

Doç. Dr. AFM Shahan SHAH

Kişisel Bilgiler

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Biyografi

AFM Shahan SHAH received his B.Sc. degree in Electronics and Telecommunication Engineering from the Daffodil International University, Bangladesh, in 2009. He completed his M.Sc. degree in Information Technology from the University of Dhaka, Bangladesh, in 2011. He received the Ph.D. degree in Electronics and Communication Engineering from the Yıldız Technical University, Turkey, in 2020. For his Ph.D. work, he won a gold medal at the 32nd International Invention, Innovation & Technology Exhibition (ITEX 2021). Now he is working as an Associate Professor in the Department of Electronics and Communication Engineering, Yıldız Technical University, Turkey. His current research interest includes wireless communication, artificial intelligence, cross-layer design, etc. He is an author of a book. He has published a good number of research papers in international conferences and journals. He is a senior member of IEEE since 2019. He has been a TPC member for several IEEE conferences and a regular reviewer for various IEEE journals. He is currently serving as an Editor of the Open Transportation Journal (Bentham) and Associate Editor of the Journal of Cyber Security Technology (Taylor & Francis).

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Hab.Müh.Böl, Türkiye 2016 - 2020

Yüksek Lisans, University of Dhaka, Institute of Information Technology (IIT), Information Technology, Bangladeş 2010 - 2011

Lisans, Daffodil International University, Engineering , Electronics and Telecommunication Engineering , Bangladeş 2006 - 2009

Yabancı Diller

Türkçe, C1 İleri

İngilizce, C1 İleri

Bengal, C2 Ustalık

Yaptığı Tezler

Doktora, Araçsal Tasarsız Ağlar için Verimli ve Güvenilir Ortam Erişim Kontrol Protokollerinin Tasarımı ve Performans Analizi, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2020

Yüksek Lisans, Kablosuz Ağlarda İşbirlikli Haberleşme, University of Dhaka, 2011

Araştırma Alanları

Haberleşme Mühendisliği, Sinyal İşleme, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Hab.Müh.Böl, 2023 - Devam Ediyor

Dr. Öğr. Üyesi, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Hab.Müh.Böl, 2021 - 2023

Dr. Öğr. Üyesi, İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2020 - 2021

Verdiği Dersler

İşaret ve Sistemler, Lisans, 2022 - 2023

Yeni Nesil Telsiz Haberleşme Sistemleri, Doktora, 2021 - 2022

Sayısal Haberleşme Sistemlerinin Temelleri, Lisans, 2022 - 2023

Olasılık Teorisi, Lisans, 2021 - 2022

Sayısal İşaret İşleme, Lisans, 2021 - 2022

Haberleşme 1, Lisans, 2021 - 2022

Hücreli Haberleşme Sistemleri 1, Lisans, 2021 - 2022

Hücreli şebeke planlaması ve optimizasyonu, Doktora, 2021 - 2022

Yönetilen Tezler

Shah A. F. M. S., 5G için Etkili Bir MIMO Anten Tasarımı, Yüksek Lisans, D.JASIM(Öğrenci), 2023

Shah A. S., Kablosuz sensör ağlarında PEGASİS, HEED ve LEACH protokollerinin performans karşılaştırması, Yüksek Lisans, K.HAMEEDAH(Öğrenci), 2022

Shah A. S., Designing and Implementation of electronic Device controlled IoT for COVID 19 patients monitoring through secured communication system, Yüksek Lisans, A.Hussein(Öğrenci), 2021

Shah A. S., Yeni Nesil Haberleşme Sistemleri İçin Çoklu Erişim Tekniklerinin Performans Değerlendirilmesi ve Karşılaştırılması, Yüksek Lisans, A.Nidham(Öğrenci), 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **A Survey on Fluid Antenna Multiple Access for 6G: A New Multiple Access Technology That Provides Great Diversity in a Small Space**
Shah A. S., Karabulut M. A., Cinar E., Rabie K. M.
IEEE ACCESS, cilt.12, ss.88410-88425, 2024 (SCI-Expanded)
- II. **A self-learning deep neural network for classification of breast histopathological images**
Abdulaal A. H., Valizadeh M., Amirani M. C., SHAH A. F. M. S.
Biomedical Signal Processing and Control, cilt.87, 2024 (SCI-Expanded)
- III. **Internet of Things and Wireless Sensor Networks for Smart Agriculture Applications- A Survey**
Mowla M. N., Mowla N., Shah A. F. M. S., Rabie K., Shongwe T.
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- IV. **Acne Vulgaris Detection and Classification: A Dual Integrated Deep CNN Model**

