

## Res. Asst. Atakan BİLGİLİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ADR-8170-2022

ScopusID: 58195446800

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2023 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2020 - 2023

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2015 - 2020

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

3D-Modeling, Cartography, Geotechnical Engineering, Geographic Information Systems, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Laser Scanning

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2020 - Continues

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

- Evaluating geometric similarities between indoor navigation routes and walking patterns of pedestrians through Geographic Information System and Multi-Criteria Decision Analysis**  
Bilgili A., Şen A., Başaraner A. M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.2, pp.1255-1270, 2024 (SCI-Expanded)
- Explainability in wind farm planning: A machine learning framework for automatic site selection of wind farms**  
Bilgili A., Arda T., Kılıç B.  
ENERGY CONVERSION AND MANAGEMENT, vol.309, pp.1-21, 2024 (SCI-Expanded)

### III. EVALUATION OF INDOOR PATHS BASED ON INDOOR NAVIGATION NETWORK MODELS AND SPACE SYNTAX MEASURES

BİLGİLİ A., ŞEN A., BAŞARANER A. M.

GEODETSKI VESTNIK, vol.67, no.1, pp.11-39, 2023 (SSCI)

### Articles Published in Other Journals

#### I. Indoor navigation network models: A comparative investigation

Bilgili A., Şen A., Başaraner A. M.

Jeodezi ve Jeoinformasyon Dergisi, vol.9, no.2, pp.108-126, 2022 (Peer-Reviewed Journal)

### Papers Published in Refereed Scientific Meetings

#### I. Kıyasal Kırılgenliğin Makine Öğrenmesi Yöntemleri ile İncelenmesi: Marmara Kıyıları Örneği

Arda T., Bilgili A., Bayrak O. C., Uzar A. M.

YTU Grad Colloquium'24, İstanbul, Turkey, 04 June 2024, pp.1

#### II. Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması

Doğan U., Yüzer N., Acar U., Akbaba M. F., Akbulut M. T., Akgün C., Akın O., Akkaya H. C., Akpınar B., Aktaş Z., et al.

Türkiye Ulusal Jeodezi Komisyonu (TUJK) XXII. Sempozyumu 2023, Trabzon, Turkey, 29 November - 01 December 2023, pp.5-6

#### III. Indoor Mapping Using Machine Learning Based Classification of 3D Point Clouds

Şen A., Bilgili A.

18th International Conference on Location Based Services (LBS 2023), Ghent, Belgium, 20 - 22 November 2023, pp.77-81

#### IV. A Framework for Automatic Selection of Indoor Landmarks using Machine Learning Algorithms and Shapley Additive Explanations

Bilgili A., Şen A.

18th International Conference on Location Based Services (LBS 2023), Ghent, Belgium, 20 - 22 November 2023, pp.25-30

#### V. İç Mekân Navigasyon Rotaları ve Yayaların Yürüme Örüntüleri Arasındaki Geometrik Benzerliklerin Değerlendirilmesi

Bilgili A., Şen A., Başaraner A. M.

7. Coğrafi Bilgi Sistemleri Kongresi (CBS 2022), Ankara, Turkey, 3 - 05 October 2022, pp.1

#### VI. Investigation of Indoor Navigation Network Models

Bilgili A., Şen A., Başaraner A. M.

18. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 26 - 29 May 2021, pp.1

### Supported Projects

Uzar A. M., Musaoğlu N., Kılıç B., Bayrak O. C., Bilgili A., Arda T., TUBITAK Project, Using Generative Artificial Intelligence Models for Damage Assessment in a Possible Istanbul Earthquake and Deriving Information for Post-Disaster Activity Planning through Integration with Geographic Information Systems, 2024 - 2026

Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçınar Sel B., Erdem Okumuş D., Kılıç B., Özarpacı S., Bayrak O. C., Sakarya A., et al., Project Supported by Higher Education Institutions, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024

Acar U., Şen A., Akpınar B., Bilgili A., Project Supported by Higher Education Institutions, Development of Smart Campus Infrastructure Based on Indoor Positioning Systems Yıldız Technical University Davutpaşa Campus Sample, 2021 - 2023

## **Peer Reviews in Scientific Publications**

Advances in Geomatics, Other Indexed Journal, April 2024

International Journal of Environment and Geoinformatics, National Scientific Refreed Journal, December 2023

### **Metrics**

Publication: 10

Citation (Scopus): 9

H-Index (Scopus): 1