

Abdul Wahid

Associate Professor

School of Electrical Engineering and Computer Science

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About

Dr. Abdul Wahid is working as Associate Professor in the School of Electrical Engineering and Computer Science. Dr. Abdul Wahid has a PhD in Computer Science/Computer Networks. Dr. Abdul Wahid has published 31 research articles & conference papers having a citation count of 1255, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science/Computer Networks Kyungpook National University , Korea	2010 - 2013
MS in CS The University of Agriculture, Peshawar , Pakistan	2002 - 2004

Experience

Associate Professor School of Electrical Engineering and Computer Science	2022- Present
Associate Professor School of Electrical Engineering and Computer Science	2022 - 2022
Assistant Professor School of Electrical Engineering and Computer Science	2019 - 2019
Assistant Professor School of Electrical Engineering and Computer Science	2019 - 2022
Assistant Professor COMSATS University Islamabad , Islamabad	2014 - 2019
Assistant Professor Kardan University, Kabul, Afghanistan , Kabul, Afghanistan	2013 - 2014
Research Associate Wireless and Mobile Internet lab, Kyungpook National University, Korea , Engineering Building 4 404-2, Kyungpook National University Daegu 41566, Rep of Korea	2009 - 2013
Lecturer IIT Kohat University of Science and Technology , Kohat KPK	2005 - 2008

Awards

KNU honors award Ph.D. Scholarship	2010
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Research Projects

National Projects

Up-Gradation of Phase-1 Established Huawei ICT Academy	2020
Funding Agency: HEC	
Amount: PKR N/A	
Status: Completed	
upgradation of existing Huawei ICT academy lab	2020
Funding Agency: HEC/Huawei	
Amount: PKR 11,000,000.00	
Status: Completed	

International Projects

Research Articles

Medical image segmentation using deep semantic-based methods: A review of techniques, applications and emerging trends	2023
<i>Imran Qureshi Junhua Yan Qaisar Abbas Kashif Shaheed Awais Bin Riaz Abdul Wahid Muhammad Wasim Jan Khan Piotr Szczuko</i>	
<i>Information Fusion</i> , Volume 90, Pages 316-352	
Impact Factor: 17.564 Quartile: 1 Citations: 179	
DOI: https://doi.org/10.1016/j.inffus.2022.09.031	
Multi-branch sustainable convolutional neural network for disease classification	2023
<i>Maria Naz Munam Ali Shah Hasan Ali Khattak Abdul Wahid Muhammad Nabeel Asghar Hafiz Tayyab Rauf Muhammad Attique Khan Zoobia Ameer</i>	
<i>International Journal of Imaging Systems and Technology</i> , Pages:13	
Impact Factor: 2.177 Quartile: 3	
DOI: 10.1002/ima.22884	
An Effective Scholarly Search by Combining Inverted Indices and Structured Search with Citation Networks Analysis	2021
<i>Shah Khalid Shengli Wu Alam, Aftab Irfan Ullah Abdul Wahid</i>	
<i>IEEE access</i> , Volume 9, Pages 120210-120226	
Impact Factor: 3.476 Quartile: 2 Citations: 20	
DOI: DOI: 10.1109/ACCESS.2021.3107939	
A Novel Amended Dynamic Round Robin Scheduling Algorithm for Timeshared Systems 1	2020
<i>Uferah Shafi Munam Shah Abdul Wahid Kamran Abbasi Qaisar Javaid Muhammad Asghar Muhammad Haider</i>	
<i>International Arab Journal of Information Technology</i> , Volume 17, No. 1, Pages 90-98	
Impact Factor: 0.669 Quartile: 4 Citations: 27	
DOI: 10.34028/iajit/17/1/11	
Congestion avoidance in vehicular networks: A contemporary survey	2019
<i>Balawal Shabir Muazzam Ali Khan Anis-ur-Rahman Asad Waqar Malik Abdul Wahid</i>	
<i>IEEE Access</i> , Volume 7, Pages 173196-173215	
Impact Factor: 3.745 Quartile: 1 Citations: 28	
DOI: DOI: 10.1109/ACCESS.2019.2955142	
CCN: A novel energy efficient greedy routing protocol for green computing	2019
<i>Ayesha Siddiqa Faisal Fayyaz Qureshi Munam Ali Shah Rahat Iqbal Abdul Wahid Victor Chang</i>	
<i>Concurrency Computation Practice and Experience</i> , Volume 31, Issue 23, Article Number e4461	
Impact Factor: 1.447 Quartile: 3 Citations: 11	
DOI: 10.1002/cpe.4461	
Emotion Classification and Crowd Source Sensing; A Lexicon Based Approach	2019
<i>RASHID KAMAL MUNAM ALI SHAH CARSTEN MAPLE MOHSIN MASOOD ABDUL WAHID AMJAD MEHMOOD</i>	
<i>IEEE Access</i> , Volume 7	
Impact Factor: 3.745 Quartile: 1 Citations: 23	
DOI: 10.1109/ACCESS.2019.2892624	
Holistic approach for coupling privacy with safety in VANETs	2019
<i>Abdul Wahid Humera Yasmeeen Munam Ali Shah Masoom Alam Sayed Chhattan Shah</i>	
<i>Computer Networks</i> , Volume 148, Pages 214-230	
Impact Factor: 3.111 Quartile: 2 Citations: 25	

