Res. Asst. Ayşe Giz Gülnerman Gengeç

Personal Information

Email: gulnerman@itu.edu.tr

International Researcher IDs
ORCID: 0000-0002-9163-6068
ScopusID: 56939037700
Yoksis Researcher ID: 196646

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Geomatics Engineering, Turkey 2014 - 2020
Doctorate, The University of Nottingham, Nottingham Geospatial Institute, United Kingdom 2017 - 2018
Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği, Turkey 2011 - 2014
Undergraduate, Middle East Technical University, Faculty Of Architecture, Department Of City And Regional Planning, Turkey 2004 - 2009

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, Afet Kriz Yönetimine Coğrafi Bilgi Teknolojilerinin Katkısı ve Hayat Kurtaran Büfe Önerisi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği , 2014

Research Areas

Technical Sciences, Geotechnical Engineering, Geographic Information Systems, Architecture, City and Regional Planning, Urban Planning and Development, Multi-Criteria Decision Making Analysis

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, İnşaat, Geomatik Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Spatial Reliability Assessment of Social Media Mining Techniques with Regard to Disaster Domain-Based Filtering**
Gülnerman Gengeç A. G., Karaman H.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, 2020 (SCI-Expanded)

II. **Citizens' Spatial Footprint on Twitter-Anomaly, Trend and Bias Investigation in Istanbul**

Gülnerman Gengeç A. G., Karaman H., Pekaslan D., Bilgi S.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, 2020 (SCI-Expanded)

III. **Site selection of the Turkish Antarctic Research station using Analytic Hierarchy Process**
Yavaşoğlu H. H., Karaman H., Özsoy B., Bilgi S., Tutak B., Gülnerman Gengeç A. G., Oktar Ö., Yirmibeşoğlu S.
POLAR SCIENCE, vol.22, 2019 (SCI-Expanded)

IV. **DISASTER CAPACITY BUILDING WITH A GIS TOOL OF PUBLIC PARTICIPATION**
GULNERMAN A. G., Göksel Ç., Tezer A.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.237-243, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **Sosyal Medyanın Gönüllü Coğrafi Veri Olarak Kullanımı ve Sosyal Medya Verilerinden Coğrafya Sözlüğü Üretimi**
Gülnerman A. G., Karaman H.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.2, pp.276-286, 2020 (Peer-Reviewed Journal)

II. **COMPLEXITY MEASURES OF SPORTS FACILITIES ALLOCATION IN URBAN AREA BY METRIC ENTROPY AND PUBLIC DEMAND COMPATIBILITY**
Bilgi S., Gülnerman Gengeç A. G., Arslanoğlu B., Karaman H., ÖZTÜRK Ö.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.4, no.3, pp.141-148, 2019 (ESCI)

Books & Book Chapters

I. **New Age of Crisis Management with Social Media**
Gülnerman A. G., Karaman H., Basiri A.
in: Open Source Geospatial Science for Urban Studies, Mobasheri Amin, Editor, Springer, London/Berlin , Zürich, pp.131-160, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **Credibility Index of the Social media Users to Detect Spatial Outliers**
GÜLNERMAN A. G., KARAMAN H., BASİRİ A., MARSH S.
RGS-IBG 2018, Cardiff, United Kingdom, 28 - 31 August 2018

II. **Geography of pre-referendum tweets and Twitter users**
Gülnerman A. G., Basiri A., Karaman H., Marsh S.
26th GIScience Research UK Conference, Leicester, United Kingdom, 17 - 20 April 2018, pp.1-7

III. **The Dams and Monitoring Systems and Case Study: Ataturk and Karakaya Dams**
KALKAN Y., BİLGİ S., GÜLNERMAN A. G.
American Geophysical Union 2017, 11 - 15 December 2017

IV. **Navigation System for Blind, Hearing and Visually Impaired People in ITU Ayazaga Campus**
Bilgi S., ÖZTÜRK Ö., Gülnerman Gengeç A. G.
International Conference on Computing Networking and Informatics (ICCNI), Ota, Japan, 29 - 31 October 2017

V. **Social Media Spatial Monitor of Coup Attempt in the Republic of Turkey**
Gülnerman Gengeç A. G., Karaman H.
17th International Conference on Computational Science and its Applications (ICCSA), Trieste, Italy, 3 - 06 July 2017

VI. **Antarktika'da Farklı Coğrafi Bölgelerde Jeodezik Ölçmeler, Lazer Tarama ve CBS Uygulamaları**
YAVAŞOĞLU H. H., ALKAN M. N., ARSLAN A. E., GÜLNERMAN A. G.

