

## Prof. ERTAN GÖKALP

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-3416-2020

ScopusID: 24471365000

Yoksis Researcher ID: 2010

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Harita Mühendisliği, Turkey 1993 - 1995

Postgraduate, University of New Brunswick, Engineering, Surveying Engineering, Canada 1988 - 1991

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, Turkey 1982 - 1986

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, GPS Ölçü Süresini Kısaltma Amaçlı Yöntem Geliştirme, Karadeniz Technical University, Fen Bilimleri, Harita Mühendisliği, 1995

Postgraduate, Evaluation of GPS Measurements by MINQUE and Integration of GPS and Levelling in Subsidence Monitoring, University of New Brunswick, Faculty Of Engineering,, Surveying, 1991

### Research Areas

Geotechnical Engineering, Measuring Technique, Deformation Measurements, GPS-GNSS, Ground Measurements, Height Measurements, Engineering and Technology

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2009 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2000 - 2009

## Courses

Jeodezik Ölçmeler, Undergraduate, 2018 - 2019

Mühendislik Ölçmeleri, Undergraduate, 2017 - 2018

GNSS Ölçmeleri, Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Creating orthophotos with unmanned aerial vehicles and examining its accuracy and usability in geodetic applications**  
Kadi A. D., Gokalp E., Kadi F.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.21, 2022 (SCI-Expanded)
- II. **Monitoring surface deformations of the reclamation site using PS interferometry: Senol Gunes sport complex (Turkey)**  
Altintas F., GÖKALP E.  
GEOCARTO INTERNATIONAL, vol.37, no.24, pp.7247-7260, 2022 (SCI-Expanded)
- III. **Image classification-based ground filtering of point clouds extracted from UAV-based aerial photos**  
Yilmaz V., Konakoglu B., ŞERİFOĞLU YILMAZ Ç., GÜNGÖR O., GÖKALP E.  
GEOCARTO INTERNATIONAL, vol.33, no.3, pp.310-320, 2018 (SCI-Expanded)
- IV. **Improving classification accuracy of spectrally similar land covers in the rangeland and plateau areas with a combination of WorldView-2 and UAV images**  
Akar A., Gokalp E., Akar O., Yilmaz V.  
GEOCARTO INTERNATIONAL, vol.32, no.9, pp.990-1003, 2017 (SCI-Expanded)
- V. **A Study on 2D similarity transformation using multilayer perceptron neural networks and a performance comparison with conventional and robust outlier detection methods**  
Konakoglu B., GÖKALP E.  
Acta Montanistica Slovaca, vol.21, no.4, pp.324-332, 2016 (SCI-Expanded)
- VI. **Determining the effects of Degirmandere River on Trabzon Harbor after construction of Black Sea highway on Black Sea coast**  
AKAR A., GÖKALP E., BAYATA H. F., AKAR O.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.19, pp.2965-2974, 2010 (SCI-Expanded)
- VII. **Fusion of low and high resolution satellite images to monitor changes on costal zones**  
GÜNGÖR O., BOZ Y., GÖKALP E., CÖMERT Ç., AKAR A.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.7, pp.654-662, 2010 (SCI-Expanded)
- VIII. **DEFORMATION MONITORING BY GPS AT EMBANKMENT DAMS AND DEFORMATION ANALYSIS**  
GÖKALP E., Tasci L.  
SURVEY REVIEW, vol.41, no.311, pp.86-102, 2009 (SCI-Expanded)
- IX. **Evaluation of Different Outlier Detection Methods for GPS Networks**  
Goekalp E., Guengoer O., Boz Y.  
SENSORS, vol.8, no.11, pp.7344-7358, 2008 (SCI-Expanded)
- X. **Monitoring of deformations along Burdur Fethiye fault zone with GPS**  
Erdogan S., Sahin M., Yavasoglu H., Tiryakioglu I., Erden T., Karaman H., Tari E., Bilgi S., Tuysuz O., Baybura T., et al.  
JOURNAL OF EARTHQUAKE ENGINEERING, vol.12, pp.109-118, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **DESIGNING A SUSTAINABLE RANGELAND INFORMATION SYSTEM FOR TURKEY**  
Akar A., Gokalp E.  
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.3, no.3, pp.87-97, 2018 (ESCI)
- II. **Deformation Measurements and Analysis with Robust Methods: A Case Study, Deriner Dam**  
KONAKOĞLU B., GÖKALP E.

Fırat University Turkish Journal of Science Technology, vol.31, no.1, pp.99-103, 2018 (Peer-Reviewed Journal)

III. **RTK(Real Time Kinematic) GPS'in İmar Uygulamalarında Kullanılması**

GÜNGÖR O., GOKALP E.

