

## Asst. Prof. DENİZTAN ULUTAŞ KARAKOL

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-2131-1057

Publons / Web Of Science ResearcherID: AAV-9318-2020

Yoksis Researcher ID: 152660

### Education Information

Doctorate, Karadeniz Technical University, -, Harita Mühendisliği, Turkey 2008 - 2015

Postgraduate, Karadeniz Technical University, -, Harita Mühendisliği, Turkey 2005 - 2008

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Jeodezi Ve Fotogrametri Mühendsiliği, Turkey 2000 - 2005

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Konumsal Veri Altyapılarında Semantik Web Servisi Kompozisyonu İçin Bir Mimari, Karadeniz Technical University, -, Harita Mühendisliği, 2015

Postgraduate, Semantik Web Servisleri ve Konumsal Veri Altyapıları, Karadeniz Technical University, -, Harita Mühendisliği, 2008

### Research Areas

Cartography, Geotechnical Engineering, Geographic Information Systems, Spatial Data Infrastructures, Computer Sciences, Database and Data Structures, Database Systems, Artificial Intelligence, Computer Learning and Pattern Recognition, Natural Language Processing, Internet-GIS, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2017 - 2018

Lecturer PhD, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2015 - 2017

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2005 - 2014

## Academic and Administrative Experience

Karadeniz Technical University, Harita Mühendisliği, 2019 - Continues

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2018 - 2022

Research Scholarship, University of Texas at Dallas, Department Of Computer Science , 2012 - 2013

## Courses

Spatial Data Mining, Doctorate, 2021 - 2022

CAD SİSTEMLERİ - II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2018 - 2019

KARTOGRAFYA, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

MÜHENDİSLİK TASARIMI, Undergraduate, 2018 - 2019, 2017 - 2018

ÖLÇME BİLGİSİ, Undergraduate, 2018 - 2019

BİTİRME PROJESİ, Undergraduate, 2018 - 2019

ARAZİ UYGULAMASI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

ÖLÇME BİLGİSİ, Undergraduate, 2018 - 2019

HARİTA BİLGİSİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

VERİ TABANI YÖNETİM SİSTEMİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

BİLGİSAYAR DESTEKLİ HARİTA YAPIMI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

YÜKSEK LİSANS TEZİ, Undergraduate, 2018 - 2019

ÖLÇME BİLGİSİ, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

TASARIM PROJESİ, Undergraduate, 2016 - 2017

## Advising Theses

ULUTAŞ KARAKOL D., Mekansal Adres Kayıt Sistemi (MAKS) Projesinin İrdelenmesi: Ordu İli Örneği, Postgraduate, S.ATAMAN(Student), 2019

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, June, 2019

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

- I. **Architecture for semantic web service composition in spatial data infrastructures**  
ULUTAŞ KARAKOL D., CÖMERT Ç.  
SURVEY REVIEW, vol.54, no.382, pp.1-16, 2022 (SCI-Expanded)
- II. **Semantic definition and matching for implementing national spatial data infrastructures**  
Ulutas D., KARA G., CÖMERT Ç.  
JOURNAL OF SPATIAL SCIENCE, vol.61, no.2, pp.441-459, 2016 (SCI-Expanded)
- III. **Semantic web services for implementing national spatial data infrastructures**  
CÖMERT Ç., Ulutas D., Akinci H., Kara G.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.7, pp.685-692, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **COVID-19 Aşıları için Türkçe Tweetlerle Duygu Analizi**  
Ulutaş Karakol D., Cömert Ç.

Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.14, no.4, pp.640-652, 2023 (Peer-Reviewed Journal)

**II. Transforming Meteorological Data into Linked Data: The Case of the Black Sea Region**

Ulutaş Karakol D., Cömert Ç.

Türk Uzaktan Algılama ve CBS Dergisi, vol.2, no.1, pp.47-58, 2021 (Peer-Reviewed Journal)

**III. An Investigation on Spatial Address Registration System: The Case of Ordu Province**

Ulutaş Karakol D., Ataman S., Cömert Ç.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, no.1, pp.179-195, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I. Sosyal Medya Verilerinden Depremle İlgili Konuların Belirlenmesi ve Konumsal Dağılımının İzlenmesi**

Gündüz H., Ulutaş Karakol D.

TMMOB Harita ve Kadastro Mühendisleri Odası, 19. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 4 - 06 October 2023, pp.83-91

**II. Forecasting Forest Fires By Meteorological Data Mining**

Ataş H., Zaman B., Kapucu S., Ulutaş Karakol D.

