

Imran Rashid

Professor

Military College of Signals

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About

Dr. Imran Rashid is working as Professor in the Military College of Signals. Dr. Imran Rashid has a PhD in Wireless Communication. Dr. Imran Rashid has published 55 research articles & conference papers having a citation count of 782, carried out 0 projects and filed 1 intellectual property.

Qualifications

PhD in Wireless Communication University of Manchester , England	2007 - 2011
MS in Optical Communication Technical University of Denmark , Denmark	2001 - 2004
Post Grad Diploma in Telecommunication NUST, Islamabad , Pakistan	1996 - 1999

Experience

Professor Military College of Signals	2024- Present
Defence Faculty Military College of Signals	2011 - 2024

Awards

COAS Gold Medal Got first position in BE Telecommunication (TE-32)	1999
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Research Articles

Unveiling the Dynamic Landscape of Digital Forensics: The Endless Pursuit <i>Shahzaib Tahir Imran Rashid Muhammad Sharjeel Zareen Babar Aslam Fawad Khan</i> <i>Computers</i> , Volume 13(12), Article Number 333 Impact Factor: 2.600 Quartile: 2 DOI: https://doi.org/10.3390/computers13120333	2024
AdamW+: Machine Learning Framework to Detect Domain Generation Algorithms for Malware <i>Muhammad Awais Javed Imran Rashid Shahzaib Tahir Saqib Saeed Abdullah M. Almuhaideb Khalid Alissa</i> <i>IEEE Access</i> , Volume 12, Pages 79138-79150 Impact Factor: 3.400 Quartile: 2 Citations: 5 DOI: http://dx.doi.org/10.1109/ACCESS.2024.3407546	2024
A 4-Port Broadband High-Isolated MIMO Antenna for Wireless Communication <i>Ayyaz Ali Maryam Rasool Muhammad Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazzam Maqsood Farooq Ahmed Bhatti</i> <i>Progress in Electromagnetic Research C</i> , Volume 142, Pages 119-130 Impact Factor: N/A Citations: 4 DOI: http://dx.doi.org/10.2528/PIERC24012905	2024
A compact bent microstrip-based wideband millimeter wave MIMO antenna for 5G applications <i>Ayyaz Ali Maryam Rasool Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazam Maqsood Farooq Ahmed Bhatti</i> <i>International Journal of Microwave and Wireless Technologies</i> , Pages 1-16 Impact Factor: 1.4 Quartile: 4 Citations: 3 DOI: https://doi.org/10.1017/S175907872300106X	2023