Harita Kadastro Mühendisliği Dergisi, no.87, pp.38-47, 2001 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **HASSAS NİVELMAN ÖLÇÜLERİ İLE DENİZ DOLGUSAHALARINDAKİ YÜZEY YÜKSEKLİK DEĞİŞİMLERİNİN BELİRLENMESİ ŞENOL GÜNEŞ MEDİKAL PARK ARENA SPOR KOMPLEKSİ ÖRNEĞİ.**  
Altıntaş F., GÖKALP E.  
Karadeniz 1. Uluslararası Multidisipliner Çalışmalar Kongresi, Giresun, Turkey, 15 - 17 March 2019, vol.1, no.1, pp.228-235
- II. **DENİZ DOLGU SAHALARINDAKİ YÜZEY DEFORMASYONLARININ SNAP-STAMPS ENTEGRASYONLU DAİMİ YANSITICI INTERFEROMETRE YÖNTEMİYLE İZLENMESİ ŞENOL GÜNEŞ MEDİKAL PARK ARENA SPOR KOMPLEKSİ ÖRNEĞİ**  
Altıntaş F., GÖKALP E.  
Karadeniz 1. Uluslararası Multidisipliner Çalışmalar Kongresi, Giresun, Turkey, 15 - 17 March 2019, vol.1, no.1, pp.212-222
- III. **Vertical Deformation Measurements Starting from the First Filling: A Case Study of the Deriner Dam**  
KONAKOĞLU B., GÖKALP E.  
ICADET International Conference on Advanced Engineering Technologies (ICADET) 2017, Bayburt, Turkey, 21 - 23 September 2017, pp.1
- IV. **Horizontal Deformation Monitoring at the Deriner Dam**  
Konakoğlu B., Gökalp E., Özdemir Ö., Kadı F., Yılmaz V.  
ICADET International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1457
- V. **Deformation Measurements and Analysis with Robust Methods A Case Study Deriner Dam**  
KONAKOĞLU B., GÖKALP E.  
International Conference on Advances and Innovations in Engineering (ICAIE) 2017, Elazığ, Turkey, 10 - 12 May 2017, pp.741-744
- VI. **Comparison of Artificial Neural Networks and GIS Based Solar Analysis for Solar Potential Estimation**  
KONAKOĞLU B., USTA Z., CÖMERT Ç., GÖKALP E.  
EGU General Assembly 2016, 17 - 22 April 2016, vol.18
- VII. **İnsansız Hava Aracı İle Üretilen Ortofoto Haritalarda Doğruluk Analizi**  
Yılmaz V., Akar A., Akar O., Güngör O., Karşlı F., Gokalp E.  
Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği VII. Teknik Sempozyumu (TUFUAB'2013), Trabzon, Turkey, 23 - 25 May 2013, pp.1-6
- VIII. **Evaluation of Real-Time Kinematic (RTK) GPS in Geodetic Applications**  
GÜNGÖR O., GOKALP E.  
International Symposium on GIS, İstanbul, Turkey, 15 - 18 September 2002, pp.1-10
- IX. **An Approach to Designing a Data Acquisition Dictionary in GPS/GIS Integration for Urbanization Projects**  
GÜNGÖR O., GOKALP E.  
3rd International Symposium Remote Sensing of Urban Areas, İstanbul, Turkey, 13 - 15 June 2002
- X. **GPS'in Kent Bilgi Sistemi Uygulamalarındaki Yeri ve Önemi**  
GÖKALP E., GÜNGÖR O.  
Yerel Yönetimlerde Kent Bilgi Sistemi Uygulamaları, Trabzon, Turkey, 13 - 15 October 1999, pp.307-316

## Other Publications

- I. RTK GPS ve İmar Uygulamaları Çalışmalarında Kullanılabilirliğinin İncelenmesi  
GÖKALP E., GÜNGÖR O.  
Technical Report, pp.19, 2000

## Supported Projects

ÇAKIR L., GÖKALP E., KONAKOĞLU B., ÖZDEMİR Ö., ULUKAVAK M., Project Supported by Higher Education Institutions, Total station ve Nivo Teknolojisinin Harita Mühendisliği Eğitim-Öğretiminde Etkin Kullanılması ve Ölçme Tekniği Laboratuvarının Donanımsal Geliştirilmesi, 2016 - 2017

GÖKALP E., KONAKOĞLU B., YILMAZ V., ÖZDEMİR Ö., KADI F., Project Supported by Higher Education Institutions, ARTVİN Deriner Barajının iki periyot Jeodezik Yöntemler ile Ölçülmesi, 2016 - 2017

GÖKALP E., KONAKOĞLU B., ŞEN K., ÇAKIR L., ÖZDEMİR Ö., Project Supported by Higher Education Institutions, GNSS TEKNOLOJİSİNİN HARİTA MÜHENDİSLİĞİ EĞİTİM-ÖĞRETİMDE ETKİN KULLANIMI, 2015 - 2016

GÖKALP E., Project Supported by Higher Education Institutions, Doğu Karadeniz Bölgesindeki Mera ve Yayla Alanlarındaki Değişimin Uzaktan Algılama Teknolojileriyle Tespiti ve Bilgi Sistemi Tasarımı: Trabzon İli Akçaabat İlçesi Örneği, 2012 - 2014

## Metrics

Publication: 27  
Citation (WoS): 115  
Citation (Scopus): 118  
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H-Index (Scopus): 6