

Kiran Khurshid

Assistant Professor

College of Electrical & Mechanical Engineering

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About

Dr. Kiran Khurshid is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Kiran Khurshid has a PhD in Signal Processing. Dr. Kiran Khurshid has published 27 research articles & conference papers having a citation count of 192, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Signal Processing Military College of Signals , Pakistan	2015 - 2023
MS in Wireless Communication Military College of Signals , Pakistan	2007 - 2010
BE in Information and Communication Systems Engineering NUST, Islamabad , Pakistan	2003 - 2007

Experience

Assistant Professor College of Electrical & Mechanical Engineering	2024- Present
Lecturer National University of Modern Languages (NUML) , NUML, Lalkurti	2021 - 2024
Assistant Professor Army Public College of Management and Sciences , APCOMS, Lalkurti	2015 - 2021
Lecturer Army Public College of Management and Sciences , APCOMS, Lalkurti	2010 - 2014

Research Articles

Securing AIoT Surveillance: Techniques, Challenges, and Solutions Kiran Khurshid Khawar Khurshid Muhammad Usman Hadi Mohammad Al Bataineh Nasir Saeed IEEE Open Journal of the Communications Society, Accepted Impact Factor: 6.1 Quartile: 1 DOI: https://doi.org/10.1109/OJCOMS.2025.3593311	2025
JamBIT: RL-based framework for disrupting adversarial information in battlefields Muhammad Salman Taehong Lee Ali Hassan Muhammad Yasin Kiran Khurshid Youngtae Noh Ad Hoc Networks , Volume 167, Article Number 103697 Impact Factor: 4.400 Quartile: 1 DOI: https://doi.org/10.1016/j.adhoc.2024.103697	2025
Optimizing Signal Detection in MIMO Systems: AI vs Approximate and Linear Detectors M. Y. Doha Kiran Khurshid M.I. Ashraf Muhammad Usman Hadi IEEE Communications Letters , Volume: 28, Issue: 10, Page(s): 2387-2391 Impact Factor: 3.7 Quartile: 2 Citations: 4 DOI: 10.1109/LCOMM.2024.3451655	2024
AIDTECT2: A Novel AI-Driven Signal Detection Approach for beyond 5G and 6G Wireless Networks Bibin Babu Muhammad Yunis Doha Muhammad Ikram Ashraf Kiran Khurshid Muhammad Usman Hadi Electronics , Volume 13(19), Article Number 3821 Impact Factor: 2.600 Quartile: 2 Citations: 3 DOI: https://doi.org/10.3390/electronics13193821	2024

Performance analysis and comparison of approximate detectors with linear detectors in massive MIMO systems under imperfect channel state information <i>Kiran Khurshid Muhammad Imran Abdul Wakeel</i> <i>Transaction on Emerging Telecommunications Technologies</i> , Pages 1-18 Impact Factor: 3.6 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1002/ett.4826	2023
An In-Depth Survey Demystifying the Internet of Things (IoT) in the Construction Industry: Unfolding New Dimensions <i>Kiran Khurshid Aamar Danish Muhammad Usama Salim Muhammed Bayram Togay Ozbakkaloglu Mohammad Ali Mosaberpanah</i> <i>Sustainability</i> , Volume 15, Issue 2, Article Number 1275 Impact Factor: 3.300 Quartile: 2 Citations: 44 DOI: https://doi.org/10.3390/su15021275	2023
Microstructural characterization, driving mechanisms, and improvement strategies for interlayer bond strength of additive-manufactured cementitious composites: A review <i>Aamar Danish Kiran Khurshid Mohammad Ali Mosaberpanah Togay Ozbakkaloglu Muhammad Usama Salim</i> <i>Case studies in construction materials</i> , Volume 17, Article Number e01217 Impact Factor: 6.200 Quartile: 1 Citations: 12 DOI: https://doi.org/10.1016/j.cscm.2022.e01217	2022
A multilevel deep feature selection framework for diabetic retinopathy image classification <i>Farrukh Zia Isma Irum Nadia Nawaz Qadri Yunyoung Nam Kiran Khurshid Muhammad Ali Imran Ashraf Muhammad Attique Khan</i> <i>CMC-Computers, Materials and Continua</i> , Volume 70, Issue 2, Pages 2261-2276 Impact Factor: 3.100 Quartile: 3 Citations: 17 DOI: https://doi.org/10.32604/cmc.2022.017820	2022
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 Impact Factor: 1.528 Quartile: 4 Citations: 10 DOI: https://doi.org/10.1007/s42835-020-00625-0	2021
Neural network dpd for aggrandizing sm-vcsel-ssmf-based radio over fiber link performance <i>Muhammad Usman Hadi Muhammad Awais Mohsin Raza Kiran Khurshid Hyun Jung</i> <i>Photonics</i> , Volume 8, Issue 1, Article Number 19 Impact Factor: 2.536 Quartile: 3 Citations: 31 DOI: https://doi.org/10.3390/photonics8010019	2021
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
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
Big data assisted CRAN enabled 5G SON architecture <i>Kiran Khurshid Adnan Ahmed Khan Muhammad Haroon Siddiqui Imran Rashid Muhammad Usman Hadi</i> <i>Journal of ICT Research and Applications</i> , Volume:13, No.2, Pages:93-106 Impact Factor: 0.6 Quartile: 4 DOI: https://doi.org/10.5614/itbj.ict.res.appl.2019.13.2.1	2019
Application of Heuristic (1-Opt Local Search) and Metaheuristic (Ant Colony Optimization) Algorithms for Symbol Detection in MIMO Systems <i>Adnan Ahmed Khan Kiran Khurshid Safwat Irteza S. I. Shah</i> <i>Communications and Network</i> , VolL3, No.4, Article ID:8468, Pages: 200-209 Impact Factor: N/A DOI: 10.4236/cn.2011.34023	2011