TMMOB Harita ve Kadastro Mühendisleri Odası, 16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Turkey, 3 - 06 May 2017

VII. **Antarktika'da Farklı Coğrafi Bölgelerde Jeodezik Ölçmeler**
YAVAŞOĞLU H. H., ALKAN M. N., Gülnerman Gengeç A. G., ÖZSOY ÇİÇEK B., BAŞAR E.
Kutup Arktik ve Antarktik Bilim Programı Çalıştayı, İstanbul, Turkey, 12 - 13 April 2017

VIII. **Antarktika'da GNSS çalışmaları ve Horseshoe örneği**
ALKAN M. N., YAVAŞOĞLU H. H., Gülnerman Gengeç A. G., ÖZSOY ÇİÇEK B.
Kutup Arktik ve Antarktik Bilim Programı Çalıştayı, İstanbul, Turkey, 12 - 13 April 2017

IX. **Kutup Çalışmalarında Coğrafi Bilgi Sistemileri Kullanımı ve Önemi**
Gülnerman Gengeç A. G., YAVAŞOĞLU H. H., ALKAN M. N., ÖZSOY ÇİÇEK B., DURAK O. S., Oktar Ö.
Kutup Arktik ve Antarktik Bilim Programı Çalıştayı, İstanbul, Turkey, 12 - 13 April 2017

X. **Analyzing Spatial Distribution of OSYM Offices in Istanbul Due to the Service Areas**
ÖZTÜRK Ö., BİLGİ S., GÜLNERMAN A. G.
International Scientific Conference on Applied Sciences ISCAS 2016, Antalya, Turkiye, Antalya, Turkey, 27 - 30 September 2016

XI. **REVIEW OF PUBLIC TWEETS OVER TURKEY WITHIN A PRE-DETERMINED TIME**
GÜLNERMAN A. G., GENGEÇ N. E., KARAMAN H.
FIRST INTERNATIONAL CONFERENCE ON SMART DATA AND SMART CITIES, 30TH UDMS, Split, Croatia, 7 - 09 September 2016, vol.41, pp.153-159

XII. **PPGIS Case Studies Comparison and Future Questioning**
Gülnerman Gengeç A. G., Karaman H.
15th International Conference on Computational Science and Its Applications (ICCSA), Banff, Canada, 22 - 25 June 2015, pp.104-107

XIII. **A LOCATION BASED COMMUNICATION PROPOSAL FOR DISASTER CRISIS MANAGEMENT**
Gülnerman Gengeç A. G., Tezer A., Göksel Ç.
5. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2014), İstanbul, Turkey, 14 - 17 October 2014, pp.1-7

XIV. **LIFESAVING KIOSK MODEL SUGGESTION FOR DISASTER CRISIS MANAGEMENT**
Gülnerman Gengeç A. G., Bük O., Göksel Ç.
TMMOB COĞRAFİ BİLGİ SİSTEMLERİ KONGRESİ 2013 , Ankara, Turkey, 11 - 13 November 2013, pp.1-7

Supported Projects

Karaman H., Gülnerman Gengeç A. G., Project Supported by Higher Education Institutions, SOCIAL MEDIA DATA VALUATION MODEL FOR DISASTER INCIDENCE MAPPING, 2017 - 2021

Metrics

Publication: 25
Citation (WoS): 9
Citation (Scopus): 19
H-Index (WoS): 2
H-Index (Scopus): 3

Scholarships

2214-A, TUBITAK, 2017 - 2018

Non Academic Experience

Northwestern University
Berlin University of Technology and Economics University of Applied Sciences
University of Nottingham