

Prof. VEBİ ÇAĞRI GÜNGÖR

Personal Information

Office Phone: [+90 352 224 8800](tel:+903522248800)

Email: cagri.gungor@agu.edu.tr

Web: <http://people.agu.edu.tr/cagrigungor/>

Address: Abdullah Gül Üniversitesi, Sümer Kampüsü Bilgisayar Müh., Kocasinan, Kayseri

International Researcher IDs

ORCID: 0000-0003-0803-8372

Yoksis Researcher ID: 57454

Education Information

Doctorate, Georgia Institute of Technology, Elektrik Ve Bilgisayar Müh., United States Of America 2004 - 2007

Postgraduate, Middle East Technical University, Fen Bilimleri Enst., Elektrik-Elektronik Müh., Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Handover Algorithms for Mobile IPv6, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enst., Elektrik Elektronik Müh., 2013

Doctorate, Real-Time and Reliable Communication in Wireless Sensor and Actor Networks, Abdullah Gül Üniversitesi, Georgia Institute Of Technology, Elektrik Ve Bilgisayar Müh., 2007

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Computer Sciences, Computer Networks, Communications and Network Protocols, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Titles / Tasks

Professor, Abdullah Gul University, Mühendislik Fakültesi, Bilgisayar Müh., 2013 - Continues

Assistant Professor, Bahcesehir University, Faculty Of Engineering, Bilgisayar Müh., 2009 - 2013

Academic and Administrative Experience

Abdullah Gül Üniversitesi, 2015 - Continues

Abdullah Gül Üniversitesi, Mühendislik Fakültesi, 2015 - Continues

Abdullah Gül Üniversitesi, 2014 - Continues

Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Bilgisaya Müh., 2013 - Continues

Courses

Innovation and Entrepreneurship, Undergraduate, 2021 - 2022

Computer Networks, Postgraduate, 2021 - 2022

Computer Networks, Undergraduate, 2021 - 2022

Communication Networks, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An efficient network intrusion detection approach based on logistic regression model and parallel artificial bee colony algorithm**
KOLUKISA B., DEDETÜRK B. K., HACILAR H., Gungor V. C.
Computer Standards and Interfaces, vol.89, 2024 (SCI-Expanded)
- II. **Deep learning approaches for vehicle type classification with 3-D magnetic sensor**
KOLUKISA B., Yildirim V. C., Elmas B., Ayyildiz C., GÜNGÖR V. Ç.
Computer Networks, vol.217, 2022 (SCI-Expanded)
- III. **A reliable and secure multi-path routing strategy for underwater acoustic sensor networks**
UYAN O. G., AKBAŞ A., GÜNGÖR V. Ç.
COMPUTER NETWORKS, vol.212, 2022 (SCI-Expanded)
- IV. **Physical layer authentication for extending battery life**
Ayyildiz C., Cetin R., Khodzhaev Z., Kocak T., Soyak E. G., GÜNGÖR V. Ç., Kurt G. K.
AD HOC NETWORKS, vol.123, 2021 (SCI-Expanded)
- V. **CBI4.0: A cross-layer approach for big data gathering for active monitoring and maintenance in the manufacturing industry 4.0**
FAHEEM M., Butt R. A., Ali R., Raza B., Ngadi M. A., GÜNGÖR V. Ç.
JOURNAL OF INDUSTRIAL INFORMATION INTEGRATION, vol.24, 2021 (SCI-Expanded)
- VI. **Node-Level Error Control Strategies for Prolonging the Lifetime of Wireless Sensor Networks**
TEKİN N., YILDIZ H. U., GÜNGÖR V. Ç.
IEEE SENSORS JOURNAL, vol.21, no.13, pp.15386-15397, 2021 (SCI-Expanded)
- VII. **A deep learning approach with Bayesian optimization and ensemble classifiers for detecting denial of service attacks**
Gormez Y., AYDIN Z., Karademir R., GÜNGÖR V. Ç.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.33, no.11, 2020 (SCI-Expanded)
- VIII. **Analysis of compressive sensing and energy harvesting for wireless multimedia sensor networks**
Tekin N., GÜNGÖR V. Ç.
AD HOC NETWORKS, vol.103, 2020 (SCI-Expanded)
- IX. **The impact of error control schemes on lifetime of energy harvesting wireless sensor networks in industrial environments**
Tekin N., GÜNGÖR V. Ç.
COMPUTER STANDARDS & INTERFACES, vol.70, 2020 (SCI-Expanded)
- X. **Analyzing lifetime of energy harvesting underwater wireless sensor nodes**
Erdem H. E., GÜNGÖR V. Ç.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.33, no.3, 2020 (SCI-Expanded)
- XI. **Packet Size Optimization for Lifetime Maximization in Underwater Acoustic Sensor Networks**