- Islam M. B., Junayed M. S., Sadeghzadeh A., Anjum N., Ahsan A., Shah A. F. M. S.
 INFORMATICA : JOURNAL OF COMPUTING AND INFORMATICS, cilt.47, sa.4, ss.577-592, 2023 (SCI-Expanded)
- V. **Influence of Channel Fading and Capture for Performance Evaluation in Vehicular Communications**
 Shah A. F. M. S., Karabulut M. A., İlhan H., Tureli U.
 CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, cilt.46, sa.4, ss.322-332, 2023 (SCI-Expanded)
- VI. **Inspecting VANET with Various Critical Aspects – A Systematic Review**
 Karabulut M. A., Shah A. F. M. S., İlhan H., Pathan A. K., Atiquzzaman M.
 AD HOC NETWORKS, cilt.150, ss.1-18, 2023 (SCI-Expanded)
- VII. **The impact of cooperative unmanned aerial vehicles communication under Nakagami-m fading channel**
 Karabulut M. A., Shah A. F. M. S.
 JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.38, sa.4, ss.2095-2106, 2023 (SCI-Expanded)
- VIII. **On the Vital Aspects and Characteristics of Cryptocurrency – A Survey**
 Shah A. F. M. S., Karabulut M. A., Akhter A. F. M. S., Mustari N., Pathan A. K., Rabie K., Shongwe T.
 IEEE ACCESS, cilt.11, sa.1, ss.1, 2023 (SCI-Expanded)
- IX. **Architecture of Emergency Communication Systems in Disasters through UAVs in 5G and Beyond**
 Shah A. F. M. S.
 DRONES, cilt.7, sa.1, ss.1-16, 2023 (SCI-Expanded)
- X. **A Novel MIMO-OFDM Based MAC Protocol for VANETs**
 Karabulut M. A., Shah A. S., İlhan H.
 IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, cilt.23, sa.11, ss.20255-20267, 2022 (SCI-Expanded)
- XI. **A Blockchain-Based Emergency Message Transmission Protocol for Cooperative VANET**
 Ahmed M., Moustafa N., Akhter A. F. M. S., Razzak I., Anwar A., Shah A. F. M. S., Zengin A.
 IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, cilt.23, sa.10, ss.19624-19633, 2022 (SCI-Expanded)
- XII. **Optimizing Vehicular Safety Message Communications by Adopting Transmission Probability With CW Size**
 Shahan Shah A. S., Karabulut M. A., İlhan H., Tureli U.
 IEEE ACCESS, cilt.10, ss.118849-118857, 2022 (SCI-Expanded)
- XIII. **Blockchain in Vehicular Ad hoc Networks: Applications, Challenges and Solutions**
 Zengin A., Shah A. S., Anwar A., Akhter A. F. M. S., Ahmed M., Pathan A. S. K.
 INTERNATIONAL JOURNAL OF SENSOR NETWORKS, cilt.1, ss.1-21, 2022 (SCI-Expanded)
- XIV. **An efficient end-to-end deep neural network for interstitial lung disease recognition and classification**
 Junayed M. S., Jeny A. A., Islam M. B., Ahmed I., Shah A. S.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.30, ss.1235-1250, 2022 (SCI-Expanded)
- XV. **ScarNet: Development and Validation of a Novel Deep CNN Model for Acne Scar Classification with a New Dataset**
 Junayed M. S., Islam M. B., Jeny A. A., Sadeghzadeh A., Biswas T., Shah A. S.
 IEEE Access, cilt.9, sa.1, ss.1-13, 2021 (SCI-Expanded)
- XVI. **A Secured Message Transmission Protocol for Vehicular Ad Hoc Networks**
 Akhter A. F. M. S., Shah A. S., Çavuşoğlu U., Zengin A.
 CMC-Computers Materials & Continua, cilt.68, sa.1, ss.229-246, 2021 (SCI-Expanded)
- XVII. **A Blockchain-Based Authentication Protocol for Cooperative Vehicular Ad Hoc Network**
 Akhter A. F. M. S., Ahmed M., Shah A. S., Anwar A., Kayes A. S. M., Zengin A.
 SENSORS, cilt.21, sa.4, 2021 (SCI-Expanded)
- XVIII. **Survey and Performance Evaluation of Multiple Access Schemes for Next-Generation Wireless**

Communication Systems

SHAH A. S., Qasim A. N., KARABULUT M. A., İLHAN H., Islam M. B.

