

Ihtesham UI Islam

Associate Professor
Military College of Signals

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About

Dr. Ihtesham UI Islam is working as Associate Professor in the Military College of Signals. Dr. Ihtesham UI Islam has a PhD in Computer Vision And Artificial Intelligence. Dr. Ihtesham UI Islam has published 18 research articles & conference papers having a citation count of 247, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Vision And Artificial Intelligence Polytechnic Institute of Turin , Italy	2012 - 2015
MS in Image And Signal Processing Myongji University , South Korea	2007 - 2009
BS in Computer Systems N.W.F.P University of Engineering & Technology Peshawar , Pakistan	2002 - 2006

Experience

Associate Professor Military College of Signals	2024- Present
Associate Professor Military College of Signals	2022 - 2020
Associate Professor Military College of Signals	2020 - 2022
ASSOC PROF. SARHAD UNIVERSITY OF SCIENCE AND TECHNOLOGY , Landi Akhun Ahmad, Hayatabad Link. Ring Road, Peshawar	2015 - 2020
ASST. PROF FAST NATIONAL UNIVERSITY , FAST NATIONAL UNIVERSITY, INDUSTRIAL ESTATE PESHAWAR	2009 - 2012
LECTURER UET PESHAWAR , DEPARTMENT OF COMPUTER SYSTEMS, UET PESHAWAR, PESHAWAR UNIVERSITY	2006 - 2007
Associate System Engineer Northwest Research , 17(40B) Railway Road, University Town Peshawar	2006 - 2006

Research Projects

National Projects	
AI-based Risk Predictive tool for early diagnosis and treatment of Gestational Diabetes Funding Agency: PHC GLOBAL Amount: PKR 12,944,923.00 Status: Approved_inprocess	2023
IBN@TEIN: An AI-driven Intent-based Networking Platform for Service Deployment with QoS Assurance Funding Agency: TEIN*CC AND EUROPEAN UNION Amount: PKR 1,880,164.00 Status: Completed	2022

International Projects

Research Articles

Multi-feature-based crowd video modeling for visual event detection <i>Habib Ullah Ihtesham Ul Islam Mohib Ullah Muhammad Afaq Sultan Daud Khan Javed Iqbal</i> <i>Multimedia Systems</i> , Volume 27, Pages 589-597 Impact Factor: 2.603 Quartile: 2 Citations: 21 DOI: https://doi.org/10.1007/s00530-020-00652-x	2021
Fast Codebook Generation Using Pattern Based Masking Algorithm for Image Compression <i>Muhammad Bilal Zahid Ullah Ihtesham Ul Islam</i> <i>IEEE Access</i> , Volume 9, Pages 98904-98915 Impact Factor: 3.367 Quartile: 2 Citations: 7 DOI: 10.1109/ACCESS.2021.3095287	2021
Energy-efficient auto-scaling of virtualized network function instances based on resource execution pattern <i>Ihtesham Ul Islam Asif Mehmood Afaq Muhammad Talha Ahmed Khan Javier Jose Diaz Rivera Javed Iqbal Wang-Cheol Song</i> <i>Computers & Electrical Engineering</i> , Volume 88, Article Number 106814 Impact Factor: 3.818 Quartile: 2 Citations: 13 DOI: https://doi.org/10.1016/j.compeleceng.2020.106814	2020
An efficient SDN-based LTE-WiFi spectrum aggregation system for heterogeneous 5G networks <i>Khizar Abbas Muhammad Afaq Talha Ahmed Khan Adeel Rafiq Javed Iqbal Ihtesham Ul Islam Wang-Cheol Song</i> <i>Transactions on Emerging Telecommunications Technologies</i> , Pages 1-16, Article Number e3943. Impact Factor: 2.638 Quartile: 3 Citations: 36 DOI: https://doi.org/10.1002/ett.3943	2020
Towards 5G network slicing for vehicular ad-hoc networks: An end-to-end approach <i>Muhammad Afaq Javed Iqbal Talha Ahmed Ihtesham Ul Islam Murad Khan Muhammad Sohail Khan</i> <i>Computer Communications</i> , Volume 149, Pages 252-258 Impact Factor: 3.167 Quartile: 2 Citations: 39 DOI: https://doi.org/10.1016/j.comcom.2019.10.018	2020
Energy loss prediction in nonoriented materials using machine learning techniques: A novel approach <i>Mahmood Khan Afaq Muhammad Ihtesham Ul Islam Javed Iqbal Muhammad Shoaib</i> <i>Transactions on Emerging Telecommunications Technologies</i> , Article Number e3797, Pages 1-7 Impact Factor: 1.594 Quartile: 3 DOI: https://doi.org/10.1002/ett.3797	2019
Traffic priority based delay-aware and energy efficient path allocation routing protocol for wireless body area network <i>Fasee Ullah Zaka Ullah Sheeraz Ahmad Ihtesham Ul Islam Saeed Ur Rehman Javed Iqbal</i> <i>Journal of Ambient Intelligence and Humanized Computing</i> , Volume 10, Pages 3775-3794 Impact Factor: 4.594 Quartile: 1 Citations: 42 DOI: https://doi.org/10.1007/s12652-019-01343-w	2019
Spatio-temporal sEMG image enhancement and motor unit action potential (MUAP) detection: algorithms and their analysis <i>Ihtesham ul Islam Khalil Ullah Muhammad Afaq Muhammad Hasanain Chaudary Muhammad Kashif Hanif</i> <i>Journal of Ambient Intelligence and Humanized Computing</i> , Volume 10, Pages 3809-3819 Impact Factor: 4.594 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1007/s12652-019-01411-1	2019
Fusion of Color and Depth Information for Facial Recognition using a Multi Perspective Approach <i>Mudassir Aman Waqar Shah Ihtesham ul Islam Bilal Jan Muhammad Amir Bilal-ur-Rehman</i> <i>Proceedings of the Pakistan Academy of Sciences: Part A-Physical and Computational Sciences</i> , Volume 54(4), Pages 365-374 Impact Factor: N/A DOI: https://www.paspk.org/	2017
Illumination normalization using independent component analysis and filtering <i>Fawad Khan Asif Khan Ihtesham Ul Islam Muhammad Uzair Habib Ullah</i> <i>Imaging Science Journal</i> , Volume 65, No. 5, Pages 308-313 Impact Factor: 0.366 Quartile: 4 Citations: 10 DOI: https://doi.org/10.1080/13682199.2017.1338815	2017
Geometric and Textural Cues for Automatic Kinship Verification	2015

