Res. Asst. PhD Müslüm HACAR

Personal Information

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Education Information

Doctorate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, Harita Mühendisliği, Turkey
2015 - 2019
Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Harita Mühendisliği, Turkey
2012 - 2015
Post Graduate, Lund University, Physical Geography and Ecosystem Analysis, Physical Geography and Ecosystem
Analysis, Sweden 2013 - 2014
Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Construction, Geomatic Engineering, Turkey 2007 - 2012

Dissertations

Doctorate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2019
Post Graduate, 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, Yıldız Teknik Üniversitesi, Faculty of Construction, Geomatic Engineering, 2012 - Continues

Professional Experience

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

Courses

Topografik Harita Üretimi, Under Graduate, 2019 - 2020
Kartografya Ve Jeoenformatik Uygulaması, Under Graduate, 2019 - 2020
Teknik Resim ve Tasarı Geometri, Under Graduate, 2019 - 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. Comparison of two methods for multiresolution terrain modelling in GIS
Gökgöz T., Hacar M.
Geocarto International, vol.35, pp.1360-1372, 2020 (Journal Indexed in SCI)

II. A New, Score-Based Multi-Stage Matching Approach for Road Network Conflation in Different Road Patterns
Hacar M., Gökgöz T.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, 2019 (Journal Indexed in SCI)

III. Analyzing OpenStreetMap Road Data and Characterizing the Behavior of Contributors in Ankara, Turkey
Hacar M., Kılıç B., Şahbaz K.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.7, 2018 (Journal Indexed in SCI)

IV. A New Algorithm for Cartographic Simplification of Streams and Lakes Using Deviation Angles and Error Bands
Gökgöz T., Şen A., Memduhoğlu A., Hacar M.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.4, pp.2185-2204, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Analyzing the Contribution Trends of Volunteers by Comparing Tag Metadata of OpenStreetMap Residential Roads
Hacar M.
Harita Dergisi, vol.164, pp.77-87, 2020 (Other Refereed National Journals)

II. A RULE-BASED APPROACH FOR GENERATING URBAN FOOTPRINT MAPS: FROM ROAD NETWORK TO URBAN FOOTPRINT
HACAR M.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.5, pp.100-108, 2020 (Journal Indexed in ESCI)

III. USAGE OF VARIANCE IN DETERMINATION OF SINUOSITY INTERVALS FOR ROAD MATCHING
Hacar M., Gökgöz T.
Selcuk University Journal of Engineering ,Science and Technology, vol.6, pp.779-786, 2018 (International Refereed University Journal)

IV. 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, pp.442-451, 2017 (National Refreed University Journal)

V. AN EXPERIMENTAL STUDY ON MAP PROJECTION TRANSFORMATION USING GIS TOOLS
Gökgöz T., Hacar M., Memduhoğlu 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 (Journal Indexed in ESCI)

VI. AN EXPERIMENT ON DISTANCE METRICS USED FOR ROAD MATCHING IN DATA INTEGRATION
Hacar M., Gökgöz T.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, pp.527-542, 2016 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. A CONCEPTUAL MODEL FOR GEO-OBJECT MATCHING
Hacar M., Gökgöz T.
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019, vol.1,

no.1, pp.97-102

II. **SELECTION OF HYDROGRAPHIC OBJECTS IN TOPO50 DATABASE FROM TOPO25 DATABASE USING DRAINAGE NETWORKS DERIVED FROM DIGITAL ELEVATION MODELS**
Gökgöz T., Hacar M.
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019, vol.1, no.1, pp.92-96

III. **DETERMINING TRANSFORMATION METHOD FOR THE ALIGNMENT PROCESS OFROAD MATCHING**
Hacar M., Gökgöz T.
INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES, Çanakkale, Turkey, 18 - 21 October 2017, pp.78

IV. **Spatial Data Accessibility: Future Directions of QR Codes**
POLAT Z. A. , HACAR M., ALKAN M.
INSPIRE Conference 2016, Barselona, Spain, 26 September 2016

V. **The Complexities of Matching İstanbul Metropolitan Municipality Road Data with Open Street Map Data**
Hacar M., Gökgöz T.
INSPIRE Conference 2016, Barcelona, Spain, 26 - 30 September 2016

VI. **A Case Study on Map Conflation by Open Source GIS**
Hacar M., Gökgöz T.
INSPIRE Conference, Florence, Italy, 23 - 27 June 2013

Supported Projects

Hacar M., Öztürk Hacar Ö., Nebiler M., World Bank Supported Project, Poverty and Equity, 2020 - 2020
Gökgöz T., Hacar 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, Yildiz Technical University, Faculty Of Construction, Geomatic Engineering, Turkey, 2020 - Continues

Citations

Total Citations (WOS):18
h-index (WOS):2