IEEE ACCESS, cilt.9, ss.113428-113442, 2021 (SCI-Expanded)

XIX. A Secured Privacy-Preserving Multi-Level Blockchain Framework for Cluster Based VANET

Akhter A. F. M. S., Ahmed M., Shah A. S., Anwar A., Zengin A.

SUSTAINABILITY, cilt.13, sa.1, 2021 (SCI-Expanded)

XX. Performance modeling and analysis of the IEEE 802.11 MAC protocol for VANETS

Karabulut M. A., Shah A. S., İlhan H.

Journal Of The Faculty Of Engineering And Architecture Of Gazi University, cilt.35, sa.3, ss.1575-1587, 2020 (SCI-Expanded)

XXI. OEC-MAC: A Novel OFDMA Based Efficient Cooperative MAC Protocol for VANETS

KARABULUT M. A., Shah A. S., İLHAN H.

IEEE ACCESS, cilt.8, ss.94665-94677, 2020 (SCI-Expanded)

XXII. Performance Optimization of Cluster-Based MAC Protocol for VANETS

Shah A. S., KARABULUT M. A., İLHAN H., Tureli U.

IEEE ACCESS, cilt.8, ss.167731-167738, 2020 (SCI-Expanded)

XXIII. RECV-MAC: a novel reliable and efficient cooperative MAC protocol for VANETS

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IET COMMUNICATIONS, cilt.13, sa.16, ss.2541-2549, 2019 (SCI-Expanded)

XXIV. CB-MAC: a novel cluster-based MAC protocol for VANETS

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Diğer Dergilerde Yayınlanan Makaleler

I. A Review on Machine Learning in Intelligent Transportation Systems Applications

Azad A. K., Atkison T., Shah A. S.

OPEN TRANSPORTATION JOURNAL, cilt.18, ss.1-19, 2024 (Scopus)

II. 6G Ağlarında Bir Çalışma ve Gelecekteki Zorluklar: Havacılık Ağı, Yapay Zeka ve Blockchain

Karabulut M. A., Shah A. S.

Havacılık ve Uzay Teknolojileri Dergisi, cilt.17, sa.2, ss.122-138, 2024 (Hakemli Dergi)

III. A Study and Future Challenges in 6G Networks: Aeronautical Network, AI and Blockchain

Karabulut M. A., Shah A. S.

Journal of Aeronautics and Space Technologies (JAST), cilt.17, sa.2, ss.122-138, 2024 (Hakemli Dergi)

IV. MLMSign: Multi-lingual multi-modal illumination-invariant sign language recognition

Sadeghzadeh A., Shah A. F. M. S., Islam M. B.

Intelligent Systems with Applications, cilt.22, ss.1-22, 2024 (Scopus)

V. Enhancing Breast Cancer Classification using a Modified GoogLeNet Architecture with Attention Mechanism

Abdulaal A. H., Valizadeh M., Albaker B. M., Yassin R. A., Amirani M. C., Shah A. F. M. S.

Al-Iraqia Journal for Scientific Engineering Research (IJSER), cilt.3, sa.1, ss.47-63, 2024 (Hakemli Dergi)

VI. Developing and Implementing an IoT Managed by Electronic Devices for Covid Patient Monitoring via a Secured Communication System

ABDULAAL A. H., Shah A. F. M. S., Karabulut M. A.

Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.28, sa.1, ss.85-100, 2024 (Hakemli Dergi)

VII. Cooperative THz Communication for UAVs in 6G and Beyond

Mustari N., Karabulut M. A., Shah A. F. M. S., Türeli M. S. U.