Pilots Optimization and Surface Area Effects on Channel Estimation in RIS Aided MIMO System <i>Muhammad Haroon Aurangzeb Faisal Akram Imran Rashid Attiq Ahmad</i> <i>Radioengineering</i> , Volume 32, No. 2, Pages 187-196 Impact Factor: 1.105 Quartile: 4 Citations: 1 DOI: 10.13164/re.2023.0187	2023
Privacy and security federated reference architecture for Internet of Things <i>Musab Kamal Imran Rashid Waseem Iqbal Haroon Sohaib Khan Ijaz Ahmad</i> <i>Frontiers of Information Technology & Electronic Engineering</i> , Volume 24, Pages 481-508 Impact Factor: 2.545 Quartile: 2 Citations: 10 DOI: 10.1631/FITEE.2200368	2023
DGA Malware Deep Learning Detection and its Optimization with Novel Activation Function <i>Imran Rashid Muhammad Awais Javed Adnan Rashdi</i> <i>Journal of Computing and Biomedical Informatics</i> , Volume 4(02), Pages 285-297 Impact Factor: N/A DOI: https://doi.org/10.56979/402/2023	2023
Secure resource management in beyond 5G heterogeneous networks with decoupled access <i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Shahid Mumtaz Adnan Ahmad Khan Ahmad Naeem Akhtar</i> <i>Ad Hoc Networks</i> , Volume 125, Article Number 102737 Impact Factor: 4.111 Quartile: 2 Citations: 20 DOI: 10.1016/j.adhoc.2021.102737	2022
Textual analysis of traitor-based dataset through semi supervised machine learning <i>Asif Masood Haider Abbas Faisal Nawaz Janjua Imran Rashid Malik Muhammad Zaki Murtaza</i> <i>Future Generation Computer Systems</i> , Volume 125, Pages 652-660 Impact Factor: 7.307 Quartile: 1 Citations: 17 DOI: 10.1016/j.future.2021.06.036	2021
Joint DL/UL Decouple User Association in Microwave and mmWave Enabled Beyond 5G Heterogeneous Networks <i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Ahmad Naeem Akhtar Faisal Akram</i> <i>IEEE Access</i> , Volume 9, Pages 134703-134715 Impact Factor: 3.367 Quartile: 2 Citations: 12 DOI: 10.1109/ACCESS.2021.3116939	2021
Resource allocation for energy efficiency optimization in uplink–downlink decoupled 5G heterogeneous networks <i>Humayun Zubair Khan Mudassar Ali Imran Rashid Abdul Ghafoor Muhammad Naeem Adnan Ahmed Khan Adil Masood Saddiqui</i> <i>International Journal of Communication System</i> , Pages 1-23, Article Number e4925 Impact Factor: 1.882 Quartile: 3 Citations: 16 DOI: https://doi.org/10.1002/dac.4925	2021
ALAM: Anonymous Lightweight Authentication Mechanism for SDN Enabled Smart Homes <i>Haider Abbas Bilal Rauf Yawar Abbas Imran Rashid Mian Muhammad Waseem Iqbal Pan Deng Jiafu Wan</i> <i>IEEE Internet of Things Journal</i> , Volume 8, Issue 12, Pages 9622-9633 Impact Factor: 10.238 Quartile: 1 Citations: 65 DOI: 10.1109/JIOT.2020.3024058	2021
A multi-slotted 2-element quadband MIMO antenna for 4G and 5G applications <i>Maryam Rasool Farooq Ahmed Bhatti Imran Rashid Abdul Rauf Adil Masood Bilal Ijaz</i> <i>Journal of Electromagnetic Waves and Applications</i> , Pages 1-16 Impact Factor: 1.438 Quartile: 4 Citations: 10 DOI: https://doi.org/10.1080/09205071.2021.1934565	2021
A new secure authentication based distance bounding protocol <i>Ahmed Raheeq Sultan Imran Rashid Fawad Khan Shahzaib Tahir Maruf Pasha Aiman Sultan</i> <i>PeerJ Computer Science</i> , Volume 7, Article Number e517 Impact Factor: 2.411 Quartile: 2 Citations: 3 DOI: https://doi.org/10.7717/peerj-cs.517	2021
Optimality of Linear MIMO Detection for 5G Systems via 1-Opt Local Search <i>Kiran Khurshid Adnan Ahmed Khan Muhammad Haroon Siddiqui Muhammad Usman Hadi Imran Rashid Muhammad Imran</i> <i>Journal of Electrical Engineering and Technology</i> , Pages 1-10	2021