YILDIZ H. U., GÜNGÖR V. Ç., TAVLI B.

IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.15, no.2, pp.719-729, 2019 (SCI-Expanded)

- XII. **Structure health monitoring using wireless sensor networks on structural elements**
Ayyildiz C., ERDEM H. E., Dirikgil T., Dugenci O., Kocak T., Altun F., GÜNGÖR V. Ç.
AD HOC NETWORKS, vol.82, pp.68-76, 2019 (SCI-Expanded)
- XIII. **QERP: Quality-of-Service (QoS) Aware Evolutionary Routing Protocol for Underwater Wireless Sensor Networks**
Faheem M., TUNA G., GÜNGÖR V. Ç.
IEEE SYSTEMS JOURNAL, vol.12, no.3, pp.2066-2073, 2018 (SCI-Expanded)
- XIV. **On the performance of LTE downlink scheduling algorithms: A case study on edge throughput**
Deniz C., Uyan O. G., GÜNGÖR V. Ç.
COMPUTER STANDARDS & INTERFACES, vol.59, pp.96-108, 2018 (SCI-Expanded)
- XV. **A survey on packet size optimization for terrestrial, underwater, underground, and body area sensor networks**
Yigit M., YILDIZ H. U., Kurt S., TAVLI B., GÜNGÖR V. Ç.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.31, no.11, 2018 (SCI-Expanded)
- XVI. **Performance analysis of Hamming code for WSN-based smart grid applications**
Yigit M., GÜNGÖR V. Ç., Boluk P.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.1, pp.125-137, 2018 (SCI-Expanded)
- XVII. **A survey on deployment techniques, localization algorithms, and research challenges for underwater acoustic sensor networks**
TUNA G., GÜNGÖR V. Ç.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.30, no.17, 2017 (SCI-Expanded)
- XVIII. **A survey on information security threats and solutions for Machine to Machine (M2M) communications**
TUNA G., Kogias D. G., GÜNGÖR V. Ç., Gezer C., Taskin E., Ayday E.
JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING, vol.109, pp.142-154, 2017 (SCI-Expanded)
- XIX. **Capacity and spectrum-aware communication framework for wireless sensor network-based smart grid applications**
Faheem M., GÜNGÖR V. Ç.
COMPUTER STANDARDS & INTERFACES, vol.53, pp.48-58, 2017 (SCI-Expanded)
- XX. **LRP: Link quality-aware queue-based spectral clustering routing protocol for underwater acoustic sensor networks**
Faheem M., TUNA G., GÜNGÖR V. Ç.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.30, no.12, 2017 (SCI-Expanded)
- XXI. **Packet Size Optimization in Wireless Sensor Networks for Smart Grid Applications**
Kurt S., YILDIZ H. U., Yigit M., TAVLI B., GÜNGÖR V. Ç.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.64, no.3, pp.2392-2401, 2017 (SCI-Expanded)
- XXII. **A novel data collection mechanism for smart grids using public transportation buses**
Bilgin B. E., Baktir S., GÜNGÖR V. Ç.
COMPUTER STANDARDS & INTERFACES, vol.48, pp.19-29, 2016 (SCI-Expanded)
- XXIII. **Collecting smart meter data via public transportation buses**
Bilgin B. E., Baktir S., GÜNGÖR V. Ç.
IET INTELLIGENT TRANSPORT SYSTEMS, vol.10, no.8, pp.515-523, 2016 (SCI-Expanded)
- XXIV. **Channel-aware routing and priority-aware multi-channel scheduling for WSN-based smart grid applications**
Yigit M., GÜNGÖR V. Ç., Fadel E., Nassef L., AKKARI N., Akyildiz I. F.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.71, pp.50-58, 2016 (SCI-Expanded)
- XXV. **Operator User Management System Based on the TMF615 Standard**
Yigit M., Macit M., Gungor V. Ç., Kocak T., OZHAN O.

- JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT, vol.24, no.1, pp.161-188, 2016 (SCI-Expanded)
- XXVI. **EDHRP: Energy efficient event driven hybrid routing protocol for densely deployed wireless sensor networks**
Faheem M., Abbas M. Z., Tuna G., GÜNGÖR V. Ç.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.58, pp.309-326, 2015 (SCI-Expanded)
- XXVII. **A survey on wireless sensor networks for smart grid**
Fadel E., GÜNGÖR V. Ç., Nassef L., Akkari N., Maik M. G. A., Almasri S., Akyildiz I. F.
COMPUTER COMMUNICATIONS, vol.71, pp.22-33, 2015 (SCI-Expanded)
- XXVIII. **Networking and communications for smart cities special issue editorial**
Theoleyre F., Watteyne T., Bianchi G., TUNA G., GÜNGÖR V. Ç., Pang A.
COMPUTER COMMUNICATIONS, vol.58, no.1, pp.1-3, 2015 (SCI-Expanded)
- XXIX. **Wireless sensor network-based communication for cooperative simultaneous localization and mapping**
Tuna G., Gungor V. Ç., Potirakis S. M.
COMPUTERS & ELECTRICAL ENGINEERING, vol.41, pp.407-425, 2015 (SCI-Expanded)
- XXX. **Quality-of-service differentiation in single-path and multi-path routing for wireless sensor network-based smart grid applications**
Sahin D., Gungor V. Ç., Kocak T., Tuna G.
AD HOC NETWORKS, vol.22, pp.43-60, 2014 (SCI-Expanded)
- XXXI. **Lifetime analysis of wireless sensor nodes in different smart grid environments**
Eris C., Saimler M., GÜNGÖR V. Ç., Fadel E., Akyildiz I. F.
WIRELESS NETWORKS, vol.20, no.7, pp.2053-2062, 2014 (SCI-Expanded)
- XXXII. **Cloud Computing for Smart Grid applications**
Yigit M., Gungor V. C., Baktir S.
COMPUTER NETWORKS, vol.70, pp.312-329, 2014 (SCI-Expanded)
- XXXIII. **Power line communication technologies for smart grid applications: A review of advances and challenges**
Yigit M., Gungor V. C., Tuna G., Rangoussi M., Fadel E.
COMPUTER NETWORKS, vol.70, pp.366-383, 2014 (SCI-Expanded)
- XXXIV. **Comparison of QoS-aware single-path vs. multi-path routing protocols for image transmission in wireless multimedia sensor networks**
Macit M., Gungor V. C., Tuna G.
AD HOC NETWORKS, vol.19, pp.132-141, 2014 (SCI-Expanded)
- XXXV. **Performance evaluation of cloud computing platforms using statistical methods**
Atas G., Gungor V. C.
COMPUTERS & ELECTRICAL ENGINEERING, vol.40, no.5, pp.1636-1649, 2014 (SCI-Expanded)
- XXXVI. **On the interdependency between multi-channel scheduling and tree-based routing for WSNs in smart grid environments**
Yigit M., Incel O. D., Gungor V. C.
COMPUTER NETWORKS, vol.65, pp.1-20, 2014 (SCI-Expanded)
- XXXVII. **Routing protocol design guidelines for smart grid environments**
Temel S., GÜNGÖR V. Ç., Kocak T.
COMPUTER NETWORKS, vol.60, pp.160-170, 2014 (SCI-Expanded)
- XXXVIII. **An autonomous wireless sensor network deployment system using mobile robots for human existence detection in case of disasters**
Tuna G., Gungor V. C., Gulez K.
AD HOC NETWORKS, vol.13, pp.54-68, 2014 (SCI-Expanded)
- XXXIX. **Special Section on Industrial Wireless Sensor Networks**
Hancke G. P., GÜNGÖR V. Ç., Hancke G. P.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.10, no.1, pp.762-765, 2014 (SCI-Expanded)
- XL. **The effects of exploration strategies and communication models on the performance of cooperative**

