Lect. PhD SEYYİT ALPER SERT

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ScopusID: 56176634700

Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey 2014 - 2018

Foreign Languages

French, A1 Beginner

Research Areas

algorithms, Computer Networks, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2022 - Continues
Lecturer, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2014 - 2018

Courses

Programming with Python for Engineers, Undergraduate, 2021 - 2022
Introduction to C Progrramming, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Increasing energy efficiency of rule-based fuzzy clustering algorithms using CLONALG-M for wireless sensor networks**

Sert S. A., Yazici A.

Applied Soft Computing, vol.109, 2021 (SCI-Expanded)

II. **A Fusion-Based Framework for Wireless Multimedia Sensor Networks in Surveillance Applications**

Yazici A., Koyuncu M., Sert S. A., Yilmaz T.

IEEE ACCESS, vol.7, pp.88418-88434, 2019 (SCI-Expanded)

III. **A Two-Tier Distributed Fuzzy Logic Based Protocol for Efficient Data Aggregation in Multihop Wireless Sensor Networks**

SERT S. A., Alchihabi A., YAZICI A.

IEEE TRANSACTIONS ON FUZZY SYSTEMS, vol.26, no.6, pp.3615-3629, 2018 (SCI-Expanded)

IV. **MOFCA: Multi-objective fuzzy clustering algorithm for wireless sensor networks**

SERT S. A., Bagci H., YAZICI A.

APPLIED SOFT COMPUTING, vol.30, pp.151-165, 2015 (SCI-Expanded)

V. **Evolutionary Multiobjective Query Workload Optimization of Cloud Data Warehouses**

Dokeroglu T., SERT S. A., Cinar M. S.

SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **A Multi-Level Blockchain-based NodeAuthentication Approach for UAV-assisted WirelessSensor Networks**

SERT S. A.

10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023

II. **A Role-Based Access Control Management Model on Blockchain for Restricted Facilities: An Airport Example**

Zorlu O., ÖZSOY A., SERT S. A.

10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023

III. **A Novel Hybrid Grey Wolf Optimization Methodology for Resource Constrained Networks Kaynak Kisitli Ağlar için Yeni Bir Hibrit Gri Kurt Eniyileme Metodolojisi**

SERT S. A.

30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

IV. **Optimizing the Performance of Rule-Based Fuzzy Routing Algorithms in Wireless Sensor Networks**

Sert S. A., YAZICI A.

2019 IEEE International Conference on Fuzzy Systems, FUZZ 2019, Louisiana, United States Of America, 23 - 26 June 2019, vol.2019-June

V. **An Efficient Fuzzy Path Selection Approach to Mitigate Selective Forwarding Attacks in Wireless Sensor Networks**

SERT S. A., Fung C., George R., YAZICI A.

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Naples, Italy, 9 - 12 July 2017

VI. **Effects of Selective Forwarding Attacks on Wireless Sensor Network Efficiency**

Sert S. A., YAZICI A., Cosar A.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

VII. **Fuzzy Processing in Surveillance Wireless Sensor Networks**

SERT S. A., YAZICI A., Dokeroglu T.

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Vancouver, Canada, 24 - 29 July 2016, pp.1509-1515

VIII. **Improving Hadoop Hive Query Response Times Through Efficient Virtual Resource Allocation**

Dokeroglu T., Cinar M. S., SERT S. A., COŞAR A., YAZICI A.

11th International Conference on Flexible Query Answering Systems (FQAS), Cracow, Poland, 26 - 28 October 2015, vol.400, pp.215-225

IX. **Security Attacks and Countermeasures in Surveillance Wireless Sensor Networks**
Sert S. A., Onur E., Yazici A.
9th International Conference of Information and Communiation Technologies (AICT), Rostov-on-Don, Russia, 14 - 16 October 2015, pp.201-205

X. **Impacts of Routing Attacks on Surveillance Wireless Sensor Networks**
SERT S. A., YAZICI A., COŞAR A.
11th IEEE International Wireless Communications and Mobile Computing Conference (IEEE IWCMC), Dubrovnik, Croatia, 24 - 25 August 2015, pp.910-915

XI. **An Efficient Fuzzy Fusion-Based Framework for Surveillance Applications in Wireless Multimedia Sensor Networks**
SERT S. A., YAZICI A., COŞAR A., Yilmazer C.
10th International Wireless Communications & Mobile Computing Conference (IWCMC), Nicosia, CYPRUS, 4 - 08 August 2014, pp.767-772

XII. **Data Fusion and Processing in Wireless Multimedia Sensor Networks: An Analysis for Surveillance Applications**
SERT S. A., YAZICI A., COŞAR A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.421-424

XIII. **Designing cloud data warehouses using multiobjective evolutionary algorithms**
Dökeroğlu T., Sert S. A., Çinar M. S., Coşar A.
6th International Conference on Agents and Artificial Intelligence, ICAART 2014, Angers, France, 6 - 08 March 2014, vol.1, pp.571-576

Supported Projects

YAZICI A., SERT S. A., TUBITAK Project, Kablosuz Çoklu Ortam Duyarga Ağlarında Gözetleme Uygulamaları İçin Füzyon-Tabanlı Çatı Tasarımı Ve Geliştirilmesi, 2015 - 2018

Scientific Refereeing

IEEE SENSORS JOURNAL, SCI Journal, February 2022
APPLIED SOFT COMPUTING, SCI Journal, March 2021
IEEE TRANSACTIONS ON FUZZY SYSTEMS, SCI Journal, September 2014

Metrics

Publication: 18
Citation (WoS): 269
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H-Index (Scopus): 6