Andrea Bottino Tiago Figueiredo Vieira Ihtesham UI Islam
International Journal of Pattern Recognition and Artificial Intelligence, Volume 29, No. 3, Article Number 1556001 (18 pages)
Impact Factor: 0.915 | **Quartile:** 3 | **Citations:** 11
DOI: <https://doi.org/10.1142/S0218001415560017>

Robust multi-scale orientation estimation: Directional filter bank based approach 2014
Mohammad Asmat Ullah Khan Khalil Ullah Asif Khan Ihtesham UIIslam
Applied Mathematics and Computation , Volume 242, Pages 814-824
Impact Factor: 1.551 | **Quartile:** 1 | **Citations:** 5
DOI: <https://doi.org/10.1016/j.amc.2014.06.071>

Subclass discriminant analysis of morphological and textural features for hep-2 staining pattern classification 2014
Ihtesham UI Islam Santa Di Cataldo Andrea Bottino Tiago Figueiredo Vieira Elisa Ficarra
Pattern Recognition , Volume 47, Issue 7, Pages 2389-2399
Impact Factor: 3.096 | **Quartile:** 1 | **Citations:** 48
DOI: <https://doi.org/10.1016/j.patcog.2013.09.024>

Conference Proceedings

Unsupervised Cross-Domain Adaptation through Mutual Mean Learning and GANs for Person Re-identification 2023
IHTESHAM UL ISLAM QAZI MAZHAR UL HAQ Leethar Yao Bo-Yu Lin
3rd IEEE International Conference on Artificial Intelligence, ICAI 2023, res.country(177,)
Citations: N/A
DOI: 10.1109/ICAI58407.2023.10136664

The FG 2015 Kinship Verification in the Wild Evaluation 2015
Jiwen Lu Junlin Hu Venice Erin Liong Xiuzhuang Zhou Andrea Bottino Ihtesham UI Islam Tiago Figueiredo Vieira Xiaoqian Qin Xiaoyang Tan Songcan Chen
Shahar Mahpod Yosi Keller Lilei Zheng Khalid Idrissi Christophe Garcia Stefan Duffner Atila Baskurt Modesto Castrillón-Santana Javier Lorenzo-Navarro
2015 11th IEEE International Conference and Workshops on Automatic Face and Gesture Recognition, FG 2015, res.country(199,)
Citations: N/A
DOI: 10.1109/FG.2015.7163159

A multi-perspective holistic approach to Kinship Verification in the Wild 2015
Andrea Bottino Ihtesham UI Islam Tiago Figueiredo Vieira
2015 11th IEEE International Conference and Workshops on Automatic Face and Gesture Recognition (FG), res.country(199,)
Citations: N/A
DOI: 10.1109/FG.2015.7284834

Automatic verification of parent-child pairs from face images 2013
Tiago Figueiredo Vieira Andrea Bottino Ihtesham UI Islam
Iberoamerican Congress on Pattern Recognition, CIARP 2013: Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, res.country(51,)
Citations: N/A
DOI: https://doi.org/10.1007/978-3-642-41827-3_41

Book Chapters

Future of Big Data and Deep Learning for Wireless Body Area Networks 2018
Fasee Ullah Ihtesham UI Islam Abdul Hanan Abdullah Atif Khan
In: Book on Deep Learning: Convergence to Big Data Analytics, Chapter 5, Pages 53-77
Citations: 10
DOI: https://doi.org/10.1007/978-981-13-3459-7_5

Editorial Activities

N/A	2024
Reviewed Papers for Journals	
Impact Factor: N/A	
N/A	2024
Reviewed Papers for Journals	
Impact Factor: N/A	
N/A	2024
Reviewed Papers for Journals	
Impact Factor: N/A	
N/A	2024
Reviewed Papers for Journals	
Impact Factor: N/A	
Intelligent automation and soft computing	2023
Reviewed Papers for Journals	
Impact Factor: 3.401	
IEEE Journal of Biomedical and Health Informatics	2023
Reviewed Papers for Journals	
Impact Factor: 7.021	
IEEE Sensors Journal	2022
Reviewed Papers for Journals	
Impact Factor: 4.325	
	2021
Reviewed Papers for Journals	
	2021
Reviewed Papers for Journals	
Impact Factor: 0	
	2021
Reviewed Papers for Journals	
Impact Factor: 0	