exploration

Tuna G., Gulez K., Gungor V. C.

AD HOC NETWORKS, vol.11, no.7, pp.1931-1941, 2013 (SCI-Expanded)

- XLII. **A Cross-Layer QoS-Aware Communication Framework in Cognitive Radio Sensor Networks for Smart Grid Applications**
Shah G. A., Gungor V. C., Akan O. B.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.9, no.3, pp.1477-1485, 2013 (SCI-Expanded)
- XLIII. **Analysis of low power wireless links in smart grid environments**
Kilic N., Gungor V. C.
COMPUTER NETWORKS, vol.57, no.5, pp.1192-1203, 2013 (SCI-Expanded)
- XLIV. **A Survey on Smart Grid Potential Applications and Communication Requirements**
Gungor V. Ç., Sahin D., Kocak T., Ergut S., Buccella C., Cecati C., Hancke G. P.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.9, no.1, pp.28-42, 2013 (SCI-Expanded)
- XLV. **Mobile Sensor Networks: Theory, Control, Communication, and Computation Issues**
GÜNGÖR V. Ç., Gulez K., Kawabata K., Tas N. C., TUNA G.
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, 2013 (SCI-Expanded)
- XLVI. **Wireless Sensor Networks for Smart Grid Applications: A Case Study on Link Reliability and Node Lifetime Evaluations in Power Distribution Systems**
Tuna G., Gungor V. C., Gulez K.
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, 2013 (SCI-Expanded)
- XLVII. **Smart Grid and Smart Homes Key Players and Pilot Projects**
Gungor V. Ç., Sahin D., Kocak T., Ergut S., Buccella C., Cecati C., Hancke G. P.
IEEE INDUSTRIAL ELECTRONICS MAGAZINE, vol.6, no.4, pp.18-34, 2012 (SCI-Expanded)
- XLVIII. **Delay-sensitive and multimedia communication in cognitive radio sensor networks**
Bicen A. O., Gungor V. C., Akan O. B.
AD HOC NETWORKS, vol.10, no.5, pp.816-830, 2012 (SCI-Expanded)
- XLIX. **COGNITIVE RADIO NETWORKS FOR SMART GRID APPLICATIONS A Promising Technology to Overcome Spectrum Inefficiency**
Gungor V. Ç., Sahin D.
IEEE VEHICULAR TECHNOLOGY MAGAZINE, vol.7, no.2, pp.41-46, 2012 (SCI-Expanded)
- L. **Spectrum-Aware and Cognitive Sensor Networks for Smart Grid Applications**
Bicen A. O., Akan O. B., Gungor V. C.
IEEE COMMUNICATIONS MAGAZINE, vol.50, no.5, pp.158-165, 2012 (SCI-Expanded)
- LI. **Adaptive error control in wireless sensor networks under harsh smart grid environments**
Bilgin B. E., Gungor V. C.
SENSOR REVIEW, vol.32, no.3, pp.203-211, 2012 (SCI-Expanded)
- LII. **Wireless Link-Quality Estimation in Smart Grid Environments**
Gungor V. Ç., Korkmaz M. K.
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, 2012 (SCI-Expanded)
- LIII. **Smart Grid Technologies: Communication Technologies and Standards**
Gungor V. Ç., Sahin D., Kocak T., Ergut S., Buccella C., Cecati C., Hancke G. P.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.7, no.4, pp.529-539, 2011 (SCI-Expanded)
- LIV. **Quality aware image transmission over underwater multimedia sensor networks**
Sarisaray-Boluk P., Gungor V. C., Baydere S., Harmanci A. E.
AD HOC NETWORKS, vol.9, no.7, pp.1287-1301, 2011 (SCI-Expanded)
- LV. **Wireless sensor networks for structure health monitoring: recent advances and future research directions**
Aygün B., Gungor V. Ç.
SENSOR REVIEW, vol.31, no.3, pp.261-276, 2011 (SCI-Expanded)
- LVI. **Opportunities and Challenges of Wireless Sensor Networks in Smart Grid**
Gungor V. Ç., Lu B., Hancke G. P.

- IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.57, no.10, pp.3557-3564, 2010 (SCI-Expanded)
- LV. Online and Remote Motor Energy Monitoring and Fault Diagnostics Using Wireless Sensor Networks**
Lu B., Gungor V. C.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.56, no.11, pp.4651-4659, 2009 (SCI-Expanded)
- LVII. Industrial Wireless Sensor Networks: Challenges, Design Principles, and Technical Approaches**
Gungor V. Ç., Hancke G. P.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.56, no.10, pp.4258-4265, 2009 (SCI-Expanded)
- LVIII. A real-time and reliable transport (RT)(2) protocol for wireless sensor and actor networks**
Gungor V. Ç., Khan O. B., Akyildiz I. F.
IEEE-ACM TRANSACTIONS ON NETWORKING, vol.16, no.2, pp.359-370, 2008 (SCI-Expanded)
- LIX. Delay aware reliable transport in wireless sensor networks**
Gungor V. Ç., Akan O. B.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.20, no.10, pp.1155-1177, 2007 (SCI-Expanded)
- LX. Communication and coordination in wireless sensor and actor networks**
Melodia T., Pompili D., Gungor V. C., Akyildiz I. F.
IEEE TRANSACTIONS ON MOBILE COMPUTING, vol.6, no.10, pp.1116-1129, 2007 (SCI-Expanded)
- LXI. On the cross-layer interactions between congestion and contention in wireless sensor and actor networks**
Gungor V. Ç., Vuran M. C., Akan O. B.
AD HOC NETWORKS, vol.5, no.6, pp.897-909, 2007 (SCI-Expanded)
- LXII. A survey on communication networks for electric system automation**
Gungor V. Ç., Lambert F.
COMPUTER NETWORKS, vol.50, no.7, pp.877-897, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. Big Data acquired by Internet of Things-enabled industrial multichannel wireless sensors networks for active monitoring and control in the smart grid Industry 4.0**
Faheem M., Fizza G., Ashraf M. W., Butt R. A., Ngadi M. A., GÜNGÖR V. Ç.
DATA IN BRIEF, vol.35, 2021 (ESCI)
- II. Classification of Cardiovascular Artery Diseases Using Artificial Neural Network**
HACILAR H., GÖRMEZ Y., GÜNGÖR B., Gezer C., AYDIN Z., GÜNGÖR V. Ç.
International Journal of Bioscience, Biochemistry and Bioinformatics, vol.10, no.1, pp.34-41, 2020 (Peer-Reviewed Journal)
- III. Weighted Association Rules and Scoring Methodology for Cardiovascular Diseases**
Göy G., Kolukisa B., Güngör B., Uğur İ., Güngör V. Ç.
International Journal of Bioscience, Biochemistry and Bioinformatics, vol.9, no.4, pp.222-230, 2019 (Peer-Reviewed Journal)
- IV. Diagnosis of Coronary Heart Disease via Classification Algorithms and a New Feature Selection Methodology**
KOLUKISA B., Hacilar H., GÖY G., Kuş M., GÜNGÖR B., ARAL A., GÜNGÖR V. Ç.
International Journal of Data Mining Science, vol.1, no.1, pp.8-15, 2019 (Scopus)
- V. Intelligent Anomaly Detection Techniques for Denial of Service Attacks**
GÜNGÖR V. Ç., AYDIN Z., Karademir R.
