

Abd Ullah Khan

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About

Dr. Abd Ullah Khan is working as Assistant Professor in the NUST Balochistan Campus. Dr. Abd Ullah Khan has a PhD in Computer and Mobile Networks. Dr. Abd Ullah Khan has published 34 research articles & conference papers having a citation count of 715, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer and Mobile Networks	2017 - 2021
Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	
MS in Computer and Mobile Networks	2013 - 2016
COMSATS Institute of Information Technology , Pakistan	
BS in Computer and Mobile Networks	2008 - 2013
University of Science & Technology Bannu , Pakistan	

Experience

Assistant Professor	2024- Present
NUST Balochistan Campus	
Assistant Professor	2021 - 2021
NUST Balochistan Campus	

Research Articles

On Spectral Intelligence in 6G URLLC Networks	2025
Abd Ullah Khan Muhammad Tanveer Sami Ullah Hyundong Shin Xingwang Li	
IEEE Transactions on Vehicular Technology, Volume 74, Issue 7, Pages 11176-11193	
Impact Factor: 7.100 Quartile: 1	
DOI: 10.1109/TVT.2025.3548625	
Leveraging CapsNet for enhanced classification of 3D MRI images for Alzheimer's diagnosis	2025
Moiz Uddin Shaikh Muhammad Mohsin Raza Jafri Moid Sandhu Hyundong Shin Abd Ullah Khan Jahangir Rasheed	
Biomedical Signal Processing and Control, Volume: 103, Article Number: 107384	
Impact Factor: 4.9 Quartile: 1 Citations: 3	
DOI: https://doi.org/10.1016/j.bspc.2024.107384	
Deep Learning Based Multi pose Human Face Matching System	2024
Muhammad Sohail Ijaz Ali Shaukat Abd Ullah Khan Haram Fatima Mohsin Raza Jafri Muhammad Azfar Yaqub Anonio Liotta	
IEEE Access , Volume: 12, Page(s): 26046-26061	
Impact Factor: 3.9 Quartile: 2 Citations: 10	
DOI: 10.1109/ACCESS.2024.3366451	
LEAF-IIoT: Lightweight and Efficient Authentication Framework for the Industrial Internet of Things	2024
Muhammad Tanveer Abd Ullah Khan ABDELHAMIED A. ATEYA3 Musheer Ahmed Ahmed A. Abd El-Latif	
IEEE Access , Volume: 12, Page(s): 31771- 31787	
Impact Factor: 3.9 Quartile: 2 Citations: 14	
DOI: 10.1109/ACCESS.2024.3357090	
Towards Spectrum Efficiency and Reliability For Heterogeneous Users in CR-enabled Social Internet of Things	2023
Abd Ullah Khan Muhammad Tanveer Hyundong Shin Musheer Ahmed Ammar Muthanna Abdukodir A. Khakimov Fahad Alblehai Ahmed A. Abd El-Latif	
IEEE Access , Volume: 11, Pages: 145706-145722	
Impact Factor: 3.9 Quartile: 2 Citations: 7	