7th Engineers of Future International Student Symposium, Zonguldak, Turkey, 22 - 23 June 2023, pp.315-322

**III. Konumsal Verilerin Bağlantılı Açık Veri Olarak Yayınlanması**

Kara G., Ulutaş Karakol D., Yılmaz C., Cömert Ç.

TMMOB Harita ve Kadastro Mühendisleri Odası 17. Türkiye Harita Bilimsel Ve Teknik Kurultayı, Ankara, Turkey, 25 - 27 April 2019, pp.1-10

**IV. Semantic linking spatial rdf data to the web data sources**

ULUTAŞ KARAKOL D., KARA G., YILMAZ C., CÖMERT Ç.

ISPRS TC IV Mid-Term Symposium on 3D Spatial Information Science - The Engine of Change, Delft, Netherlands, 1 - 05 October 2018, vol.42, pp.711-715

**V. BAĞLANTILI VERİLERİN YAYINLANMASI VE GÖRSELLEŞTİRİLMESİ**

KARA G., YILMAZ C., ULUTAŞ KARAKOL D., CÖMERT Ç.

VII. UZAKTAN ALGILAMA CBS SEMPOZYUMU, Eskişehir, Turkey, 18 - 21 September 2018, pp.1-9

**VI. Semantic Definition and Matching for National Spatial Data Infrastructure**

KARA G., ULUTAŞ D., CÖMERT Ç.

INSPIRE Conference, İstanbul, Turkey, 23 - 27 June 2012, pp.1-35

**VII. Ulusal Konumsal Veri Altyapılarının gerçekleştirimi için Semantik Web Servisleri**

CÖMERT Ç., ULUTAŞ D., AKINCI H., KARA G.

TMMOB Harita ve Kadastro Mühendisleri Odası (Chamber of Surveying Engineering) 2. Coğrafi Bilgi Sistemleri Kongresi, İzmir, Turkey, 2 - 06 November 2009, pp.1-8

**VIII. Implementing Spatial Data Infrastructures with Semantic Web Services**

CÖMERT Ç., AKINCI H., ULUTAŞ D., KARA G., YILMAZ C.

European Commission Inspire Conference, Maribor, Slovenia, 23 - 25 June 2008, pp.1-39

**IX. Environmental Decision Making, Spatial Data Infrastructures and Semantic Web**

CÖMERT Ç., AKINCI H., ULUTAŞ D., KARA G., YILMAZ C., ŞAHİN N.

International Conference on the Planet Earth: Environment, Maritime Policies&Energy issues in the Black Sea, Trabzon, Turkey, 12 - 15 June 2008, pp.1-10

**X. Integrated Coastal Management, Marine Spatial Data Infrastructures, and Semantic Web Services**

CÖMERT Ç., ULUTAŞ D., AKINCI H., KARA G.

International Conference On Marine Data and Information Systems, Atina, Greece, 20 - 23 March 2008, pp.1-12

## Supported Projects

KARA G., YILMAZ A., YÜKSEL B., ULUTAŞ D., CÖMERT Ç., AKYAZI İ., YILMAZ C., OKUL A., TUBITAK Project, Topo25 Veri Tabanı için Semantik Veri Modelinin Kurulması, Continues

## Scientific Refereeing

International Journal of Engineering and Geosciences, Other Indexed Journal, November 2018

International Journal of Geographical Information Science, SCI Journal, August 2018

Dergipark Geomatik, National Scientific Refreed Journal, April 2018

International Journal of Engineering and Geosciences, Other Indexed Journal, April 2018

International Journal of Engineering and Geosciences, Other Indexed Journal, April 2018

Dergipark Geomatik, National Scientific Refreed Journal, February 2018

Dergipark Geomatik, National Scientific Refreed Journal, February 2018

## Metrics

Publication: 16

Citation (WoS): 10

Citation (Scopus): 12

H-Index (WoS): 2

H-Index (Scopus): 2

## Congress and Symposium Activities

17. TÜRKİYE HARİTA BİLİMSEL VE TEKNİK KURULTAYI, Attendee, Ankara, Turkey, 2019

ISPRS Technical Commission IV Symposium, Attendee, Rotterdam, Netherlands, 2018

VII. UZAKTAN ALGILAMA CBS SEMPOZYUMU, Attendee, Eskişehir, Turkey, 2018

INSPIRE CONFERENCE 2012, Attendee, İstanbul, Turkey, 2012

2. Coğrafi Bilgi Sistemleri Kongresi, Attendee, İzmir, Turkey, 2009

## Non Academic Experience

University Of Texas at Dallas