International Journal of Computer and Communication Engineering, vol.7, no.2, pp.20-31, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Email Clustering & Generating Email Templates Based on Their Topics**
Coskun F., Gezer C., Gungor V. Ç.
5th International Conference on Information System and Data Mining, ICISDM 2021, Virtual, Online, United States Of America, 27 - 29 May 2021, pp.96-103
- II. **Data Mining Techniques in Direct Marketing on Imbalanced Data using Tomek Link Combined with Random Under-sampling**
Yilmaz Ü., Gezer C., Aydin Z., GÜNGÖR V. Ç.
5th International Conference on Information System and Data Mining, ICISDM 2021, Virtual, Online, United States Of America, 27 - 29 May 2021, pp.67-73
- III. **An Ensemble Feature Selection Methodology That Incorporates Domain Knowledge for Cardiovascular Disease Diagnosis Koroner Arter Hastaligi Tanisi Icin Alan Bilgisi Iceren Topluluk Oznitelik Secim Yontemi**
KOLUKISA B., GÜNGÖR V. Ç., Gungor B. B.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020
- IV. **Ensemble Churn Prediction for Internet Service Provider with Machine Learning Techniques**
GÖY G., KOLUKISA B., Bahcevan C., GÜNGÖR V. Ç.
5th International Conference on Computer Science and Engineering (UBMK), Diyarbakır, Turkey, 9 - 11 September 2020, pp.248-253
- V. **An Ensemble Feature Selection Methodology That Incorporates Domain Knowledge for Cardiovascular Disease Diagnosis**
KOLUKISA B., GÜNGÖR V. Ç., Gungor B. B.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- VI. **Delay Optimization for URLLC in Software Defined Networks: A Case Study on Platooning**
ÖZÇEVİK M., CANBERK B., GÜNGÖR V. Ç.
ICSNC 2019, 24 - 28 November 2019
- VII. **Credit Card Fraud Detection with Machine Learning Methods**
GÖY G., cengiz g., GÜNGÖR V. Ç.
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, Turkey, 11 - 15 September 2019
- VIII. **OFFER: Referee Suggester for Journal Editors**
COŞKUN M., Hilal H., Cengiz G., GÜNGÖR V. Ç.
IEEE Symposium on Computers and Communications, 30 June - 03 July 2019
- IX. **Lifetime Analysis of Error Control Schemes on Wireless Sensor Networks in Industrial Environments**
Tekin N., GÜNGÖR V. Ç.
2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019
- X. **Software Defined Communication Framework for Smart Grid to Meet Energy Demands in Smart Cities**
FAHEEM M., Umar M., Basit R., Rizwan Aslam B., Ngadi M. A., GÜNGÖR V. Ç.
2019 7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), Istanbul, Turkey, Turkey, 25 - 26 April 2019
- XI. **Ambient Energy Harvesting for Low Powered Wireless Sensor Network based Smart Grid Applications**
FAHEEM M., Muhammad Waqar A., Rizwan Aslam Butt B., Basit R., Ngadi M. A., GÜNGÖR V. Ç.
2019 7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), Istanbul, Turkey, Turkey, 25 - 26 April 2019
- XII. **Lifetime Analysis of Underwater Wireless Networks Concerning Privacy with Energy Harvesting and Compressive Sensing**
Uyan O. G., GÜNGÖR V. Ç.