Elsevier Green Energy and Intelligent Transportation, cilt.3, sa.1, ss.1-7, 2024 (Scopus)

VIII. Multiple Access Schemes for 6G Enabled NTN-Assisted IoT Technologies: Recent Developments, Prospects and Challenges

- Shah A. F. M. S., Karabulut M. A., Rabie K.
IEEE Internet of Things Magazine, cilt.7, sa.1, ss.48-54, 2024 (Hakemli Dergi)
- IX. **1G'den 6G'ye Hücresel Evrim Üzerine Kapsamlı Bir Derleme**
Mustari N., Karabulut M. A., Shah A. F. M. S., Türeli U.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.26, ss.1-23, 2023 (ESCI)
- X. **Performance Comparison of PEGASIS, HEED and LEACH Protocols in Wireless Sensor Networks**
AL - GBURI K. H. A., SHAH A. S.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, cilt.19, sa.1, ss.11-18, 2023 (Hakemli Dergi)
- XI. **Terahertz Communication with MIMO-OFDM in FANETs for 6G**
Mustari N., Karabulut M. A., SHAH A. F. M. S., Türeli U.
Open Transportation Journal, cilt.17, 2023 (Scopus)
- XII. **Reliability estimation for drone communications by using an MLP-based model**
Shah A. S., Karabulut M. A.
International Advanced Researches and Engineering Journal, cilt.6, sa.3, ss.1-7, 2022 (Hakemli Dergi)
- XIII. **NM-LEACH: A Novel Modified LEACH Protocol to Improve Performance in WSN**
Abdulaal A. H., SHAH A. S., Pathan A. K.
International Journal of Communication Networks and Information Security, cilt.14, sa.1, ss.1-10, 2022 (Scopus)
- XIV. **Optimization of drones communication by using meta-heuristic optimization algorithms**
Shah A. S., Karabulut M. A.
Sigma Journal of Engineering and Natural Sciences, cilt.40, sa.1, ss.108-117, 2022 (ESCI)
- XV. **A Survey on Cooperative Communication in Wireless Networks**
Shah A. S., Islam M. S.
International Journal of Intelligent Systems and Applications (IJISA), cilt.6, sa.7, ss.66-78, 2014 (Hakemli Dergi)
- XVI. **CSCM: A Contention Sensitive Routing Metric for Efficient Cooperative Communication in Multi-Hop Wireless Networks**
Shah A. F. M. S., Islam M. S.
International Journal on Internet and Distributed Computing Systems, cilt.2, sa.2, ss.157-163, 2012 (Hakemli Dergi)
- XVII. **High Performance Analysis of Frequency Reuse Schemes in Cellular Mobile Environment**
Haque A. F., Shah A. F. M. S., Hannan M. A., Jahan N., Ahmed J. U., Saleh M. A.
International Journal of Latest Trends in Computing, cilt.2, sa.1, ss.29-34, 2011 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **DF based cooperative UAVs communication with co-channel interference**
Karabulut M. A., Shah A. F. M. S.
International Research in Engineering Sciences, Assoc. Prof. Dr. Alper BİDECİ, Editör, Platanus Publishing, Ankara, ss.290-303, 2023
- II. **Industry 5.0: A Study on Supporting Technology Systems, Applications, and Future Directions**
Shah A. S., Karabulut M. A.
International Academic Research and Reviews in Engineering, Prof. Dr. Coşkun ÖZALP, Doç. Dr. Selahattin BARDAK, Doç. Dr. Ertaç HÜRDOĞAN, Editör, Serüven Publishing, Ankara, ss.153-168, 2023
- III. **Cooperative Communication In Wireless Networks**
Shah A. S., Islam M. S., Alam M. S.
LAMBERT Academic Publishing, Saarbrücken, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Modulation Classifier Based on Deep Learning for Beyond 5G Communications**
Kaya O., Karabulut M. A., Shah A. S., İlhan H.

IEEE 47th International Conference on Telecommunications and Signal Processing (TSP), Praha, Çek Cumhuriyeti, 10 - 12 Temmuz 2024, ss.336-339

II. Improvement of Emergency Communication Systems Using Drones in 5G and Beyond for Safety Applications

SHAH A. S., KARABULUT M. A., Rabie K.

IEEE Future Networks World Forum (FNWF), Baltimore, Amerika Birleşik Devletleri, 13 - 15 Kasım 2023, ss.1-6

III. Mission-Critical Internet of Things on the 6G Network: Services and Apps with Networking Architecture

Shah A. F. M. S., Karabulut M. A., Rabie K.

IEEE 98th Vehicular Technology Conference (VTC2023-Fall), Kowloon, Hong Kong, 10 - 13 Ekim 2023, ss.1-5

IV. Analyzing IEEE 802.11ax: The Standard for The Next Generation WLANs

Shah A. F. M. S., Karabulut M. A.