DOI: https://doi.org/10.1016/j.comnet.2018.08.017	
Big data analytics for mitigating broadcast storm in Vehicular Content Centric networks <i>Abdul Wahid Munam Ali Shah Faisal Fayyaz Qureshi Hafsa Maryam Rahat Iqbal Victor Chang</i> <i>Future Generation Computer Systems</i> , Volume 86, Pages 1301-1320 Impact Factor: 5.768 Quartile: 1 Citations: 23 DOI: https://doi.org/10.1016/j.future.2017.10.005	2018
ESOT: a new privacy model for preserving location privacy in Internet of Things <i>Ikram Ullah Munam Ali Shah Abdul Wahid Amjad Mehmood Houbing Song</i> <i>Telecommunication Systems</i> , Volume 67, Pages 553–575 Impact Factor: 1.707 Quartile: 3 Citations: 39 DOI: https://doi.org/10.1007/s11235-017-0352-x	2018
SAMADroid: A Novel 3-Level Hybrid Malware Detection Model for Android Operating System <i>Saba Arshad Munam A. Shah Abdul Wahid Amjad Mehmood Houbing Song Hongnian Yu</i> <i>IEEE Access</i> , Volume 6, Pages 4321-4339 Impact Factor: 4.098 Quartile: 1 Citations: 143 DOI: 10.1109/ACCESS.2018.2792941	2018
Fog Computing Over IoT: A Secure Deployment and Formal Verification <i>Samman Zahra Masoom Alam Qaisar Javaid Abdul Wahid Nadeem Javaid Saif Ur Rehman Malik Muhammad Khurram Khan</i> <i>IEEE Access</i> , Volume 5, Pages 27132-27144 Impact Factor: 3.557 Quartile: 1 Citations: 39 DOI: 10.1109/ACCESS.2017.2766180	2017
Big Data Analytics Using Neural Networks for Earlier Cancer Detection <i>Adnan Ahmed Abdul Wahid Munam Ali Shah Munam Ali Shah Muhammad Kamran Abbasi Muhammad Nabeel Asghar</i> <i>Journal of Medical Imaging and Health Informatics</i> , Volume 7, Issue 6, Page 1469-1474 Impact Factor: 0.549 Quartile: 4 Citations: 2 DOI: https://doi.org/10.1166/jmihi.2017.2189	2017
Green IoT: An Investigation on Energy Saving Practices for 2020 and Beyond <i>Rushan Arshad Saman Zahoor Munam Ali Shah Abdul Wahid Hongnian Yu</i> <i>IEEE Access</i> , Volume 5, Pages 15667-15681 Impact Factor: 3.557 Quartile: 1 Citations: 299 DOI: 10.1109/ACCESS.2017.2686092	2017
Secure Login Using Multi-Tier Authentication Schemes in Fog Computing <i>Awais Manzoor Abdul Wahid Munam Ali Shah Adnan Akhunzada Faisal Fayyaz Qureshi</i> <i>EAI Endorsed Transactions on Internet of Things</i> , Volume 3, Issue 11, Article Number e5 Impact Factor: - DOI: http://dx.doi.org/10.4108/eai.26-3-2018.154382	2017
Pressure sensor based reliable (PSBR) routing protocol for underwater acoustic sensor networks <i>Moeenuddin Tariq Muhammad Shafie Abd Latiff Muhammad Ayaz Yahaya Coulibaly Abdul Wahid</i> <i>Ad-Hoc and Sensor Wireless Networks</i> , Volume 32, Issue 3-4, Pages 175-196 Impact Factor: 1.034 Quartile: 4 Citations: 2 DOI: 10.1007/978-3-540-79549-0_11	2016
A Reliable and Energy-Efficient Routing Protocol for Underwater Sensor Networks <i>Abdul Wahid Sungwon Lee Dongkyun Kim</i> <i>International Journal of Communication Systems</i> , Volume 27(10), Pages 2048–2062 Impact Factor: N/A Citations: 79 DOI: 10.1002/dac.2455	2014
MRP: A Localization - free Multi- layered Routing Protocol for Underwater Wireless Sensor Networks <i>Abdul Wahid Sungwon Lee Dongkyun Kim Kyung-Shik Lim</i> <i>Wireless Personal Communications</i> , Volume 77, Issue 4, Pages 2997–3012 Impact Factor: 0.653 Quartile: 4 Citations: 49 DOI: 10.1007/s11277-014-1690-6	2014
An energy efficient localization-free routing protocol for underwater wireless sensor networks <i>Dongkyun Kim Abdul Wahid</i> <i>International Journal of Distributed Sensor Networks</i> , Volume 2012, Article ID 307246, 11 pages Impact Factor: 0.727 Quartile: 3 Citations: 155	2012

