Abd Ullah Khan

Assistant Professor

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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 708, 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

CMAF-IIoT: Chaotic map-based authentication framework for Industrial Internet of Things

2023

Muhammad Tanveer Akhtar Badshah Abd Ullah Khan Hisham Alasmary Shehzad Ashraf Chaudhry

Internet of Things , Volume:23, Article Number: 100902

Impact Factor: 5.9 | **Quartile:** 1 | **Citations:** 47

Resource-Efficient Authenticated Data Sharing Mechanism for Smart Wearable Systems

2023

Muhammad Tanveer Abd Ullah Khan Musheer Ahmed Tu N. Nguyen Ahmed A. Abd El-Latif

IEEE Transactions on Network Science and Engineering, Volume: 10, Issue: 5, Pages: 2525-2536, INSPEC Accession Number: 23745283

Impact Factor: 6.6 | **Quartile:** 1 | **Citations:** 19

Towards A Secure and Computational Framework for Internet of Drones Enabled Aerial Computing

2023

Muhammad Tanveer Abd Ullah Khan Musheer Ahmed Tu N. Nguyen Ahmed A. Abd El-Latif

IEEE Transactions on Network Science and Engineering, Volume: 10, Issue: 5, Page(s): 3058 - 3070

Impact Factor: 5.033 | **Quartile:** 1 | **Citations:** 20

Radar sensor based machine learning approach for precise vehicle position estimation

2023

Muhammad Sohail Abd Ullah Khan Moid Sandhu Ijaz Ali Shaukat Mohsin Raza Jafri Hyundong Shin

Scientific Reports , Volume 13, Issue 1, Article Number 13837

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 14

RSU assisted reliable relay selection for emergency message routing in intermittently connected VANETs

2023

Sami Ullah Ghulam Abbas Muhammad Waqas Ziaul Haq Abbas Abd Ullah Khan

Wireless Networks , Volume 29, Issue 3, Pages 1311-1332

Impact Factor: 3.0 | **Quartile:** 2 | **Citations:** 21

REAP-IIoT: Resource-Efficient Authentication Protocol for the Industrial Internet of Things

2022

Muhammad Tanveer Ahmed Alkhayyat Abd Ullah Khan Neeraj Kumar Abdullah G Alharbi

IEEE Internet of Things Journal, Volume 9, Issue 23, Pages 24453-24465

Impact Factor: 10.600 | **Quartile:** 1 | **Citations:** 44

Cooperative backscatter NOMA with imperfect SIC: Towards energy efficient sum rate maximization in sustainable 6G networks

2022

Manzoor Ahmed Zain Ali Wali Ullah Khan Omer Waqar Muhammad Asif Abd Ullah Khan Muhammad Awais Javed Fahd N. Al-Wesabi

Journal of King Saud University - Computer and Information Sciences, Volume 34, Issue 10, Part A, Pages: 7940-7947

Impact Factor: 9.000 | **Quartile:** 1 | **Citations:** 11

On Reliability in the Performance Analysis of Cognitive Radio Networks

2022

Muhammad Tanveer Wali Ullah Khan Abd Ullah Khan

Journal of King Saud University - Computer and Information Sciences

Impact Factor: 13.473 | **Quartile:** 1 | **Citations:** 5

Reliability Analysis of Cognitive Radio Networks with Reserved Spectrum for 6G-IoT

2022

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Bilal Sayed Chhattan Shah Houbing Song

IEEE Transactions on Network and Service Management, Volume 19, Issue 3, Pages 2726-2737

Impact Factor: 4.758 | **Quartile:** 2 | **Citations:** 15

Bidirectional CPW Fed Quad-Band DRA for WLAN/WiMAX Applications

2022

Assad Iqbal Owais Owais Mohammed K. A. Kaabar Mustafa Shakir Inam Ullah Aftab Ahmad Khan Abd Ullah Khan Ateeq Ur Rehman

Wireless Communications and Mobile Computing, Volume 2022, Article ID 3763555, 9 pages

Impact Factor: 2.146 | **Quartile:** 3 | **Citations:** 2

FMCPR: Flexible and Multiparameter-based Channel Prediction and Ranking for CR Enabled Massive IoT

2022

Ghulam Abbas Abd Ullah Khan Ziaul Haq Abbas Muhammad Bilal Kyung Sup Kwak Houbing Song

IEEE Internet of Things Journal, Volume 9, Issue 10, Pages 7151-7165

Impact Factor: 10.6 | **Quartile:** 1 | **Citations:** 12

A Robust Access Control Protocol for the Smart Grid Systems
2022

Alamgir Naushad Muhammad Tanveer Abd Ullah Khan Neeraj Kumar Shehzad Ashraf Chaudhry

