Assoc. Prof. BERK ANBAROĞLU

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Education Information

Doctorate, University College London, Mühendislik Fakültesi, Geomatik Mühendisliği, United Kingdom 2009 - 2013
Undergraduate, Baskent University, Faculty Of Engıneerıng, Bilgisayar Mühendisliği, Turkey 2003 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Spatio-temporal clustering for non-recurrent traffic congestion detection on urban road networks, University College London, 2013

Research Areas

Geotechnical Engineering, Geographic Information Systems, Computer Sciences, Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Space Time Cube analytics in QGIS and Python for hot spot detection**
Çalışkan M., ANBAROĞLU B.
SoftwareX, vol.24, 2023 (SCI-Expanded)

II. **Extending INSPIRE to accommodate urban drone logistics**
Bilgin G., ANBAROĞLU B.
GEOCARTO INTERNATIONAL, vol.37, no.26, pp.12536-12560, 2022 (SCI-Expanded)

III. **A collaborative GIS programming course using GitHub Classroom**
ANBAROĞLU B.
TRANSACTIONS IN GIS, vol.25, no.6, pp.3132-3158, 2021 (SSCI)

IV. **Adopting citizen science approach for water quality monitoring in Uzungol, Turkey**
Cakmak E., UĞURLU A., ANBAROĞLU B.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.193, no.9, 2021 (SCI-Expanded)

V. **Non-recurrent traffic congestion detection on heterogeneous urban road networks**
ANBAROĞLU B., Cheng T., Heydecker B.
TRANSPORTMETRICA A-TRANSPORT SCIENCE, vol.11, no.9, pp.754-771, 2015 (SCI-Expanded)

VI. **Spatio-temporal clustering for non-recurrent traffic congestion detection on urban road networks**
ANBAROĞLU B., Heydecker B., Cheng T.
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, vol.48, pp.47-65, 2014 (SCI-Expanded)

VII. **How tube strikes affect macroscopic and link travel times in London**
Tsapakis I., Heydecker B. G., Cheng T., Anbaroglu B.
TRANSPORTATION PLANNING AND TECHNOLOGY, vol.36, no.1, pp.109-129, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **A REPRODUCIBLE APPROACH TO ESTIMATE INDOOR SPACE AREA ON A HANDHELD LIDAR DATASET USING DBSCAN**
ANBAROĞLU B., Karabay H.
8th International Conference on GeoInformation Advances, GeoAdvances 2024, İstanbul, Turkey, 11 - 12 January 2024, vol.48, pp.37-43

II. **Reproducible Extraction of Building Footprints from Airborne LiDAR Data: A Demo Paper**
Erdem M., ANBAROĞLU B.
31st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL GIS), Hamburg, Germany, 13 - 16 November 2023, pp.125-128

III. **BIG TRAJECTORY DATA: A DISTRIBUTED COMPUTING PERSPECTIVE**
ANBAROĞLU B., Alter Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.48, pp.21-27

IV. **Web GIS For Public Participation in Urban Regeneration**
Ardıç E., İLGAR A., ANBAROĞLU B.
EURASIAN GIS Congress 2018, Baku, Azerbaijan, 4 - 07 September 2018, pp.130-134

V. **• Sultan Kocaman, Berk Anbaroğlu, Ayşenur Uğurlu, Nusret Demir (2017) Coğrafi Teknolojilerin Sivil Bilim Gelişimine Katkısı**
KOCAMAN S., ANBAROĞLU B., UĞURLU A., DEMİR N.
16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Turkey, 3 - 06 June 2017

VI. **Coğrafi Bilgi Teknolojilerinin Sivil Bilimdeki Yeri**
KOCAMAN S., ANBAROĞLU B., UĞURLU A., DEMİR N.
Tufuab IX. Teknik Sempozyumu, Afyon, Turkey, 27 - 29 April 2017

VII. **Sivil Bilim: Mobil Çağda Bilimsel Süreçlerin Gelişimine Yeni Bir Yaklaşım**
KOCAMAN S., ANBAROĞLU B., UĞURLU A., DEMİR N.
19. AKADEMİK BİLİŞİM KONFERANSI, Turkey, 8 - 10 February 2017

VIII. **Integration of Science Technology and Citizen Participation in Water Quality Monitoring**
KOCAMAN S., UĞURLU A., ANBAROĞLU B., ANDAÇ ÖZDİL A. M.
ECSACitizen Science –Innovation in Open Science, Berlin, Germany, 19 - 21 May 2016

IX. **Monitoring the Water Quality using Citizen Science Approach**
KOCAMAN S., ANDAÇ ÖZDİL A. M., ANBAROĞLU B., UĞURLU A.
First International ECSA Conference, 19 May 2016

X. **DEFINING DYNAMIC SPATIO-TEMPORAL NEIGHBOURHOOD OF NETWORK DATA**
Cheng T., Anbaroglu B.
Joint International Conference on Theory, Data Handling and Modelling in GeoSpatial Information Science, Hong Kong, PEOPLES R CHINA, 26 - 28 May 2010, vol.38, pp.75-79

XI. **Considering Spatio-Temporal Outliers in Function Approximation**
Anbaroglu B.

23rd International Symposium on Computer and Information Sciences (ISCIS), İstanbul, Turkey, 27 - 29 October 2008, pp.520-525

Supported Projects

ANBAROĞLU B., AYDIN C. C., NOHUTCU M., KOCAMAN S., DEMİRER A. O., TEKE K., Project Supported by Higher Education Institutions, Geomatik Mühendisliği Bölümü Eğitim Öğretim Altyapı Olanaklarının İyileştirilmesi, 2017 - 2019

UĞURLU A., KENDİR E., ANBAROĞLU B., Ermiş D. E., Project Supported by Higher Education Institutions, Uzungölün Su Kalitesinin İzlenmesinde Sivil Bilim Yaklaşımının İncelenmesi, 2017 - 2019

ANBAROĞLU B., Project Supported by Higher Education Institutions, Sivil Bilim Mobil Çağda Bilimsel Süreçlerin Gelişimine Yeni Bir Yaklaşım, 2017 - 2017

ANBAROĞLU B., CHENG T., HEYDECKER B., Project Supported by Higher Education Institutions, Trafik Talebinin Şehiriçi Trafik Ağlarındaki Sıkışıkları Nasıl Etkileyeceğinin Araştırılması, 2016 - 2016

ANBAROĞLU B., HEYDECKER B., CHENG T., Project Supported by Higher Education Institutions, Coğrafi Bilişim ile Sivil Bilim, 2016 - 2016

ANBAROĞLU B., AKBAŞ Ü., BAHADUR B., Project Supported by Higher Education Institutions, Bilgisayar Laboratuvarının Merkezi bir Sunucu ile Yönetilmesi, 2015 - 2016

Metrics

Publication: 18
Citation (WoS): 70
H-Index (WoS): 3