- Efficient Hybrid Channel Estimation for Massive MIMO in IoT Applications** 2025
Kiran Khurshid Nasir Saeed Nazia Bibi Muhammad Usman Hadi
2025 International Conference on Emerging Technologies in Electronics, Computing, and Communication (ICETECC), res.country(177,)
Citations: N/A
DOI: 10.1109/ICETECC65365.2025.11070289
- Power Spectral Density Based Weight Initialization Technique For Feed-Forward Neural Network** 2025
Saliha Ejaz Kiran Khurshid
2025 International Conference on Emerging Technologies in Electronics, Computing, and Communication (ICETECC), res.country(177,)
Citations: N/A
DOI: 10.1109/ICETECC65365.2025.11070241
- The Impact of Artificial Sounds on Female Mosquitoes of Two Species** 2025
Muhammad Taimoor Azam Muhammad Zakria Mehmood Faizan Ejaz Kiran Khurshid Muhammad Tariq Muhammad Usman Hadi
2025 International Conference on Emerging Technologies in Electronics, Computing, and Communication (ICETECC), res.country(177,)
Citations: N/A
DOI: 10.1109/ICETECC65365.2025.11070232
- AI-Enhanced Pilot-Assisted Channel Estimation and Signal Detection for 6G with Zero CSI** 2025
Bibin Babu Muhammad Yunis Daha Kiran Khurshid Muhammad Usman Hadi
2025 2nd International Conference on Microwave, Antennas and Circuits, ICMAC 2025, res.country(177,)
Citations: N/A
DOI: 10.1109/ICMAC64768.2025.11003265
- Enhancing Code Search through Query Expansion: A Fusion of LSTM with GloVe and BERT Model (CSQE): A Fusion of LSTM with GloVe and BERT Model (CSQE)** 2024
Nazia Bibi Nomica Choudhry Kiran Khurshid Imran Rao
58th Asia Pacific Advanced Network Meeting (APAN58), res.country(177,)
Citations: N/A
DOI: Nil
- Pre-BPF based Sigma Delta Radio over Fiber for 5G Sub-6 GHz Fronthauls** 2021
Muhammad Usman Hadi Kiran Khurshid Abdul Basit
3rd International Conference on Communication Technologies, ComTech 2021, res.country(177,)
Citations: N/A
DOI: 10.1109/ComTech52583.2021.9616760
- MIMO Enabled MultiBand 5G NR FiberWireless using Sigma Delta over FiberTechnology** 2021
Muhammad Usman Hadi Abdul Basit Kiran Khurshid
18th International Bhurban Conference on Applied Sciences and Technologies, IBCAST 2021, res.country(177,)
Citations: N/A
DOI: 10.1109/IBCAST51254.2021.9393263
- Nonlinearities Mitigation in Radio over Fiber Links for beyond 5G C-RAN Applications using Support Vector Machine Approach** 2020
Muhammad Usman Hadi Abdul Basit Kiran Khurshid
23rd IEEE International Multi-Topic Conference, INMIC 2020, res.country(177,)
Citations: N/A
DOI: 10.1109/INMIC50486.2020.9318206
- Artificial Intelligence based 6G Intelligent IOT: Unfolding an Analytical Concept for Future Hybrid Communication Systems** 2020
Adnan Ahmed Khan Kiran Khurshid Imran Rashid Muhammad Haroon Siddiqu
2020 The 12th International Conference on Future Computer and Communications, res.country(48,)
Citations: N/A
DOI: DOI: 10.18178/wcse.2020.02.021
- EMG data acquisition and flight control of quadcopter on different EMG signals** 2019
Sagheer Khan Kiran Khurshid Muhammad Zeeshan
2019 14th Iberian Conference on Information Systems and Technologies (CISTI), res.country(183,)
Citations: N/A
DOI: 10.23919/CISTI.2019.8760908

Comparison survey of 4G competitors (OFDMA, MC CDMA, UWB, IDMA) <i>Kiran Khurshid Imtiaz Ahmed Khok</i> <i>3rd International Conference on Aerospace Science and Engineering, res.country(177,)</i> Citations: N/A DOI: 10.1109/ICASE.2013.6785555	2013
Application of ant colony optimization based algorithm in MIMO detection <i>Adnan Ahmed Khan Safwat Irteza Kiran Khurshid</i> <i>IEEE Congress on Evolutionary Computing, res.country(68,)</i> Citations: 17 DOI: https://doi.org/10.1109/CEC.2010.5586173	2010

Editorial Activities

MEASUREMENT Reviewed Papers for Journals Impact Factor: 5.6	2025
Measurement Reviewed Papers for Journals Impact Factor: 5.6	2025
Journal of Information and Intelligence Reviewed Papers for Journals Impact Factor: N/A	2025
Results in Engineering Reviewed Papers for Journals Impact Factor: 6.0	2025
Discover Computing Reviewed Papers for Journals Impact Factor: 1.7	2024
Trends in computer science and information technology Reviewed Papers for Journals Impact Factor: 0	2024
IEEE Communications Letters Reviewed Papers for Journals Impact Factor: 3.7	2024
Reviewed Papers for Journals Impact Factor: 0	2024
Reviewed Papers for Journals Impact Factor: 0	2023