2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019

- XIII. **Classification of Cardiovascular Artery Diseases based on Deep Neural Network**
Hacılar H., GÖRMEZ Y., GÜNGÖR B., Gezer C., AYDIN Z., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XIV. **Weighted Association Rules and Scoring Methodology for Cardiovascular Diseases**
GÖY G., KOLUKISA B., GÜNGÖR B., Uğur İ., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XV. **Coronary Artery Disease Diagnosis Using Optimized Adaptive Ensemble Machine Learning Algorithm**
KOLUKISA B., YAVUZ L., SORAN A., GÜNGÖR B., Tuncer D., ÖNEN A., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XVI. **OFFER : Referees Suggester for the Journal Editors**
Coskun M., HACILAR H., Gezer C., GÜNGÖR V. Ç.
IEEE Symposium on Computers and Communications (ISCC), Barcelona, Spain, 29 June - 03 July 2019, pp.124-129
- XVII. **Performance Analysis of Different Modulation Schemes for Underwater Acoustic Communications**
Bahcebasi A., GÜNGÖR V. Ç., TUNA G.
3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.396-401
- XVIII. **Evaluation of Hybrid Classification Approaches: Case Studies on Credit Dataset**
Cetiner E., GÜNGÖR V. Ç., KOÇAK T.
International Conference on Machine Learning and Data Mining in Pattern Recognition MLDM 2018, 15 - 20 July 2018
- XIX. **A Hybrid Energy Harvesting Framework for Energy Efficiency in Wireless Sensor Networks Based Smart Grid Applications**
YILDIZ H. U., GÜNGÖR V. Ç., TAVLI B.
2018 17TH ANNUAL MEDITERRANEAN AD HOC NETWORKING WORKSHOP (MED-HOC-NET), Capri, Italy, 20 - 22 June 2018, pp.1-6
- XX. **Evaluation of Classification Algorithms, Linear Discriminant Analysis and a New Hybrid Feature Selection Methodology for the Diagnosis of Coronary Artery Disease**
KOLUKISA B., Hacılar H., Goy G., Kus M., Bakir-Gungor B., Aral A., GÜNGÖR V. Ç.
2018 IEEE International Conference on Big Data, Big Data 2018, Washington, United States Of America, 10 - 13 December 2018, pp.2232-2238
- XXI. **Multi-Objective Evolutionary Routing Protocol for Underwater Acoustic Sensor Networks**
FAHEEM M., Ngadi M. A., GÜNGÖR V. Ç.
BalkanCom 2018, 6 - 08 June 2018
- XXII. **A Novel Feature Design and Stacking Approach for Non-Technical Electricity Loss Detection**
AYDIN Z., GÜNGÖR V. Ç.
2018 IEEE Innovative Smart Grid Technologies - Asia (ISGT Asia), Singapore, Singapore, 22 - 25 May 2018
- XXIII. **Credit risk analysis based on hybrid classification: Case studies on German and Turkish credit datasets**
Cetiner E., KOÇAK T., GÜNGÖR V. Ç.
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXIV. **Analyzing Lifetime of Energy Harvesting Sensor Nodes in Smart Grid Environment**
Erdem H. E., GÜNGÖR V. Ç.
First International Balkan Conference on Communications and Networking, Tirane, Albania, 30 May - 02 June 2017
- XXV. **QoS-Aware Downlink Scheduling Algorithm for LTE Networks: A Case Study on Edge Users**
GÜNGÖR V. Ç., Uyan O. G.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- XXVI. **Lifetime Analysis of Energy Harvesting Underwater Wireless Sensor Nodes**
ERDEM H. E., GÜNGÖR V. Ç.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXVII. **Analysis of Battery-Powered Sensor Node Lifetime for Smart Grid Applications**
Eris C., GÜNGÖR V. Ç., Boluk P. S.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.2117-2120
- XXVIII. **Next Generation Networks for Telecommunications Operators Providing Services to Transnational Smart Grid Operators**
Tuna G., Kiokes G. C., Zountouridou E. I., GÜNGÖR V. Ç.
12th IEEE International Conference on Informatics in Control, Automation and Robotics (ICINCO), Colmar, Alsace, France, 21 - 23 July 2015, pp.231-238
- XXIX. **PI-controlled ANN-based Energy Consumption Forecasting for Smart Grids**
Gezer G., Tuna G., Kogias D., Gulez K., GÜNGÖR V. Ç.
12th IEEE International Conference on Informatics in Control, Automation and Robotics (ICINCO), Colmar, Alsace, France, 21 - 23 July 2015, pp.110-116
- XXX. **Short Term Electricity Load Forecasting: A Case Study of Electric Utility Market in Turkey**
YASİN M., GÖZE T., ÖZCAN İ., GÜNGÖR V. Ç., AYDIN Z.
International Istanbul Smart Grid Congress And Exhibition, İstanbul, Turkey, 29 - 30 April 2015, pp.1-5
- XXXI. **Performance evaluations of next generation networks for smart grid applications**
Tuna G., Kaya E., Gulez K., Kiokes G. C., GÜNGÖR V. Ç.
3rd IEEE International Conference on Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 29 - 30 April 2015, pp.1-5

