

Dr. Wazir Muhammad

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Address: Department of Electrical Engineering, BUET, Khuzdar.

EDUCATION:

PhD (Electrical Engineering) 2019

Chulalongkorn University Bangkok, Thailand.

ME (Communication Systems & Networks) 2008

Mehran University of Engineering & Technology, Jamshoro, Sindh, Pakistan.

BE (Electrical Engineering) 1999

Mehran University of Engineering & Technology, Jamshoro, Sindh, Pakistan.

RESEARCH PUBLICATIONS

- [1] Multi-scale Xception Based Depthwise Separable Convolution for Single Image Super-Resolution.
- [2] Multi-path Deep CNN with Residual Inception Network for Single Image Super-Resolution.
- [3] Multi-Scale Inception Based Super-Resolution Using Deep Learning Approach.
- [4] An Introduction to Deep Convolutional Neural Networks With Keras.
- [5] Electrochemical performance of NiCo₂O₄ spinel cathodes for intermediate temperature solid oxide fuel cells.
- [6] Mediating effect of the organizational culture on the relationship between leadership and operational performance in food processing SMEs.
- [7] HANS: Hybrid Attention Network for Single Image Super-Resolution.
- [8] SDCN: Synchronized Depthwise Separable Convolutional Neural Network for Single Image Super-Resolution.
- [9] Multi-scale Inception based Deep Convolutional Neural Network for Brain MRI Image Super-Resolution.
- [10] Deep Transfer Learning CNN based approach for COVID-19 Detection.
- [11] Nonlinear dynamic monostable and bistable energy harvester.
- [12] Nitrogen enriched mesoporous carbon sphere as efficient anode for long cycle Li/Na ion batteries.
- [13] Performance analysis of analog butterworth low pass filter as compared to Chebyshev type-I filter, Chebyshev type-II filter and elliptical filter.
- [14] Generation of Electric Power from Domestic Cooking System.
- [15] Production of Bio Diesel Oil from Algae in Coastal Area of Balochistan-Pakistan.
- [16] The Importance Of Adopting Sustainable Practices & Community Participation In Power Projects.

PROFESSIONAL EXPERIENCE

- 13/08/2014 – to date: Lab: Lecturer (NPS-19)-Electrical Engineering Department, Balochistan University of Engineering & Technology Khuzdar, Pakistan.
- 13/6/2007-19/12/2010: Lab: Lecturer (NPS-18)-Electrical Engineering Department, Balochistan University of Engineering & Technology Khuzdar, Pakistan.
- 08/09/2001-12/6/2007: Lab: Instructor (NPS-17) - Electrical Engineering Department, Balochistan University of Engineering & Technology Khuzdar, Pakistan.
- 28 /10/1999-10/08/2000: Lab: Instructor (NPS-16)- Electrical Engineering Department, Balochistan University of Engineering & Technology Khuzdar, Pakistan.

AWARDS AND HONOURS

- Awarded PhD scholarship from the fund “The 100th Anniversary Chulalongkorn University for Doctoral Scholarship” by Chulalongkorn University, Bangkok, Thailand.
- Nominated as a faculty member to Attend the course on “Advanced Faculty Professional Development Program: Ensuring Training Effectiveness” organized by Higher Education Commission, Islamabad, from March 7 to 25, 2011 at AIT-Extension, ASIAN INSTITUTE OF TECHNOLOGY BANGKOK, THAILAND.
- Nominated as a faculty member to Attended a three month course in “Teaching & Learning in Higher Education” held from January 08-April 02, 2004 at Higher Education Commission, Islamabad.
- Attained one-month Laboratory training in various laboratories Of the Department of Electrical Engineering, NED University Of Engineering & Technology, Karachi, from 25 -03-2003 to 14-04- 2003.

RESEARCH INTERESTS:

- Electrical Circuits
- Neural Networks
- Signals and Systems
- Digital Signal Processing
- Digital Image Processing
- Computer Vision
- Deep learning.
- Machine Learning.