The 16th International Scientific Research Congress - Science and Engineering (UBAK), Ankara, Türkiye, 11 - 12 Mart 2023, ss.53-60

V. OFDMA Based UAVs Communication for Ensuring QoS

KARABULUT M. A., SHAH A. S., ISLAM M. B., Rana M. E.

International Conference on Advances and Applications of Artificial Intelligence & Machine Learning (ICAAAIML-2021), Hindistan, 30 Ekim 2021

VI. A Survey From 1G to 5G Including the Advent of 6G: Architectures, Multiple Access Techniques, and Emerging Technologies

Shah A. S.

IEEE 12th Annual Computing and Communication Workshop and Conference (CCWC), Nevada, Amerika Birleşik Devletleri, 26 - 29 Ocak 2022, ss.1117-1123

VII. Deep Convolutional Neural Networks-Based Sign Language Recognition System

Yemenoğlu İ. H., Shah A. S., İlhan H.

The 12th Annual IEEE Information Technology, Electronics and Mobile Communication Conference (IEEE IEMCON 2021), Vancouver, Kanada, 27 - 30 Ekim 2021, ss.1-4

VIII. Machine Vision-based Expert System for Automated Cucumber Diseases Recognition and Classification

Jeny A. A., Junayed M. S., Islam M. B., Imani H., Shah A. S.

IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Kocaeli, Türkiye, 25 - 27 Ağustos 2021, ss.1-6

IX. Improvement of performance with MIMO Enabled MAC Protocol for VANETs

Karabulut M. A., Shah A. S., İlhan H.

IEEE The Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Türkiye, 15 - 17 Ekim 2020, ss.1-4

X. Performance of the CR-MAC with Channel Fading and Capture Effect under Practical Traffic Scenarios for VANETs

Karabulut M. A., Shah A. S., İlhan H.

IEEE 10th Annual Ubiquitous Computing, Electronics Mobile Communication Conference (UEMCON), New York, Amerika Birleşik Devletleri, 10 - 12 Ekim 2019, ss.647-652

XI. Performance and Complexity Analysis of MAC Protocol for VANETs

Shah A. S., İLHAN H., TÜRELİ M. S. U.

2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, 17 - 19 Ekim 2019

XII. Designing and Analysis of IEEE 802.11 MAC for UAVs Ad Hoc Networks

Shah A. S., İlhan H., Türelı M. S. U.

IEEE 10th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON), New York, Amerika Birleşik Devletleri, 10 - 12 Ekim 2019, ss.934-939

XIII. Performance Optimization by Using Artificial Neural Network Algorithms in VANETs

Karabulut M. A., Shah A. S., İlhan H.

IEEE 42nd International Conference on Telecommunications and Signal Processing (TSP), Budapest, Macaristan, 1 - 03 Temmuz 2019, ss.633-636

