

Khawar Khurshid

Associate Professor
School of Electrical Engineering and Computer Science

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About

Dr. Khawar Khurshid is working as Associate Professor in the School of Electrical Engineering and Computer Science. Dr. Khawar Khurshid has a PhD in Biomedical Imaging. Dr. Khawar Khurshid has published 23 research articles & conference papers having a citation count of 506, carried out 9 projects and filed 0 intellectual property.

Qualifications

PhD in Biomedical Imaging Michigan State University , United States	2006 - 2010
BE in Computer Systems Engineering NUST, Islamabad , Pakistan	1999 - 2003

Experience

Associate Professor School of Electrical Engineering and Computer Science	2023- Present
Associate Professor School of Electrical Engineering and Computer Science	2019 - 2023
Assistant Professor School of Electrical Engineering and Computer Science	2015 - 2019
Assistant Professor School of Electrical Engineering and Computer Science	2010 - 2015

Research Projects

National Projects

Image Registration using Image of Forward and Backward Facing Camera	2019
Funding Agency: NESCOM	
Amount: PKR 250,000.00	
Status: Completed	
Non-Linear Optimization of Camera Parameters	2019
Funding Agency: NESCOM	
Amount: PKR 100,000.00	
Status: Completed	
Implementation of Image Processing Core using Vivado and Vivado HLS	2019
Funding Agency: NESCOM	
Amount: PKR 150,000.00	
Status: Completed	
Nonlinear optimization of IR camera parameters	2019
Funding Agency: NESCOM	
Amount: PKR 100,000.00	
Status: Approved_inprocess	
Implementation of Image processing core using vivado HLS	2019
Funding Agency: NESCOM	
Amount: PKR 150,000.00	
Status: Approved_inprocess	
Image Registration using images of downward facing camera	2019
Funding Agency: Nescom	
Amount: PKR 250,000.00	
Status: Approved_inprocess	
Object Detection and Categorization for Blind Using Deep Neural Learning	2017
Funding Agency: IGNITE	
Amount: PKR 7,898,000.00	
Status: Completed	
Detecting Covert Links in Instant Messaging Networks Using Flow level Log Data	2012
Funding Agency: IGNITE	
Amount: PKR 5,361,000.00	
Status: Completed	

International Projects

Industry Projects

National Projects

Real Time Implementation of 360 Degree Cylindrical Panoramic on DSP Kit using gVMDM642 using a Camera	2016
Client: NESCOM	
Amount: PKR 250,000.00	
Status: Completed	

International Projects

Research Articles

ILS Validity Analysis for Secondary Grade through Factor Analysis and Internal Consistency Reliability	2022
Munazza Ahmed Mirza Khawar Khurshid Zawar Shah Imdad Ullah Adel Binbusayyis Mehregan Mahdavi	
Sustainability , Volume 14, Issue 13, Article Number 7950	
Impact Factor: 3.889 Quartile: 2	
DOI: https://doi.org/10.3390/su14137950	
Protocols for Transferring Bulk Data over Internet: Current Solutions and Future Challenges	2021
Khawar Khurshid Imdad Ullah Zawar Shah Najm Hassan Tariq Ahamed Ahanger	