DOI: <https://doi.org/10.1155/2012/307246>

Analyzing Routing Protocols for Underwater Wireless Sensor Networks

2010

Abdul Wahid Kim Dongkyun

International Journal of Communication Networks and Information Security, Volume 2, No. 3, Pages 253-261

Impact Factor: - | Citations: 25

DOI: <https://doi.org/10.1016/j.comnet.2018.08.017>

Conference Proceedings

BERT-Embedding and Citation Network Analysis based Query Expansion Technique for Scholarly Search

2021

Shah Khalid Shah Khusro Aftab Alam Abdul Wahid

The sixth smart city applications international conference, res.country(224,)

Citations: N/A

DOI: 10.48550/arXiv.2301.11069

Sentiment Analysis on COVID Tweets: An Experimental Analysis on the Impact of Count Vectorizer and TF-IDF on Sentiment Predictions using Deep Learning Models

2021

Ghulam Musa Raza Zainab Saeed Butt Seemab Latif Abdul Wahid

2021 International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)

Citations: 21

DOI: 10.1109/ICoDT252288.2021.9441508

An FCR Approach Towards Detection of Outliers for Medical Data

2020

Sidra Iqbal Hafiz Bahloul Ajmeri Sumaira Bibi Abdul Wahid

IEEE HONET 2020, res.country(177,)

Citations: N/A

DOI: 10.1109/HONET50430.2020.9322843

LAOD: Link Aware on Demand Routing in Flying Ad-Hoc Networks

2019

Abdul Waheed Abdul Wahid Munam Ali Shah

IEEE International Conference on Communications, res.country(48,)

Citations: N/A

DOI: 10.1109/ICCW.2019.8757019

Unified Methodology for Cloud Storage Providers' APIs and Performance Analysis for Effectiveness of the Approach

2019

Hira Zahid Muazzam A. Khan Muhammad Usman Akram Abdul Wahid Asad W. Malik

17th International Conference E-Society 2019, res.country(165,)

Citations: N/A

DOI: 10.33965/es2019_201904L024

- Artificial Intelligence: Evolution, Benefits, and Challenges** 2022
Fazeela Mughal Abdul Wahid Muazzam A. Khan Khattak
In: *Book on Intelligent Cyber-Physical Systems for Autonomous Transportation*, 1st Edition, Chapter 4, Pages 59-69
Citations: 9
DOI: https://doi.org/10.1007/978-3-030-92054-8_4
- Transportation Systems** 2022
Sidra Iqbal Uswah Ahmad Khan Abdul Wahid
In: *Book on Intelligent Cyber-Physical Systems for Autonomous Transportation*, 1st Edition, Chapter 1, Page 3-19
Citations: 3
DOI: https://doi.org/10.1007/978-3-030-92054-8_1
- Use Case for Underwater Transportation** 2022
Muhammad Waqas Abdul Wahid Muazzam A. Khan Khattak
In: *Book on Intelligent Cyber-Physical Systems for Autonomous Transportation*, Edition 1, Chapter 10, Pages 167-177
Citations: N/A
DOI: https://doi.org/10.1007/978-3-030-92054-8_10
- Exploring IoT Applications for Disaster Management: Identifying Key Factors and Proposing Future Directions** 2019
Umara Zafar Munam Ali Shah Abdul Wahid Adnan Akhunzada Shahan Arif
In: *Book on Recent Trends and Advances in Wireless and IoT-enabled Networks*, Pages 291-309
Citations: 16
DOI: https://doi.org/10.1007/978-3-319-99966-1_27
- Scheduling Algorithms for High-Performance Computing: An Application Perspective of Fog Computing** 2019
Sidra Razzaq Abdul Wahid Faheem Khan Noor ul Amin Munam Ali Shah Adnan Akhunzada Ihsan Ali
In: *Book on Recent Trends and Advances in Wireless and IoT-enabled Networks*, Chapter 10, Pages 107-117
Citations: 13
DOI: https://doi.org/10.1007/978-3-319-99966-1_10
- Big Data in Healthcare: A Survey** 2018
Muhammad Mashab Farooqi Munam Ali Shah Abdul Wahid Adnan Akhunzada Faheem Khan Noor ul Amin Ihsan Ali
In: *Book on Applications of Intelligent Technologies in Healthcare*, Pages 143-152
Citations: 25
DOI: [10.1007/978-3-319-96139-2_14](https://doi.org/10.1007/978-3-319-96139-2_14)

Editorial Activities

Reviewed Papers for Journals Impact Factor: 2.838	2022
Reviewed Papers for Journals Impact Factor: 2.7	2022
Reviewed Papers for Journals Impact Factor: 2.3	2022
Reviewed Papers for Journals Impact Factor: 2.6	2021
Reviewed Papers for Journals Impact Factor: 2.6	2021
Reviewed Papers for Journals Impact Factor: 3.004	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 3.367	2021