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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAQ-4833-2020

Yoksis Researcher ID: 173882

Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey Continues

University Of Southern California, Computer Science, Computer Science, Turkey Continues

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik-Haberleşme Bölümü, Turkey Continues

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, hareketli nesne veri tabanlarında modelleme ve erişim yapılarının tasarımı ve gerçekleştirilmesi, Yıldız Teknik Üniversitesi, Eef, Bilgisayar Muh, 2007

Research Areas

Mathematics, Computer Science, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2001 - Continues

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2019 - Continues

Farabi Coordinator, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2015 - Continues

Courses

dosya duzenleme, Undergraduate, 2017 - 2018

veri tabani sistemleri, Undergraduate, 2017 - 2018

Advising Theses

KALAY M. U., Eğitimsel amaçlı VT sisteminin gerçekleştirimi, Postgraduate, A.YANATMA(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel approaches on bulk-loading of large scale spatial datasets**
KALAY M. U.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.9, 2022 (SCI-Expanded)
- II. **A Comparison Study of Moving Object Index Structures**
Kalay M. U., KALIPSIZ O.
JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, vol.24, no.6, pp.1098-1108, 2009 (SCI-Expanded)
- III. **Probabilistic point queries over network-based movements**
KALAY M. U., KALIPSIZ O.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2005, PROCEEDINGS, vol.3733, pp.823-832, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Uzamsal Verilerde İndeks Kullanımının Sorgu Verimliliği Üzerinde Etkileri**
Özdeniz E., Kalay M. U.
Academic Perspective Procedia, vol.5, no.3, pp.210-221, 2022 (Conference Book)
- II. **DATABASE SYSTEM SUGGESTIONS FOR THE INTERNET OF THINGS (IOT) SYSTEMS**
KALAY M. U.
Mugla Journal of Science and Technology, vol.4, no.1, pp.46-52, 2018 (Peer-Reviewed Journal)
- III. **MONPAR - A Page Replacement Algorithm for a Spatiotemporal Database**
KALAY M. U., KALIPSIZ O.
PROCEEDINGS OF WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY, VOL16, vol.16, pp.269-273, 1900 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Extension for Workload Performance Measurement in an Educational Database System**
KALAY M. U.
Third International Conference on Trends in Computing and Information Technology (ICTCIT 2018), İstanbul, Turkey, 04 July 2018, vol.7, no.2, pp.12-21
- II. **Probabilistic point queries over network-based movements**
Kalay U., kalipsiz O.
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Turkey, 26 - 28 October 2005, pp.823-832

Metrics

Publication: 8

Citation (WoS): 1

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

Non Academic Experience

istanbul teknik universitesi EEF