IEEE Access , Volume 9, Pages 95228 - 95249	
Impact Factor: 3.367 Quartile: 2 Citations: 1	
DOI: https://doi.org/10.1109/ACCESS.2021.3094656	
Auto-MeDiSine: an auto-tunable medical decision support engine using an automated class outlier detection method and AutoMLP	2020
Maham Jahangir Hammad Afzal Mehreen Ahmed Khawar Khurshid Muhammad Faisal Amjad Raheel Nawaz Haider Abbas	
Neural Computing and Applications , Volume:32, Issue:7, Page:2621-2633	
Impact Factor: 5.606 Quartile: 1 Citations: 11	
DOI: 10.1007/s00521-019-04137-5	
No-reference image quality assessment using bag-of-features with feature selection	2020
Imran Fareed Nizami Muhammad Majid Mobeen ur Rehman Syed Muhammad Anwar Ammara Nasim Khawar Khurshid	
Multimedia Tools and Applications , Volume 79, Pages 7811–7836	
Impact Factor: 2.757 Quartile: 2 Citations: 17	
DOI: https://doi.org/10.1007/s11042-019-08465-5	
Segmentation-based image defogging using modified dark channel prior	2020
Aneela Sabir Ahmad Salman Aneela Sabir Khawar Khurshid	
EURASIP Journal on Image and Video Processing, Article number: 6, Pages 1-14	
Impact Factor: 1.789 Quartile: 3 Citations: 24	
DOI: https://doi.org/10.1186/s13640-020-0493-9	
Optimisation of transmission map for improved image defogging	2019
Ahmad Salman Zahid Tufail Khawar Khurshid Khurram Khurshid	
IET Image Processing , Volume 13, No. 7, Pages 1161-1169	
Impact Factor: 1.995 Quartile: 3 Citations: 15	
DOI: 10.1049/iet-ipr.2018.6485	
Auto-MeDiSine: An Auto-Tunable Medical Decision Support Engine using an automated Class Outlier Detection method and AutoMLP	2019
Maham Jahangir Hammad Afzal Mehreen Ahmed Raheel Nawaz Haider Abbas Khawar Khurshid Muhammad Faisal Amjad	
Neural Computing and Applications , Pages 1–13	
Impact Factor: 4.774 Quartile: 1 Citations: 11	
DOI: https://doi.org/10.1007/s00521-019-04137-5	
Automatic fish detection in underwater videos by a deep neural network-based hybrid motion learning system	2019
Faisal Shafait Ahmad Salman Shoaib Ahmad Siddiqui Ajmal Mian Mark R. Shortis Khawar Khurshid Adrian Ulges Ulrich Schwanecke	
ICES Journal of Marine Science , Volume 76, Issue 4	
Impact Factor: 3.188 Quartile: 1 Citations: 160	
DOI: 10.1093/icesjms/fsz025	
Distortion-specific feature selection algorithm for universal blind image quality assessment	2019
Imran Fareed Nizami Muhammad Majid Waleed Manzoor Khawar Khurshid Byeungwoo Jeon	
EURASIP Journal on Image and Video Processing, Volume 19, Pages 1-13	
Impact Factor: 1.474 Quartile: 3 Citations: 12	
DOI: 10.1186/s13640-018-0392-5	
New feature selection algorithms for no-reference image quality assessment	2018
Imran Fareed Nizami Muhammad Majid Khawar Khurshid	
Applied Intelligence , Volume 48, Issue 10, Pages 3482-3501	
Impact Factor: 2.882 Quartile: 2 Citations: 22	
DOI: 10.1007/s10489-018-1151-0	
Feature selection algorithm for no-reference image quality assessment using natural scene statistics	2018
Imran Fareed Nizami Muhammad Majid Khawar Khurshid	
Turkish Journal of Electrical Engineering and Computer Sciences, Volume 26, Issue 5, Pages 2163-2177	
Impact Factor: 0.625 Quartile: 4 Citations: 3	
DOI: 10.3906/elk-1804-116	
Dynamic Mode Decomposition Based Epileptic Seizure Detection from Scalp EEG	2018
Muhammad Sohaib J Solaija Khawar Khurshid Sajid Saleem Syed Ali Hassan Awais Mahmood Kamboh	
IEEE Access , Volume 6 ,Page 38683 - 38692	
Impact Factor: 4.098 Quartile: 1 Citations: 76	

