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Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Geomatics Engineering, Turkey 2023 - Continues
Postgraduate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Geomatics Engineering, Turkey 2020 - 2023
Undergraduate Double Major, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2017 - 2021
Undergraduate, Istanbul Technical University, İnşaat, Geomatik Mühendisliği, Turkey 2016 - 2020

Dissertations

Postgraduate, CLASSIFICATION OF THREE-DIMENSIONAL POINT CLOUD VIA MACHINE LEARNING METHODS, Istanbul Technical University, İnşaat, Geomatik Mühendisliği, 2023

Research Areas

Geotechnical Engineering, Geographic Information Systems, Construction Management, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, İnşaat, Geomatik Mühendisliği, 2021 - Continues

Refereed Congress / Symposium Publications in Proceedings

I. **Simulation of Fire Dynamics and Building Evacuation Using Three-Dimensional Building Information Model**
Aksu K., Özcan T., Karadağ İ., Demirel H.
Uluslararası Yangın ve Güvenlik Sempozyumu ve Yangın Güvenliği Sergisi, İstanbul, Turkey, 22 - 24 November 2023, pp.1-15
II. **Digital Transformation of Campuses: The Role of HD Map**
Aksu K., Demirel H., Alkan R. M., Yanalak M.
EUROPEAN TRANSPORT CONFERENCE, Milan, Italy, 4 - 06 September 2023, pp.1-14
III. **Creating Indoor Fire Escape Scenarios in A Digital Environment**

Aksu K., Demirel H.
Mimarlık ve Yangın Sempozyumu, İstanbul, Turkey, 4 - 05 May 2023, pp.47-54

Supported Projects

Demirel H., Gençoğlu M., Duran Z., Algancı U., IŞIKDAĞ Ü., KARADAĞ İ., Şeker D. Z., TUBITAK Project, Building Information Modelling (BIM) Based Fire Evacuation Simulation, 2021 - 2024
Yanalak M., Aksu K., Demirel H., Alkan R. M., Akın Ö., Project Supported by Higher Education Institutions, İstanbul Teknik Üniversitesi Ayazağa Kampüsü Dijital Yol Altyapısı için Yüksek Çözünürlüklü Haritaların (YÇH) üretimi, 2022 - 2023
Çelikoğlu H. B., TUBITAK Project, Effects of Cooperative Vehicle Dynamics in Traffic Flow Modeling: Simulation and Control, 2021 - 2023

Metrics

Publication: 3