- XIV. **Modeling and Performance Analysis of the IEEE 802.11 MAC for VANETs under Channel Fading and Capture Effect**
Shah A. S., İlhan H., Türeli M. S. U.
IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Sofija, Bulgaristan, 3 - 05 Temmuz 2019, ss.1-6
- XV. **CoMACAV: Cooperative MAC protocol for autonomous vehicles**
Karabulut M. A., Shah A. S., İlhan H.
IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sofija, Bulgaristan, 3 - 05 Temmuz 2019, ss.1-5
- XVI. **Modeling and Performance Analysis of the IEEE 802.11 MAC for VANETs under Capture Effect**
Shah A. S., İlhan H., Türeli M. S. U.
IEEE Wireless and Microwave Technology Conference (WAMICON), Florida, Amerika Birleşik Devletleri, 8 - 09 Nisan 2019, ss.1-5
- XVII. **CR-MAC: Cooperative relaying MAC protocol for VANETs**
Karabulut M. A., Shahan Shah A. S., İlhan H.
2019 Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science, EBBT 2019, İstanbul, Türkiye, 24 - 26 Nisan 2019
- XVIII. **Performance analysis of the IEEE 802.11p for different packet length in VANETs**
Toker O., Shah A. S., TÜRELİ M. S. U.
10th International Multi-Conference on Complexity, Informatics and Cybernetics, IMCIC 2019, Florida, Amerika Birleşik Devletleri, 12 - 15 Mart 2019, cilt.1, ss.171-176
- XIX. **Modeling and Performance Analysis of the IEEE 802.11p MAC for VANETs**
SHAH A. S., İLHAN H., TÜRELİ M. S. U.
42nd International Conference on Telecommunications and Signal Processing (TSP), Budapest, Macaristan, 1 - 03 Temmuz 2019, ss.393-396
- XX. **Performance Modeling and Analysis of the IEEE 802.11 EDCAF for VANETs**
Shah A. F. M. S., Karabulut M. A., İlhan H.
Intelligent Systems Conference (IntelliSys 2018), London, İngiltere, 6 - 07 Eylül 2018, ss.34-46
- XXI. **The Performance of the IEEE 802.11 DCF for Different Contention Window in VANETs**
Karabulut M. A., Shahan Shah A. S., İlhan H.
41st International Conference on Telecommunications and Signal Processing, TSP 2018, Athens, Yunanistan, 4 - 06 Temmuz 2018
- XXII. **The IEEE 802.11p Performance for Different Packet Length and Arrival Rate in VANETs**
Toker O., SHAH A. S., TÜRELİ M. S. U.
The 14th Advanced International Conference on Telecommunications (AICT), Barcelona, İspanya, 22 - 26 Temmuz 2018
- XXIII. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**
SHAH A. S., İLHAN H., TÜRELİ M. S. U.
Computing Conference 2018, İngiltere, 10 Temmuz 2018
- XXIV. **The effect of contention window size of the IEEE 802.11 dcf for VANETs VANET'ler için IEEE 802.11 DCF'in çekişme penceresi boyutu üzerindeki etkisi**
Karabulut M. A., Shah A. S., İlhan H.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Türkiye, 2 - 05 Mayıs 2018, ss.1-4
- XXV. **Performance modeling and analysis of the IEEE 802.11 DCF for VANETs**
Karabulut M. A., Shahan Shah A. S., İlhan H.
9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2017, Munich, Almanya, 6 - 08 Kasım 2017, ss.346-351
- XXVI. **On-Line Energy Management Strategy for Hybrid Electric Vehicle Based on AMPC**

Jun M., SHAH A. S., BAYSAL M., İLHAN H.

IEEE 10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 30 Kasım - 02 Aralık 2017

XXVII. Modeling and Performance Analysis of the IEEE 802.11P Enhanced Distributed Channel Access Function for Vehicular Network

SHAH A. S., Mustari N.

Future Technologies Conference (FTC), San-Francisco, Kostarika, 6 - 07 Aralık 2016, ss.173-178

XXVIII. A New Cooperative MAC Protocol for The Distributed Wireless Networks

Shah A. S., Alam M. S., Showkat S. A.

IEEE Region 10 Conference (Tencon), Macau, Çin, 1 - 04 Kasım 2015, ss.1-6

Desteklenen Projeler

SHAH A. S., KARABULUT M. A., Sultana S., Yükseköğretim Kurumları Destekli Proje, 5G ve Ötesinde İHAlar aracılığıyla doğal afetlerde acil durum haberleşme sistemleri, 2024 - Devam Ediyor

Shah A. S., TÜBİTAK Projesi, 6G için Yapay Zeka Kullanılarak MIMO ile Desteklenen Akıllı Yansıtıcı Yüzey Yardımlı Akışkan Anten Çoklu Erişim, 2024 - 2027

Shah A. S., TÜBİTAK Projesi, Yapay Zeka aracılığıyla 5G ve Sonrasındaki Güvenilir ve Verimli İHA İletişimi için Küme Tabanlı İşbirlikli Massive MIMO özellikli Hibrit MAC Protokolü Tasarımı, 2023 - 2026

Shah A. F. M. S., İlhan H., Yükseköğretim Kurumları Destekli Proje, Gerçek Zamanlı Derin Öğrenme Tabanlı Türk İşaret Dili Tanıma Sistemi, 2023 - 2025

İlhan H., TÜBİTAK Projesi, Hareketli küme tabanlı taşıtlara ilişkin geçici ağlar (VANET) için etkin ve güvenilir işbirlikli MAC protokolü, 2019 - 2020

İlhan H., Shah A. S., Yükseköğretim Kurumları Destekli Proje, Araçsal Ağlar için Yeni İşbirlikli MAC Protokolleri, 2018 - 2020

Bilimsel Dergilerdeki Faaliyetler

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Bilimsel Kuruluşlardaki Üyelikler / Görevler

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Yayın: 72
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