Supported Projects

GÜNGÖR V. Ç., TUBİTAK Project, Yapısal Sağlık İzlemesi İçin Düşük Enerji Tüketimli Kablosuz Bir Sistem Geliştirilmesi, 2015 - Continues

GÜNGÖR V. Ç., TUBİTAK Project, Kablosuz Sualtı Akustik Algılayıcı Ağlarında Güvenilir İletişim, 2015 - Continues

GÜNGÖR V. Ç., EU Framework Program Project, Mobile Opportunistic Traffic Offloading, 2011 - 2016

GÜNGÖR V. Ç., Project Supported by Higher Education Institutions, Bilgisayar Mühendisliği Bölümünün Gelecek Tasarımı Çalıştayı, 2015 - 2015

GÜNGÖR V. Ç., EU Framework Program Project, Spectrum-Aware and Reliable Wireless Sensor Networks for Europe's Future Electricity Networks and Power Systems, 2009 - 2013

GÜNGÖR V. Ç., Industrial Thesis Project, Design and Development of Common Communication Platform for Network Components,, 2010 - 2012

Activities in Scientific Journals

IEEE Trans. on Industrial Electronics, Committee Member, 2014 - Continues

Ad Hoc Networks, Committee Member, 2012 - Continues

Computer Communications, Special Issue Editor, 2015 - 2015

Scientific Refereeing

TÜBİTAK, Other Journals, December 2015

Ad Hoc Networks, SCI Journal, January 2015

IEEE Trans. on Industrial Electronics, SCI Journal, January 2015

Metrics

Publication: 100

Citation (WoS): 5083

Citation (Scopus): 5399

H-Index (WoS): 24

H-Index (Scopus): 23

Congress and Symposium Activities

Wireless Network Applications in smart Grid and Nano Devices, Invited Speaker, Jiddah, Saudi Arabia, 2015

Wireless Network Applications in Smart Grid and Nano Devices, Attendee, Jiddah, Saudi Arabia, 2015

3rd IEEE International Conference on Smart Grid Congress and Fair (ICSG), Attendee, İstanbul, Turkey, 2015

Awards

Güngör V. Ç., Türkiye Bilişim Derneği Prof. Dr. Aydın Köksal Bilgisayar Mühendisliği Bilim Ödülü, Türkiye Bilişim Derneği , December 2020

GÜNGÖR V. Ç., Genç Bilim İnsanı Ödülü, Bilim Kahramanları Derneği, June 2016

GÜNGÖR V. Ç., Editor of the Year Award, Ad Hoc Networks (Elsevier Science), January 2016

GÜNGÖR V. Ç., Üstün Başarılı Genç Bilim Adamı, TÜBA, June 2014

GÜNGÖR V. Ç., En iyi makale ödülü, IEEE Trans. on Industrial Electronics, October 2012