Impact Factor: 1.528 Quartile: 4 Citations: 10 DOI: https://doi.org/10.1007/s42835-020-00625-0	
Efficient hybrid Neumann series based MMSE assisted detection for 5G and beyond massive MIMO systems <i>Kiran Khurshid Adnan Ahmed Khan Muhammad Imran Imran Rashid Muhammad Haroon Siddiqui</i> <i>IET Communications</i> , Volume 14, Issue 22, Pages 4142-4151 Impact Factor: 1.542 Quartile: 3 Citations: 6 DOI: 10.1049/iet-com.2020.0670	2020
Coherence Optimized Channel Estimation for Mm-Wave Massive MIMO <i>Faisal Akram Dr Imran Rashid Dr Abdul Ghafoor Dr Adil Masood Siddiqui</i> <i>Radioengineering</i> , Volume:29, Issue:4, Page:625-635 Impact Factor: 0.951 Quartile: 4 Citations: 1 DOI: 10.13164/re.2020.0625	2020
Dual-Band B-Shaped Antenna Array for Satellite Applications <i>Muhammad Mateen Hasan Adnan Ahmed Khan Imran Rashid Muzhair Hussain Farooq Ahmed Bhatti</i> <i>International Journal of Microwave and Wireless Technologies</i> , Pages 1-8 Impact Factor: 1.064 Quartile: 4 DOI: https://doi.org/10.1017/S1759078720001439 [Opens in a new window]	2020
Joint admission control, cell association, power allocation and throughput maximization in decoupled 5G heterogeneous networks <i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Adil Masood Siddiqui Muhammad Imran Shahid Mumtaz</i> <i>Telecommunication Systems</i> , Pages 1-14 Impact Factor: 2.314 Quartile: 3 Citations: 16 DOI: https://doi.org/10.1007/s11235-020-00707-4	2020
Two element MIMO antenna with frequency reconfigurable characteristics utilizing RF MEMS for 5G applications <i>Muhammad Mateen Hassan Zeeshan Zahid Adnan Ahmed Khan Imran Rashid Abdul Rauf Moazam Maqsood Farooq Ahmed Bhatti</i> <i>Journal of Electromagnetic Waves and Applications</i> , Volume 34, Issue 9, Pages 1210-1224 Impact Factor: 1.335 Quartile: 4 Citations: 35 DOI: 10.1080/09205071.2020.1765883	2020
SS7 Vulnerabilities - A Survey and Implementation of Machine Learning vs Rule Based Filtering for Detection of SS7 Network Attacks <i>Imran Rashid Hammad Afzal Mian Muhammad Waseem Iqbal Yawar Abbas Bangash Haider Abbas</i> <i>IEEE Communications Surveys & Tutorials</i> , Volume 22, Issue 2, Pages 1337-1371 Impact Factor: 25.249 Quartile: 1 Citations: 177 DOI: 10.1109/COMST.2020.2971757	2020
Resource allocation in 5G heterogeneous networks with downlink-uplink decoupled access <i>Humayun Zubair Khan Imran Rashid Muhammad Imran Mudassar Ali Muhammad Naeem</i> <i>Transactions on Emerging Telecommunications Technologies</i> , Pages 1-18 (e3831) Impact Factor: 1.594 Quartile: 3 Citations: 29 DOI: https://doi.org/10.1002/ett.3831	2019
Optimal Massive MIMO Detection for 5G Communication Systems via Hybrid n-Bit Heuristic Assisted-VBLAST <i>Muhammad Haroon Siddiqui Kiran Khurshid Imran Rashid Adnan Ahmed Khan Khubaib Ahmed</i> <i>IEEE Access</i> , Volume 7, Pages 73646-173656 Impact Factor: 3.745 Quartile: 1 Citations: 11 DOI: 10.1109/ACCESS.2019.2949247	2019
A novel UWB MIMO antenna array with band notch characteristics using parasitic decoupler <i>Muhammad Mateen Hassan Maryam Rasool Muhammad Umair Asghar Zeeshan Zahid Adnan Ahmed Khan Imran Rashid Abdul Rauf Farooq Ahmed Bhatti</i> <i>Journal of Electromagnetic Waves and Applications</i> , Pages 1-12 Impact Factor: 1.373 Quartile: 3 Citations: 50 DOI: 10.1080/09205071.2019.1682063	2019
MARC: A Novel Framework for Detecting MITM Attacks in eHealthcare BLE Systems <i>Imran Rashid Haider Abbas Mujahid Mohsin Yawar Abbas Bangash Muhammad Yaseen Waseem Iqbal Kashif Saleem</i> <i>Journal of Medical Systems</i> , Volume 43, Issue 11, Article Number 324	2019