DOI: 10.1109/ACCESS.2023.3343575	
CMAF-IIoT: Chaotic map-based authentication framework for Industrial Internet of Things <i>Muhammad Tanveer Akhtar Badshah Abd Ullah Khan Hisham Alasmary Shehzad Ashraf Chaudhry</i> <i>Internet of Things</i> , Volume:23, Article Number: 100902 Impact Factor: 5.9 Quartile: 1 Citations: 47 DOI: 10.1016/j.iot.2023.100902	2023
Resource-Efficient Authenticated Data Sharing Mechanism for Smart Wearable Systems <i>Muhammad Tanveer Abd Ullah Khan Musheer Ahmed Tu N. Nguyen Ahmed A. Abd El-Latif</i> <i>IEEE Transactions on Network Science and Engineering</i> , Volume: 10, Issue: 5, Pages: 2525-2536, INSPEC Accession Number: 23745283 Impact Factor: 6.6 Quartile: 1 Citations: 19 DOI: 10.1109/TNSE.2022.3203927	2023
Towards A Secure and Computational Framework for Internet of Drones Enabled Aerial Computing <i>Muhammad Tanveer Abd Ullah Khan Musheer Ahmed Tu N. Nguyen Ahmed A. Abd El-Latif</i> <i>IEEE Transactions on Network Science and Engineering</i> , Volume: 10, Issue: 5, Page(s): 3058 - 3070 Impact Factor: 5.033 Quartile: 1 Citations: 20 DOI: 10.1109/TNSE.2022.3151843	2023
Radar sensor based machine learning approach for precise vehicle position estimation <i>Muhammad Sohail Abd Ullah Khan Moid Sandhu Ijaz Ali Shaukat Mohsin Raza Jafri Hyundong Shin</i> <i>Scientific Reports</i> , Volume 13, Issue 1, Article Number 13837 Impact Factor: 4.6 Quartile: 2 Citations: 14 DOI: https://doi.org/10.1038/s41598-023-40961-5	2023
RSU assisted reliable relay selection for emergency message routing in intermittently connected VANETs <i>Sami Ullah Ghulam Abbas Muhammad Waqas Ziaul Haq Abbas Abd Ullah Khan</i> <i>Wireless Networks</i> , Volume 29, Issue 3, Pages 1311-1332 Impact Factor: 3.0 Quartile: 2 Citations: 22 DOI: https://doi.org/10.1007/s11276-022-03159-7	2023
REAP-IIoT: Resource-Efficient Authentication Protocol for the Industrial Internet of Things <i>Muhammad Tanveer Ahmed Alkhayyat Abd Ullah Khan Neeraj Kumar Abdullah G Alharbi</i> <i>IEEE Internet of Things Journal</i> , Volume 9, Issue 23, Pages 24453-24465 Impact Factor: 10.600 Quartile: 1 Citations: 44 DOI: 10.1109/JIOT.2022.3188711	2022
Cooperative backscatter NOMA with imperfect SIC: Towards energy efficient sum rate maximization in sustainable 6G networks <i>Manzoor Ahmed Zain Ali Wali Ullah Khan Omer Waqar Muhammad Asif Abd Ullah Khan Muhammad Awais Javed Fahd N. Al-Wesabi</i> <i>Journal of King Saud University - Computer and Information Sciences</i> , Volume 34, Issue 10, Part A, Pages: 7940-7947 Impact Factor: 9.000 Quartile: 1 Citations: 11 DOI: https://doi.org/10.1016/j.jksuci.2022.07.011	2022
On Reliability in the Performance Analysis of Cognitive Radio Networks <i>Muhammad Tanveer Wali Ullah Khan Abd Ullah Khan</i> <i>Journal of King Saud University - Computer and Information Sciences</i> Impact Factor: 13.473 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.jksuci.2021.10.010	2022
Reliability Analysis of Cognitive Radio Networks with Reserved Spectrum for 6G-IoT <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Bilal Sayed Chhattan Shah Houbing Song</i> <i>IEEE Transactions on Network and Service Management</i> , Volume 19, Issue 3, Pages 2726-2737 Impact Factor: 4.758 Quartile: 2 Citations: 15 DOI: 10.1109/TNSM.2022.3168669	2022
Bidirectional CPW Fed Quad-Band DRA for WLAN/WiMAX Applications <i>Assad Iqbal Owais Owais Mohammed K. A. Kaabar Mustafa Shakir Inam Ullah Aftab Ahmad Khan Abd Ullah Khan Ateeq Ur Rehman</i> <i>Wireless Communications and Mobile Computing</i> , Volume 2022, Article ID 3763555, 9 pages Impact Factor: 2.146 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1155/2022/3763555	2022
FM CPR: Flexible and Multiparameter-based Channel Prediction and Ranking for CR Enabled Massive IoT	2022

