

Fawad Ahmed

Professor

Pakistan Navy Engineering College

Email: fawad@pnec.nust.edu.pk

Contact:



About

Dr. Fawad Ahmed is working as Professor in the Pakistan Navy Engineering College. Dr. Fawad Ahmed has a PhD in Information Security. Dr. Fawad Ahmed has published 13 research articles & conference papers having a citation count of 445, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Information Security Nanyang Technological University , Singapore	2002 - 2010
MS in Control System University of New South Wales , Australia	1996 - 1998
BE in Industrial Engineering NED UET Karachi , Pakistan	1990 - 1994

Experience

Professor Pakistan Navy Engineering College	2023- Present
Professor Pakistan Navy Engineering College	2021 - 2021
Associate Professor HITEC University , HITEC University, Taxila	2010 - 2021
Lecturer/Assistant Professor NUST/PNEC , NUST/PNEC, Karachi	1998 - 2010

Research Articles

Prediction of the SARS-CoV-2 Derived T-Cell Epitopes' Response against COVID Variants <i>Hassam Tahir Muhammad Shahbaz Khan Fawad Ahmed Abdullah M. Albarrak Sultan Noman Qasem Jawad Ahmad</i> <i>Computers, Materials and Continua</i> , Volume 75, Issue 2, Pages 3517-3535 Impact Factor: 3.860 Quartile: 2 Citations: 1 DOI: 10.32604/cmc.2023.035410	2023
An Automated Classification Technique for COVID-19 Using Optimized Deep Learning Features <i>Ejaz Khan Muhammad Zia Ur Rehman Fawad Ahmed Suliman A. Alsuhibany Muhammad Zulfiqar Ali Jawad Ahmad</i> <i>Computer Systems Science and Engineering</i> , Volume 46, No.3, Pages 3799-3814 Impact Factor: 2.2 Quartile: 3 DOI: 10.32604/csse.2023.037131	2023
A DNA Based Colour Image Encryption Scheme Using A Convolutional Autoencoder <i>Fawad Ahmed Muneeb Ur Rehman Jawad Ahmad Muhammad Shahbaz Khan Wadii Boulila Gautam Srivastava Jerry Chun-Wei Lin William J. Buchanan</i> <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , Volume 19, No. 3S, Article Number 128 Impact Factor: 4.094 Quartile: 1 Citations: 40 DOI: https://dl.acm.org/doi/10.1145/3570165	2023
DRaNN_PSO: A deep random neural network with particle swarm optimization for intrusion detection in the industrial internet of things <i>Jawad Ahmad Syed Aziz Shah Shahid Latif Fawad Ahmed Zhuo Zou Nikolaos Pitropakis</i> <i>Journal of King Saud University - Computer and Information Sciences</i> , Volume 34, Issue 10, Page 8112-8121 Impact Factor: 9.000 Quartile: 1 Citations: 47 DOI: doi.org/10.1016/j.jksuci.2022.07.023	2022

A Secure and Lightweight Chaos Based Image Encryption Scheme <i>Fadia Ali Khan Jameel Ahmed Fehaid Alqahtani Suliman A. Alsuhibany Fawad Ahmed Jawad Ahmad</i> <i>CMC-Computers, Materials & Continua</i> , Volume 73, No.1, Pages 279-294 Impact Factor: 3.772 Quartile: 2 Citations: 3 DOI: 10.32604/cmc.2022.028789	2022
Classification of Skin Cancer Lesions Using Explainable Deep Learning <i>Muhammad Zia Ur Rehman Fawad Ahmed Suliman A. Alsuhibany Sajjad Shaukat Jamal Muhammad Zulfiqar Ali Jawad Ahmad</i> <i>Sensors</i> , Volume 22, Issue 18, Article Number 6915 Impact Factor: 3.9 Quartile: 2 Citations: 44 DOI: 10.3390/s22186915	2022
Machine Learning-Based Prediction of Node Localization Accuracy in IIoT-Based MI-UWSNs and Design of a TD Coil for Omnidirectional Communication <i>Qiao Gang Aman Muhammad Zahid Ullah Khan Muhammad Shahbaz Khan Fawad Ahmed Jawad Ahmed</i> <i>Sustainability</i> , Volume 14, Issue 15, Article Number 9683 Impact Factor: 3.889 Quartile: 2 Citations: 27 DOI: 10.3390/su14159683	2022
A Deep Learning-Based Semantic Segmentation Architecture for Autonomous Driving Applications <i>Sharjeel Masood Suliman A. Alsuhibany Yazeed Yasin Ghadi M. Y. Siyal Harish Kumar Khyber Khan Jawad Ahmad Fawad Ahmed</i> <i>Wireless Communications and Mobile Computing</i> , Volume 2022, Article ID 8684138, 12 pages Impact Factor: 2.146 Quartile: 3 Citations: 5 DOI: doi.org/10.1155/2022/8684138	2022
A Smart and Robust Automatic Inspection of Printed Labels Using an Image Hashing Technique <i>Mehshan Ahmed Khan Fawad Ahmed Muhammad Danial Khan Jawad Ahmad Harish Kumar Nikolaos Pitropakis</i> <i>Electronics</i> , Volume 11, Issue 6, Article Number 955 Impact Factor: 2.397 Quartile: 3 Citations: 6 DOI: https://doi.org/10.3390/electronics11060955	2022
Dynamic S-Box and PWLCM-Based Robust Watermarking Scheme <i>Jan Sher Khan Sema Koç Kayhan Saygin Siddiq Ahmed Jawad Ahmad Hafza Ayesha Siddiqa Fawad Ahmed Baraq Ghaleb Ahmed Al Dubai</i> <i>Wireless Personal Communications</i> , Pages 1-18 Impact Factor: 2.2 Quartile: 3 Citations: 11 DOI: https://doi.org/10.1007/s11277-022-09562-9	2022
Chest X-ray Classification for the Detection of COVID-19 Using Deep Learning Techniques <i>Ejaz Khan Muhammad Zia Ur Rehman Fawad Ahmed Faisal Abdulaziz Alfouzan Nouf M. Alzahrani Jawad Ahmad</i> <i>Sensors</i> , Volume 22, Issue 3, Article Number 1211 Impact Factor: 3.576 Quartile: 1 Citations: 106 DOI: https://doi.org/10.3390/s22031211	2022
Semantic Segmentation and Edge Detection—Approach to Road Detection in Very High Resolution Satellite Images <i>Hamza Ghandorh Wadii Boulila Sharjeel Masood Anis Koubaa Dr Fawad Ahmed Jawad Ahmad</i> <i>Remote Sensing</i> , Volume 14, Issue 3, Article Number 613 Impact Factor: 4.848 Quartile: 1 Citations: 67 DOI: https://doi.org/10.3390/rs14030613	2022
Intrusion Detection Framework for the Internet of Things using a Dense Random Neural Network <i>Shahid Latif Zil e Huma Sajjad Shaukat Jamal Fawad Ahmed Jawad Ahmad Adnan Zahid Kia Dashtipour Muhammad Umar Aftab Muhammad Ahmad Qammar Hussain Abbasi</i> <i>IEEE Transactions on Industrial Informatics</i> , Volume: 18, Issue: 9, Page(s): 435-6444 Impact Factor: 11.648 Quartile: 1 Citations: 88 DOI: 10.1109/TII.2021.3130248	2021