DOI: 10.1109/ACCESS.2018.2853125	
Improved Dark Channel Prior for Image Defogging using RGB and YCbCr Color Space <i>Khawar Khurshid Ahmad Salman Imran Fareed Nizami Khurrum Khurshid Byeungwoo Jeon Zahid Tufail</i> <i>IEEE Access</i> , NULL Impact Factor: 4.098 Quartile: 1 Citations: 53 DOI: 10.1109/ACCESS.2018.2843261	2018
Modified Sensor Error Model for Static Calibration of a Low-Cost Tri-Axial MEMS Accelerometer <i>Muhammad Uzair Ali Fahim Khan Khawar Khurshid Byeungwoo Jeon</i> <i>International Journal of Robotics and Automation</i> , Volume 33, issue 3 Impact Factor: 0.754 Quartile: 4 Citations: 1 DOI: 10.2316/Journal.206.2018.3.206-4949	2018
Impact of Feature Selection Algorithms on Blind Image Quality Assessment <i>Khawar Khurshid Muhammad Majid Imran Fareed Nizami Hammad Afzal</i> <i>Arabian Journal for Science and Engineering</i> , NULL Impact Factor: 1.092 Quartile: 3 Citations: 7 DOI: https://doi.org/10.1007/s13369-017-2803-9	2017
Neuro-Cognitive Virtual Environment for Children with Autism (VECA) <i>Eisha Waseem Khawar Khurshid Ghalib W. Janjua Imran Abeel Kiran Khurshid Munazza A. Mirza Awais Mehmood Kamboh</i> <i>International Journal of Signal Processing Systems</i> , Volume 4, No. 6, Pages 469-474 Impact Factor: N/A DOI: NA	2016
A scalable architecture for geometric correction of multi-projector display systems <i>Kamran Babar Rehan Hafiz Khawar Khurshid Awais M. Kamboh Ali Hassan Farhan Riaz Byeungwoo Jeon</i> <i>Displays</i> , Volume 40, Pages 104-112 Impact Factor: 1.903 Quartile: 1 Citations: 3 DOI: 10.1016/j.displa.2015.05.009	2015

Conference Proceedings

Size Invariant Handwritten Character Recognition using Single Layer Feedforward Backpropagation Neural Networks <i>Adeel Yousaf Muhammad Junaid Khan Muhammad Jaleed Khan Nizwa Javaid Haroon Ibrahim Khurram Khurshid Khawar Khurshid</i> <i>2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)</i> , res.country(177,) Citations: N/A DOI: 10.1109/ICOMET.2019.8673459	2019
Crowdsourced System to Report Traffic Violations RoadCop: Bi-Modular System <i>Maryam Jameela Hammad Afzal Khawar Khurshid Asad Waqar Malik</i> <i>4th International Conference on Vehicle Technology and Intelligent Transport Systems</i> , res.country(183,) Citations: N/A DOI: 10.5220/0006680303150322	2018
An expert system for diabetes prediction using auto tuned multi-layer perceptron <i>Maham Jahangir Hammad Afzal Mehreen Ahmed Khawar Khurshid Raheel Nawaz</i> <i>2017 Intelligent systems conference (IntelliSys)</i> , res.country(260,) Citations: N/A DOI: 10.1109/IntelliSys.2017.8324209	2017

Book Chapters

Correlating Universal Design of Learning and the Performance in Science at Elementary School Level <i>Munazza Ahmed Mirza Khawar Khurshid Asma Hasan Zawar H. Shah Faryal Shah</i> In: <i>Handbook on Intelligent Techniques in the Educational Process</i> , 1st Edition, Chapter 13, Pages 269–298 Citations: 1 DOI: https://doi.org/10.1007/978-3-031-04662-9_13	2022
Impact of Lesson Planning on Students' Achievement Using Learner Profile System <i>Munazza Ahmed Mirza Khawar Khurshid Zawar H. Shah Faryal Shah Andrew Levula Aleksandra Klasnja Milicevic</i> In: <i>Handbook on Intelligent Techniques in the Educational Process</i> , 1st Edition, Chapter 7, Pages 121-143 Citations: 1 DOI: https://doi.org/10.1007/978-3-031-04662-9_7	2022

Editorial Activities

Reviewed Papers for Journals Impact Factor: 4.098	2019
Reviewed Papers for Journals Impact Factor: 4.098	2019
Reviewed Papers for Journals Impact Factor: 1.343	2019