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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2016 - 2019

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2013 - 2016

Undergraduate, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2012

Dissertations

Postgraduate, Çok yüksek çözünürlüklü kamera donanımı ve paralel görsel veritabanı, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2016

Academic Titles / Tasks

Research Assistant, Kafkas University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **QoS-aware IoT networks and protocols: A comprehensive survey**
DİLEK S., İrgan K., GÜZEL M., ÖZDEMİR S., BAYDERE Ş., Charnsripinyo C.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.35, no.10, 2022 (SCI-Expanded)
- II. **Fair and energy-aware IoT service composition under QoS constraints**
GÜZEL M., ÖZDEMİR S.
JOURNAL OF SUPERCOMPUTING, vol.78, no.11, pp.13427-13454, 2022 (SCI-Expanded)
- III. **Priority Enabled Content Based Forwarding in Fog Computing via SDN**
İNAĞ Y., GÜZEL M., YILDIRIM OKAY F., DEMİRCİ M., ÖZDEMİR S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, pp.1-21, 2022 (SCI-Expanded)
- IV. **Priority enabled content based forwarding in fog computing via SDN**
İNAĞ Y., GÜZEL M., Okay F. Y., DEMİRCİ M., ÖZDEMİR S.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.4, pp.1439-1459, 2022 (SCI-Expanded)
- V. **ANFIS and Deep Learning based missing sensor data prediction in IoT**
GÜZEL M., KÖK İ., AKAY D., Ozdemir S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.32, no.2, 2020 (SCI-Expanded)

Books & Book Chapters

I. Recent trends in air quality prediction: An artificial intelligence perspective

KÖK İ., GÜZEL M., ÖZDEMİR S.

in: Intelligent Environmental Data Monitoring for Pollution Management, Siddhartha Bhattacharyya, Naba Kumar Mondal, Jan Platos, Václav Snášel, Pavel Krömer, Editor, Elsevier-Academic Press, Londrina, pp.195-221, 2021

Refereed Congress / Symposium Publications in Proceedings

I. A New CEP based Air Quality Prediction for Fog based IoT

GÜZEL M., ÖZDEMİR S.

2019 International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Turkey, 18 - 20 June 2019

II. A New CEP-based Air Quality Prediction Framework for Fog based IoT

GÜZEL M., Ozdemir S.

International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Turkey, 18 - 20 June 2019

III. SMOTE and Gaussian Noise Based Sensor Data Augmentation

Arslan M., Güzel M., Demirci M., Özdemir S.

4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.458-462

IV. QoS Prediction Methods in IoT A Survey

Bagiroz B., GÜZEL M., YAVANOĞLU U., Ozdemir S.

IEEE International Conference on Big Data (Big Data), Los-Angeles, Chile, 9 - 12 December 2019, pp.2128-2133

V. Comparative Analysis of IoT Communication Protocols

Corak B. H., YILDIRIM OKAY F., GÜZEL M., Murt S., Ozdemir S.

International Symposium on Networks, Computers and Communications (ISNCC), Rome, Italy, 19 - 21 June 2018

VI. Multi Sensor Based Indoor Positioning

Uyar C., Dervisoglu I., GÜZEL M., Ozdemir S.

2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.104-109

VII. A Survey of Insect Eye Inspired Visual Sensors

GÜZEL M., ÜNAL M.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.139-142

Metrics

Publication: 14

Citation (WoS): 49

Citation (Scopus): 97

H-Index (WoS): 2

H-Index (Scopus): 3