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Personal Information

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International Researcher IDs

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ScopusID: 57034091800

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği, Turkey
2015 - 2019

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği, Turkey
2012 - 2015

Postgraduate, Lund University, Physical Geography and Ecosystem Analysis, Physical Geography and Ecosystem Analysis,
Sweden 2013 - 2014

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2007 - 2012

Dissertations

Doctorate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2019

Postgraduate, MEKANSAL VERİ ALTYAPILARINDA GEOMETRİK ENTEGRASYON, Yıldız Teknik Üniversitesi, Graduate
School of Natural and Applied Sciences, Harita Mühendisliği, 2015

Research Areas

Cartography, Geotechnical Engineering, Geographic Information Systems, Map, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2012 - Continues

Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Ab Ofisi: Ytü Erasmus + Program Birimi, 2018 - Continues

Courses

Topografik Harita Üretimi, Undergraduate, 2019 - 2020

Kartografya Ve Jeoenformatik Uygulaması, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of reverse geocoding on OpenStreetMap tag quality assessment**
Kılıç B., Hacı M., Gülgen F.
TRANSACTIONS IN GIS, vol.27, no.5, pp.1599-1613, 2023 (SSCI)
- II. **Analyzing the Behaviors of OpenStreetMap Volunteers in Mapping Building Polygons Using a Machine Learning Approach**
HACAR M.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.11, no.1, 2022 (SCI-Expanded)
- III. **Comparison of two methods for multiresolution terrain modelling in GIS**
Gökgöz T., Hacı M.
Geocarto International, vol.35, pp.1360-1372, 2020 (SCI-Expanded)
- IV. **A New, Score-Based Multi-Stage Matching Approach for Road Network Conflation in Different Road Patterns**
Hacı M., Gökgöz T.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, 2019 (SCI-Expanded)
- V. **Analyzing OpenStreetMap Road Data and Characterizing the Behavior of Contributors in Ankara, Turkey**
Hacı M., Kılıç B., Şahbaz K.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.7, 2018 (SCI-Expanded)
- VI. **KENTSEL BÜYÜME İLE MOTORLU ARAÇ TRAFİĞİ YOĞUNLUĞU ARASINDAKİ İLİŞKİNİN BELİRLENMESİ: İSTANBUL ÖRNEĞİ**
POLAT Z. A., Memduhoğlu A., HACAR M., DUMAN H.
Nigde Üniversitesi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.442-451, 2017 (SSCI)
- VII. **A New Algorithm for Cartographic Simplification of Streams and Lakes Using Deviation Angles and Error Bands**
Gökgöz T., Şen A., Memduhoğlu A., Hacı M.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.4, pp.2185-2204, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **A new approach for matching road lines using efficiency rates of similarity measures**
Hacı M., Gökgöz T.
International Journal of Engineering and Geosciences, vol.6, no.3, pp.146-156, 2021 (ESCI)
- II. **Analyzing the Contribution Trends of Volunteers by Comparing Tag Metadata of OpenStreetMap Residential Roads**
Hacı M.
Harita Dergisi, vol.164, no.2, pp.77-87, 2020 (Peer-Reviewed Journal)
- III. **A RULE-BASED APPROACH FOR GENERATING URBAN FOOTPRINT MAPS: FROM ROAD NETWORK TO URBAN FOOTPRINT**
Hacı M.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.5, pp.100-108, 2020 (ESCI)
- IV. **USAGE OF VARIANCE IN DETERMINATION OF SINUOSITY INTERVALS FOR ROAD MATCHING**
Hacı M., Gökgöz T.
Selçuk University Journal of Engineering ,Science and Technology, vol.6, pp.779-786, 2018 (Peer-Reviewed Journal)
- V. **AN EXPERIMENTAL STUDY ON MAP PROJECTION TRANSFORMATION USING GIS TOOLS**

Gökgöz T., Hacı M., Memduhođlu A., İlçi V., Karabulut M. F., Tekin A. C., Özerdem Ö. Z.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.35, pp.101-117, 2017 (Peer-Reviewed Journal)

VI. AN EXPERIMENT ON DISTANCE METRICS USED FOR ROAD MATCHING IN DATA INTEGRATION

Hacı M., Gökgöz T.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, pp.527-542, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Preprocessing Open Data for Optimizing Estimation Times in Urban Network Analysis: Extracting, Filtering, Geoprocessing, and Simplifying the Road-Center Lines**
Hacı M., Mara F., Altafini D., Cutini V.
12th International Conference on Innovation in Urban and Regional Planning (INPUT2023), L'aquila, Italy, 06 September 2023, pp.1-12
- II. **The status of wheelchair-tagged OpenStreetMap point data in European capital cities**
Hacı M., Öztürk Hacı Ö.
2nd Intercontinental Geoinformation Days, Mersin, Turkey, 5 - 06 May 2021, pp.76-79
- III. **Using geometric and semantic attributes for semi-automated tag identification in OpenStreetMap data**
Hacı M.
GISRUK 2021, Cardiff, United Kingdom, 14 - 16 April 2021, pp.1-6
- IV. **A CONCEPTUAL MODEL FOR GEO-OBJECT MATCHING**
Hacı M., Gökgöz T.
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019, vol.1, no.1, pp.97-102
- V. **SELECTION OF HYDROGRAPHIC OBJECTS IN TOPO50 DATABASE FROM TOPO25 DATABASE USING DRAINAGE NETWORKS DERIVED FROM DIGITAL ELEVATION MODELS**
Gökgöz T., Hacı M.
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019, vol.1, no.1, pp.92-96
- VI. **DETERMINING TRANSFORMATION METHOD FOR THE ALIGNMENT PROCESS OF ROAD MATCHING**
Hacı M., Gökgöz T.
INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES, Çanakkale, Turkey, 18 - 21 October 2017, pp.78
- VII. **Spatial Data Accessibility: Future Directions of QR Codes**
POLAT Z. A., HACAR M., ALKAN M.
INSPIRE Conference 2016, Barselona, Spain, 26 September 2016
- VIII. **The Complexities of Matching İstanbul Metropolitan Municipality Road Data with Open Street Map Data**
Hacı M., Gökgöz T.
INSPIRE Conference 2016, Barcelona, Spain, 26 - 30 September 2016
- IX. **A Case Study on Map Conflation by Open Source GIS**
Hacı M., Gökgöz T.
INSPIRE Conference, Florence, Italy, 23 - 27 June 2013

Supported Projects

Hacı M., Öztürk Hacı Ö., Nebiler M., World Bank Supported Project, DÜNYA BANKASI'NIN KIBRIS TÜRK TOPLUMA

YÖNELİK GERÇEKLEŞTİRDİĞİ, HANE HALKI BÜTÇE ANKETİ PROJESİ , 2020 - 2020

Gökgöz T., Hacı M., Project Supported by Other Official Institutions, Developing a New Method for Selection of Streams in TOPOVT Databases to Represent on Standard Topographic Maps at scale of 1:50.000 and 1:100.000 by means of Drainage Networks Derived from Digital Elevation Models, 2017 - 2019

Scientific Refereeing

GEOCARTO INTERNATIONAL, Journal Indexed in SCI-E, May 2019

Scientific Consultations

World Bank, Scientific Consultancy, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey, 2020 - Continues

Metrics

Publication: 22

Citation (WoS): 35

Citation (Scopus): 44

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

Dünya Bankası (World Bank)