<i>Ghulam Abbas Abd Ullah Khan Ziaul Haq Abbas Muhammad Bilal Kyung Sup Kwak Houbing Song</i> <i>IEEE Internet of Things Journal</i>, Volume 9, Issue 10, Pages 7151-7165 Impact Factor: 10.6 Quartile: 1 Citations: 12 DOI: 10.1109/JIOT.2021.3084677	
A Robust Access Control Protocol for the Smart Grid Systems <i>Alamgir Naushad Muhammad Tanveer Abd Ullah Khan Neeraj Kumar Shehzad Ashraf Chaudhry</i> <i>IEEE Internet of Things Journal</i>, Volume: 9, Issue: 9, Page(s): 6855-6865 Impact Factor: 9.471 Quartile: 1 Citations: 38 DOI: 10.1109/JIOT.2021.3113469	2022
REAS-TMIS: Resource-Efficient Authentication Scheme for Telecare Medical Information System <i>Muhammad Tanveer Abd Ullah Khan Ahmed Alkhayyat Shehzad Ashraf Chaudhry Yousuf Bin Zikriya Sung Won Kim</i> <i>IEEE Access</i>, Volume 10, Pages 23008-23021 Impact Factor: 3.367 Quartile: 2 Citations: 41 DOI: 10.1109/ACCESS.2022.3153069	2022
On Reliable Key Performance Indicators in Cognitive Radio Networks <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Wali Ullah Khan</i> <i>IEEE Networking Letters</i>, Volume 4, Issue 1 Impact Factor: 0 Citations: 6 DOI: 10.1109/LNET.2021.3129669	2022
RUAM-IoD: A Robust User Authentication Mechanism for the Internet of Drones <i>Muhammad Tanveer Ahmed Alkhayyat Alamgir Naushad Abd Ullah Khan Neeraj Kumar Abdullah G Alharbi</i> <i>IEEE Access</i>, Volume 10, Pages 19836-19851 Impact Factor: 3.476 Quartile: 2 Citations: 40 DOI: 10.1109/ACCESS.2022.3149376	2022
RAMP-IoD: A Robust Authenticated Key Management Protocol for the Internet of Drones <i>Muhammad Tanveer Abd Ullah Khan Neeraj Kumar Mohammad Mehedi Hassan</i> <i>IEEE Internet of Things Journal</i>, Volume: 9, Issue: 2, Page(s): 339-1353 Impact Factor: 10.6 Quartile: 1 Citations: 99 DOI: 10.1109/JIOT.2021.3084946	2022
Spectrum Utilization Efficiency in CRNs with Hybrid Spectrum Access and Channel Reservation: A Comprehensive Analysis Under Prioritized Traffic <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Wali Ullah Khan Muhammad Waqas</i> <i>Future Generation Computer Systems</i>, Volume 125, Pages 726-742 Impact Factor: 7.307 Quartile: 1 Citations: 14 DOI: https://doi.org/10.1016/j.future.2021.07.024	2021
Secure backscatter-added NOMA system design in 6G era <i>Wali Ullah Khan Zain Ali Abd Ullah Khan Guftar Ahmed Sardar Siddhu</i> <i>Internet Technology Letters</i>, Volume 4, Issue 6, Article Number e307 Impact Factor: 0 Citations: 7 DOI: https://doi.org/10.1002/itl2.307	2021
PASKE-IoD: Privacy-Protecting Authenticated Key Establishment for Internet of Drones <i>Muhammad Tanveer Abd Ullah Khan Habib Shah Shehzad Ashraf Chaudhry Alamgir Naushad</i> <i>IEEE Access</i>, Volume 9, Pages 145683-145698 Impact Factor: 3.367 Quartile: 2 Citations: 26 DOI: 10.1109/ACCESS.2021.3123142	2021
An Enhanced Framework for Heterogeneous Users in CR-enabled 6G Networks <i>Abd Ullah Khan Muhammad Tanveer Wali Ullah Khan Jamal Nebhen Xingwang Li Ming Zeng Octovia A. Dobre</i> <i>IEEE Wireless Communications Letters</i>, Volume 10, Issue 11, Pages 2504-2508 Impact Factor: 4.348 Quartile: 1 Citations: 15 DOI: 10.1109/LWC.2021.3105728	2021
ARAP-SG: Anonymous and Reliable Authentication Protocol for Smart Grids <i>Abd Ullah Khan Muhammad Tanveer Habib Shah Ahmed Alkhayyat Shehzad Ashraf Chaudhry Musheer Ahmed</i> <i>IEEE Access</i>, Volume 9, Pages 143366-143377 Impact Factor: 3.367 Quartile: 2 Citations: 33 DOI: 10.1109/ACCESS.2021.3121291	2021

Spectrum efficiency in CRNs using hybrid dynamic channel reservation and enhanced dynamic spectrum access <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Thar Baker Muhammad Waqas</i> <i>Ad Hoc Networks</i> , Volume 107, Article Number 102246 Impact Factor: 4.111 Quartile: 2 Citations: 21 DOI: https://doi.org/10.1016/j.adhoc.2020.102246	2020
Spectrum utilization efficiency in the cognitive radio enabled 5G-based IoT <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Waqas Ahmad Kamal Hassan</i> <i>Journal of Network and Computer Applications</i> , Volume 164, Article Number 102686 Impact Factor: 6.281 Quartile: 1 Citations: 31 DOI: https://doi.org/10.1016/j.jnca.2020.102686	2020
HBLP: A Hybrid Underlay-Interweave Mode CRN for the Future 5G-based Internet of Things <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Tanveer Sami Ullah Alamgir Naushad</i> <i>IEEE Access</i> , Volume 8, Pages 63403-63420 Impact Factor: 3.367 Quartile: 2 Citations: 42 DOI: 10.1109/ACCESS.2020.2981413	2020

Conference Proceedings

Service Completion Probability Enhancement and Fairness for SUs Using Hybrid Mode CRNs <i>Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Waqas Shanshan Tu Alamgir Naushad</i> <i>IEEE International Conference on Communications (ICC)</i> , res.country(101,) Citations: N/A DOI: 10.1109/ICC40277.2020.9149112	2020
An Analysis of the state-of-the-art in Energy Efficient Localization Techniques in Wireless Sensor Network <i>Abd Ullah Khan Muhammad Tanveer</i> <i>22nd International Multitopic Conference (INMIC)</i> , res.country(177,) Citations: N/A DOI: 10.1109/INMIC48123.2019.9022750	2019
Real time and efficient unicast routing protocols for vehicular ad hoc network: A survey and recommendations for efficiency enhancement <i>Abd Ullah Khan</i> <i>15th International Conference on Smart Cities: Improving Quality of Life Using ICT & IoT (HONET-ICT)</i> res.country(177,) Citations: N/A DOI: 10.1109/HONET.2018.8551330	2018
Optimum placement of gateway node on human body for real-time healthcare monitoring using WBAN <i>Abd Ullah Khan Atiqur Rahman Nadim Khan</i> <i>Sixth International Conference on Innovative Computing Technology (INTECH)</i> , res.country(101,) Citations: N/A DOI: 10.1109/INTECH.2016.7845042	2016

Editorial Activities

Reviewed Papers for Journals Impact Factor: 3.931	2021
Reviewed Papers for Journals Impact Factor: 2.314	2020