IEEE Internet of Things Journal, Volume: 9, Issue: 9, Page(s): 6855-6865

Impact Factor: 9.471 | **Quartile:** 1 | **Citations:** 38

REAS-TMIS: Resource-Efficient Authentication Scheme for Telecare Medical Information System
2022

Muhammad Tanveer Abd Ullah Khan Ahmed Alkhayyat Shehzad Ashraf Chaudhry Yousuf Bin Zikriya Sung Won Kim

IEEE Access, Volume 10, Pages 23008-23021

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 41

On Reliable Key Performance Indicators in Cognitive Radio Networks
2022

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Wali Ullah Khan

IEEE Networking Letters, Volume 4, Issue 1

Impact Factor: 0 | **Citations:** 6

RUAM-IoD: A Robust User Authentication Mechanism for the Internet of Drones
2022

Muhammad Tanveer Ahmed Alkhayyat Alamgir Naushad Abd Ullah Khan Neeraj Kumar Abdullah G Alharbi

IEEE Access, Volume 10, Pages 19836-19851

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 40

RAMP-IoD: A Robust Authenticated Key Management Protocol for the Internet of Drones
2022

Muhammad Tanveer Abd Ullah Khan Neeraj Kumar Mohammad Mehedi Hassan

IEEE Internet of Things Journal, Volume: 9, Issue: 2, Page(s): 339-1353

Impact Factor: 10.6 | **Quartile:** 1 | **Citations:** 99

Spectrum Utilization Efficiency in CRNs with Hybrid Spectrum Access and Channel Reservation: A Comprehensive Analysis Under Prioritized Traffic
2021

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Wali Ullah Khan Muhammad Waqas

Future Generation Computer Systems, Volume 125, Pages 726-742

Impact Factor: 7.307 | **Quartile:** 1 | **Citations:** 14

Secure backscatter-added NOMA system design in 6G era
2021

Wali Ullah Khan Zain Ali Abd Ullah Khan Guftar Ahmed Sardar Siddhu

Internet Technology Letters, Volume 4, Issue 6, Article Number e307

Impact Factor: 0 | **Citations:** 7

PASKE-IoD: Privacy-Protecting Authenticated Key Establishment for Internet of Drones
2021

Muhammad Tanveer Abd Ullah Khan Habib Shah Shehzad Ashraf Chaudhry Alamgir Naushad

IEEE Access, Volume 9, Pages 145683-145698

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 26

An Enhanced Framework for Heterogeneous Users in CR-enabled 6G Networks
2021

Abd Ullah Khan Muhammad Tanveer Wali Ullah Khan Jamal Nebhen Xingwang Li Ming Zeng Octovia A. Dobre

IEEE Wireless Communications Letters, Volume 10, Issue 11, Pages 2504-2508

Impact Factor: 4.348 | **Quartile:** 1 | **Citations:** 15

ARAP-SG: Anonymous and Reliable Authentication Protocol for Smart Grids
2021

Abd Ullah Khan Muhammad Tanveer Habib Shah Ahmed Alkhayyat Shehzad Ashraf Chaudhry Musheer Ahmed

IEEE Access, Volume 9, Pages 143366-143377

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 33

Spectrum efficiency in CRNs using hybrid dynamic channel reservation and enhanced dynamic spectrum access

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Thar Baker Muhammad Waqas

Ad Hoc Networks, 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

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Waqas Ahmad Kamal Hassan

Journal of Network and Computer Applications, 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

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Tanveer Sami Ullah Alamgir Naushad

IEEE Access, 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

Abd Ullah Khan Ghulam Abbas Ziaul Haq Abbas Muhammad Waqas Shanshan Tu Alamgir Naushad

IEEE International Conference on Communications (ICC), 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

Abd Ullah Khan Muhammad Tanveer

22nd International Multitopic Conference (INMIC), 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

Abd Ullah Khan

15th International Conference on Smart Cities: Improving Quality of Life Using ICT & IoT (HONET-ICT) 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

Abd Ullah Khan Atiqur Rahman Nadim Khan

Sixth International Conference on Innovative Computing Technology (INTECH), res.country(101,)

Citations: N/A
DOI: 10.1109/INTECH.2016.7845042

2016

Editorial Activities

2021

Reviewed Papers for Journals
Impact Factor: 3.931

2020

Reviewed Papers for Journals
Impact Factor: 2.314