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Fast Convergence Algorithms for Coherence Optimization of Rank-1 Grassmannian Codebooks <i>Faisal Akram Imran Rashid Abdul Ghafoor adil masood siddique</i> <i>Radioengineering</i> , Volume 29, Issue 2, Pages 456-463 Impact Factor: 1.076 Quartile: 4 Citations: 1 DOI: 10.13164/re.2019.0456	2019
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Secure sensors data acquisition and communication protection in eHealthcare: Review on the state of the art <i>Muhammad Yaseen Mehmet A. Orgun Kashif Saleem Dr. Haider Abbas Jalal Al- Muhtadi Waseem Iqbal Imran Rashid Abdelouhid Derhab</i> <i>Telematics and Informatics</i> , Volume:35, Issue:4, Page:702-726 Impact Factor: 5.273 Quartile: 1 Citations: 19 DOI: 10.1016/j.tele.2017.08.005	2018
Privacy Preservation in e-Healthcare Environments: State of the Art and Future Directions <i>Muneeb Ahmed Sahi Haider Abbas Kashif Saleem Xiaodong Yang Abdelouahid Derhab Mehmet A. Orgun Waseem Iqbal Imran Rashid Asif Yaseen</i> <i>IEEE Access</i> , Volume:6, Page:464-478 Impact Factor: 4.098 Quartile: 1 Citations: 131 DOI: 10.1109/ACCESS.2017.2767561	2018
Security and management framework for an organization operating in cloud environment <i>Nasir Raza Imran Rashid Fazeel Ali Awan</i> <i>Annals of Telecommunications</i> , Volume 72, Issue 5-6, Pages 325-333 Impact Factor: 1.168 Quartile: 4 Citations: 7 DOI: 10.1007/s12243-017-0567-6	2017
Network Coding in Cognitive Radio Networks: A Comprehensive Survey <i>Ayesha Naeem Mubashir Husain Rehmani Yasir Saleem Imran Rashid Noel Crespi</i> <i>IEEE Communications Surveys and Tutorials</i> , Volume: 19, Issue: 3, Pages1945-1973 Impact Factor: 20.230 Quartile: 1 Citations: 73 DOI: 10.1109/COMST.2017.2661861	2017
Efficient Relay Selection Scheme Based On Fuzzy Logic for Cooperative Communication <i>Imran Rashid Shakeel Ahmad Waqas Nisar Khan Imran Touqir</i> <i>INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS</i> , NULL Impact Factor: 0 DOI: 10.14569/IJACSA.2016.071138	2016
A Q Learning and Fuzzy Q Learning Approach for Optimization of Interference Constellations in Femto–Macro Cellular Architecture in Downlink <i>Muhammad Waseem Akhtar Rizwan Ghaffar Imran Rashid</i> <i>Wireless Personal Communications</i> , Volume:88, Issue:4, Page:797-817 Impact Factor: 0.951 Quartile: 4 Citations: 4 DOI: 10.1007/s11277-016-3206-z	2016
Selection of VoIP CODECs for Different Networks based on QoS Analysis <i>Imran Rashid Adnan Ahmed Khan Malik Ahsan Ali</i> <i>International Journal of Computer Applications</i> , Volume 84, No 5, Pages 38-44 Impact Factor: - DOI: 10.5120/14575-2702	2013
Novel miniaturized koch pentagonal frac-tal antenna for multiband wireless applications	2013

Conference Proceedings

Securing the Internet of Things: Exploring MQTT Vulnerabilities and Threats in Pakistan's IoT Landscape <i>Ammar Hassan Junaid Aslam Shahzaib Tahir Imran Rashid</i> 2024 International Conference on Engineering and Computing, ICECT 2024, res.country(177,) Citations: N/A DOI: 10.1109/ICECT61618.2024.10581385	2024
Sparsity Adaptive RIS in MIMO Wireless Communication System <i>Muhammad Haroon Aurangzeb Faisal Akram Imran Rashid Attiq Ahmed</i> 2023 20th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,) Citations: N/A DOI: 10.1109/IBCAST59916.2023.10712934	2023
Sparse RIS in Multi User MIMO Wireless System <i>Muhammad Haroon Aurangzeb Faisal Akram Imran Rashid Attiq Ahmed</i> 2022 16th International Conference on Open Source Systems and Technologies, ICOSST 2022 - Proceedings, res.country(177,) Citations: N/A DOI: 10.1109/ICOSST57195.2022.10016816	2022
A Framework for Human Error, Weaknesses, Threats & Mitigation Measures in an Airgapped Network <i>Imran Rashid Haider Abbas Rizwan Ahmed Shaikh Muhammad Sohaib Khan Farrukh Naeem Muhammad Haroon Siddiqi</i> 2nd International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,) Citations: N/A DOI: https://doi.org/10.1109/ICoDT255437.2022.9787441	2022
Energy Efficiency Optimization for Hybrid NOMA based Beyond 5G Heterogeneous Networks <i>Umar Ghafoor Mudassar Ali Humayun Zubair Khan Adil Masood Siddiqui1 Muhammad Naeem Imran Rashid</i> 2021 IEEE 94th Vehicular Technology Conference (VTC2021-Fall), res.country(233,) Citations: N/A DOI: 10.1109/VTC2021-Fall52928.2021.9625334	2021
Vulnerability Assessment of Pakistan Government Websites <i>Imama Ghazanfar Haider Abbas Waseem Iqbal Imran Rashid</i> 2021 International Conference on Communication Technologies (ComTech), res.country(177,) Citations: N/A DOI: DOI: 10.1109/ComTech52583.2021.9616890	2021
Joint Secure User Association, Power and Subcarrier Allocation in Decoupled 5G Heterogeneous Network <i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Shahid Mumtaz</i> ICC 2021 - IEEE International Conference on Communications, res.country(38,) Citations: N/A DOI: 10.1109/ICC42927.2021.9500451	2021
Cell Association for Energy Efficient Resource Allocation in Decoupled 5G Heterogeneous Networks <i>Humayun Zubair Khan Mudassar Ali Imran Rashid Abdul Ghafoor Muhammad Naeem</i> IEEE 91st Vehicular Technology Conference (VTC2020-Spring), res.country(20,) Citations: N/A DOI: 10.1109/VTC2020-Spring48590.2020.9129442	2020
Resource Allocation and Throughput Maximization in Decoupled 5G <i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Adil Masood Siddiqui Shahid Mumtaz Muhammad Imran Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Adil Masood Siddiqui Shahid Mumtaz Muhammad Imran Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Adil Masood Siddiqui Shahid Mumtaz Muhammad Imran</i> IEEE Wireless Communications and Networking Conference (WCNC), res.country(121,) Citations: N/A DOI: 10.1109/WCNC45663.2020.9120853	2020

