Motagh M. Monitoring and evaluation of the continuous surface changes on Orhaneli open-mine pit, 5<sup>th</sup> TerraSAR-X / 4<sup>th</sup> TanDEM-X Science Team Meeting, Oberpfaffenhofen, Germany, 10-14 June 2013.

Tuncdemir H., Akcay O., Akyılmaz O., Güçlü E., Yılmaztürk S., Motagh M., A Methodology for Deformation Control with InSAR: Orhaneli Open Pit Mine Case Study, 23<sup>th</sup> International Mining Congress And Exhibition of Turkey, Antalya, Turkey, 16-19 April 2013

Erenoglu R.C., Akcay O., Şengül E., Komut T., Erenoglu O. Monitoring Of Landslides Using Geomatics And Geophysical Methods: The First Findings From Sevketiye Landslide, Canakkale, Nw Turkey, International Symposium on Modern Technologies,

Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 8-9 November 2013

Akçay O., Erenoglu R.C., Erenoglu O., Sinecan M. The Visualization Of Historical Monuments Using Photogrammetry Case Study: Gallipoli Peninsula, International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 8-9 November 2013

Erenoglu O., Erenoglu R.C., Akçay O., Sinecan M. Preliminary Results On The Geology And Alteration Characteristics Obtained By Uav. A Case Study From Biga Peninsula (NW Turkey), International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofia, Bulgaria, 8-9 November 2013.

Akçay O., Erenoglu R.C., Yücel M.A., Modeling of Historical Mirrored Bazaar Using Photogrammetric Method, 14<sup>th</sup> Scientific and Technical Surveying Conference of Turkey, Ankara, Turkey, 14-17 May 2013

Şanlıyüksel D., Yücel M.A., Karaca Z., Cetiner S. Z., Kamaci C., Erenoglu R.C., et al., Determining the Geochemical Characteristics of Geothermal Resources and Generating a Geothermal Information System of Thermal Waters in Biga Peninsula, NW Turkey, 245<sup>th</sup> ACS National Meeting & Exposition, New Orleans, ABD, 7-11 Nisan 2013

2002-2011

Akçay O., Altan M.O., An Ontology-Based Visualization for Mobile Geoinformation Services., Scientific Research And Essays, vol.6, no.4, pp.993-1000, 2011

Akçay O., An Ontological Route Determination Service, The International Symposium on Spatial-Temporal Analysis and Data Mining, London, England, 18th-19th July 2011

Akçay O., Altan O., Spatial Relations And Inferences For Context Aware Visualization, Joint International Conference on Theory, Data Handling and Modelling, HONGKONG, 26-28 May.2010, pp.484-486.

Akçay O., Altan O., The visualisation with being theory in Location-Based Services, ITU Journal, no.3, ss.49-56, 2009

Akçay O., Altan O., Symbol-Based Simplification With Fuzzy Logic Approach On Mobile Devices, ISPRS Congress Beijing 2008, China., 3-11 July 2008

Akçay O., Altan O., Ontology For Context-Aware Visualization Of Spatial Data In Mobile Devices, Joint Workshop - Visualization and Exploration of Geospatial Data, Germany, 27 - 29 June 2007

Akçay O., Yılmaztürk F., An Approach For Representation Of Historical Objects By Means Of 2d Web-Based Gis, The Icomos & Isprs Committee For Documentation Of Cultural Heritage, Italy, 26 September - 1 October 2005, pp.622-624 78.

Duran Z., Akçay O., Toz G., Gulersoy N.Z., Landscape Modelling And Visualization In Suburban Areas: A Case Study, The Icomos & Isprs Committee For Documentation Of Cultural Heritage, Italy, 26 September - 1 October 2005, pp.783-786

Akçay O., Duran Z., Dogru A.G., Toz G., Altan O., Panoramic Image Integration Within A Web-Based Gis Application, ISPRS 2004 XXth International Congress, Turkey, July 2004, pp.371-374

Akçay O., Altan O., Design Of A Tourist Information System (TIS) And Integration With A Panoramic Imaging, CIPA 2003 XIXth International Symposium -New perspectives to save cult, Turkey, 30 September - October 2003, pp.157-160

Saroglu E., Yasa F., Akcay O., Abali H., Musaoglu N., Coastal And Erosion Risk Analysis Using Remote Sensing And Gis: A Case Study In Sile And Agva Towns, 23th Earsel Conference, Belgium, 2-5 June 2003, pp.349-352

## COMPUTER SKILLS

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### Operating Systems and Programming Languages

· Knowledge in Windows, Linux, Mac, MATLAB, Python, Java environments.

### Softwares

· Photomodeller, Pix4DMapper, Agisoft Photoscan, PCI Geomatica, ENVI, E-Cogntion, SNAP, PostgreSQL/PostGIS, AutoCAD.

## PERSONAL

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Reading, cycling, swimming.