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   2015 - 2023
  Military College of Signals , Pakistan

MS in Wireless Communication   2007 - 2010
  Military College of Signals , Pakistan

BE in Information and Communication Systems Engineering   2003 - 2007
  NUST, Islamabad , Pakistan

Experience

Assistant Professor   2024- Present
  College of Electrical & Mechanical Engineering

Lecturer   2021 - 2024
  National University of Modern Languages (NUML) , NUML, Lalkurti

Assistant Professor   2015 - 2021
  Army Public College of Management and Sciences , APCOMS, Lalkurti

Lecturer   2010 - 2014
  Army Public College of Management and Sciences , APCOMS, Lalkurti

Research Articles

Securing AIoT Surveillance: Techniques, Challenges, and Solutions   2025
  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

JamBIT: RL-based framework for disrupting adversarial information in battlefields   2025
  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

Optimizing Signal Detection in MIMO Systems: AI vs Approximate and Linear Detectors   2024
  M. Y. Daha 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

AIDETECT2: A Novel AI-Driven Signal Detection Approach for beyond 5G and 6G Wireless Networks   2024
  Bibin Babu Muhammad Yunis Daha 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

Performance analysis and comparison of approximate detectors with linear detectors in massive MIMO systems under imperfect channel state information

2023

Kiran Khurshid Muhammad Imran Abdul Wakeel

Transaction on Emerging Telecommunications Technologies, Pages 1-18

Impact Factor: 3.6 | **Quartile:** 3 | **Citations:** 1
DOI: https://doi.org/10.1002/ett.4826

An In-Depth Survey Demystifying the Internet of Things (IoT) in the Construction Industry: Unfolding New Dimensions

2023

Kiran Khurshid Aamar Danish Muhammad Usama Salim Muhammed Bayram Togay Ozbakkaloglu Mohammad Ali Mosaberpanah

Sustainability, Volume 15, Issue 2, Article Number 1275

Impact Factor: 3.300 | **Quartile:** 2 | **Citations:** 44
DOI: https://doi.org/10.3390/su15021275

Microstructural characterization, driving mechanisms, and improvement strategies for interlayer bond strength of additive-manufactured cementitious composites: A review

2022

Aamar Danish Kiran Khurshid Mohammad Ali Mosaberpanah Togay Ozbakkaloglu Muhammad Usama Salim

Case studies in construction materials, Volume 17, Article Number e01217

Impact Factor: 6.200 | **Quartile:** 1 | **Citations:** 12
DOI: https://doi.org/10.1016/j.cscm.2022.e01217

A multilevel deep feature selection framework for diabetic retinopathy image classification

2022

Farrukh Zia Isma Irum Nadia Nawaz Qadri Yunyoung Nam Kiran Khurshid Muhammad Ali Imran Ashraf Muhammad Attique Khan

CMC-Computers, Materials and Continua, Volume 70, Issue 2, Pages 2261-2276

Impact Factor: 3.100 | **Quartile:** 3 | **Citations:** 17
DOI: https://doi.org/10.32604/cmc.2022.017820

Optimality of Linear MIMO Detection for 5G Systems via 1-Opt Local Search

2021

Kiran Khurshid Adnan Ahmed Khan Muhammad Haroon Siddiqui Muhammad Usman Hadi Imran Rashid Muhammad Imran

Journal of Electrical Engineering and Technology, Pages 1-10

Impact Factor: 1.528 | **Quartile:** 4 | **Citations:** 10
DOI: https://doi.org/10.1007/s42835-020-00625-0

Neural network dpd for aggrandizing sm-vcsel-ssmf-based radio over fiber link performance

2021

Muhammad Usman Hadi Muhammad Awais Mohsin Raza Kiran Khurshid Hyun Jung

Photonics, Volume 8, Issue 1, Article Number 19

Impact Factor: 2.536 | **Quartile:** 3 | **Citations:** 31
DOI: https://doi.org/10.3390/photonics8010019

Efficient hybrid Neumann series based MMSE assisted detection for 5G and beyond massive MIMO systems

2020

Kiran Khurshid Adnan Ahmed Khan Muhammad Imran Imran Rashid Muhammad Haroon Siddiqui

IET Communications, Volume 14, Issue 22, Pages 4142-4151

Impact Factor: 1.542 | **Quartile:** 3 | **Citations:** 6
DOI: 10.1049/iet-com.2020.0670

Optimal Massive MIMO Detection for 5G Communication Systems via Hybrid n-Bit Heuristic Assisted-VBLAST

2019

Muhammad Haroon Siddiqui Kiran Khurshid Imran Rashid Adnan Ahmed Khan Khubaib Ahmed

IEEE Access, Volume 7, Pages 73646-173656

Impact Factor: 3.745 | **Quartile:** 1 | **Citations:** 11
DOI: 10.1109/ACCESS.2019.2949247

Big data assisted CRAN enabled 5G SON architecture

2019

Kiran Khurshid Adnan Ahmed Khan Muhammad Haroon Siddiqui Imran Rashid Muhammad Usman Hadi

Journal of ICT Research and Applications, 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

Application of Heuristic (1-Opt Local Search) and Metaheuristic (Ant Colony Optimization) Algorithms for Symbol Detection in MIMO Systems

2011

Adnan Ahmed Khan Kiran Khurshid Safwat Irteza S. I. Shah

Communications and Network, VolL3, No.4, Article ID:8468, Pages: 200-209

Impact Factor: N/A
DOI: 10.4236/cn.2011.34023

Conference Proceedings

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)   2013

Kiran Khurshid Imtiaz Ahmed Khok

3rd International Conference on Aerospace Science and Engineering, res.country(177,)

Citations: N/A

DOI: 10.1109/ICASE.2013.6785555

Application of ant colony optimization based algorithm in MIMO detection   2010

Adnan Ahmed Khan Safwat Irteza Kiran Khurshid

IEEE Congress on Evolutionary Computing, res.country(68,)

Citations: 17

DOI: https://doi.org/10.1109/CEC.2010.5586173

Editorial Activities

MEASUREMENT   2025

Reviewed Papers for Journals

Impact Factor: 5.6

Measurement   2025

Reviewed Papers for Journals

Impact Factor: 5.6

Journal of Information and Intelligence   2025

Reviewed Papers for Journals

Impact Factor: N/A

Results in Engineering   2025

Reviewed Papers for Journals

Impact Factor: 6.0

Discover Computing   2024

Reviewed Papers for Journals

Impact Factor: 1.7

Trends in computer science and information technology   2024

Reviewed Papers for Journals

Impact Factor: 0

IEEE Communications Letters   2024

Reviewed Papers for Journals

Impact Factor: 3.7

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Reviewed Papers for Journals

Impact Factor: 0

                                                                                       2023

Reviewed Papers for Journals

Impact Factor: 0