- Wideband compressed sensing based frequency hopping radio network identification** 2019
Faisal Akram Tauqeer Ahmed Dr Abdul Ghafoor Dr Adil Masood Siddiqui Imran Rashid
22nd International Multitopic Conference, INMIC 2019, res.country(177,)
Citations: N/A
DOI: 10.1109/INMIC48123.2019.9022686
- Ease or Privacy? A Comprehensive Analysis of Android Embedded Adware** 2018
Anum Javaid Imran Rashid Haider Abbas Mariagrazia Fugini
IEEE 27th International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE) held from 27-29 June 2018 in France
 res.country(75,)
Citations: N/A
DOI: 10.1109/WETICE.2018.00056
- Decentralized Authentication for Secure Cloud Data Sharing** 2018
Mian Muhammad Waseem Iqbal Subas Khan Bilal Rauf Imran Rashid
27th International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE-2018), res.country(75,)
Citations: N/A
DOI: 10.1109/WETICE.2018.00025
- New technique: Surface modeling of dual polarized RADARs antenna structure for cross polarization reduction** 2017
Adnan Ahmed Khan Zar Khitab Farooq Ahmed Bhatti Adil Masood Siddiqui Imran Rashid
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DOI: 10.1109/GCCE.2017.8229242
- Analysis of block coherence based on deterministic matrices** 2017
Saba Rabab Dr Imran Rashid Dr Faisal Akram Aisha Zulfiqar
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DOI: 10.1109/COMTECH.2017.8065760
- Analysis of phase transition using deterministic matrix in Compressed Sensing** 2017
Aisha Zulfiqar Dr Imran Rashid Dr Faisal Akram Saba Rabab
2017 14th International Bhurban Conference on Applied Sciences and Technology, IBCAST 2017, res.country(177,)
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- Modified random pairing for throughput optimization in VMIMO Femtocell environment** 2015
Imtiaz Ahmed Jamil Sajid Bashir Humayun Zubair Khan Imran Rashid
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Citations: N/A
DOI: 10.1109/ICOSST.2015.7396405
- Proportional fairness grouped pairing scheduling for VMIMO uplink in femtocell systems** 2014
Danish Ilyas Imran Rashid
Proceedings - IEEE Military Communications Conference MILCOM, res.country(233,)
Citations: N/A
DOI: 10.1109/MILCOM.2014.259
- Enhancing throughput viz-a-viz fairness in uplink diversity based VMIMO femtocell environment** 2013
Humayun Zubair Khan Imran Rashid
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Book Chapters

- ICMetric-Based Secure Communication** 2016
Shahzaib Tahir Imran Rashid
 In: *Book on Innovative Solutions for Access Control Management*, Chapter 10, Pages 263-293
Citations: N/A
DOI: 10.4018/978-1-5225-0448-1.ch010

Intellectual Property

Copyrights

WOSCoT- Windows operating System Security Compliance Toolkit	2020
Status: Filed	

Patents

Industrial Designs

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