Kunwar Faraz

Professor of Practice

School of Mechanical & Manufacturing Engineering

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About

Dr. Kunwar Faraz is working as Professor of Practice in the School of Mechanical & Manufacturing Engineering. Dr. Kunwar Faraz has a PhD in Mobile Robotics. Dr. Kunwar Faraz has published 6 research articles & conference papers having a citation count of 104, carried out 1 projects and filed 1 intellectual property.

Qualifications

PhD in Mobile Robotics 2006 - 2008
University of Toronto , Canada

MSc in Robotics 2003 - 2005
University of Toronto , Canada

BSc in Mecchanical Engineering 1990 - 1993
College of Electrical and Mechanical Engineering , Pakistan

Experience

Professor of Practice 2024- Present
School of Mechanical & Manufacturing Engineering

Defence Faculty 2020 - 2024
College of Electrical & Mechanical Engineering

Prof 2021 - 2022
EME College , EME College Peshawer Rd

Professional Memberships

PEC Since 1994

Research Projects

National Projects

Development and Production of an AGILE Quadruped Robot
Funding Agency: HEC
Amount: PKR 14,680,000.00
Status: Approved_inprocess

International Projects

Research Articles

Z-Number-Based Fuzzy Logic Approach for Mobile Robot Navigation 2023

Osama Ali Khan Kunwar Faraz Ahmed Khan Umar Shahbaz Khan Hamid Jabbar

IEEE Access , Volume 11, Pages 131979-131997

Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 1

DOI: 10.1109/ACCESS.2023.3336014

Towards automated weed detection through two-stage semantic segmentation of tobacco and weed pixels in aerial Imagery 2023

Syed Imran Moazzam Umar Shahbaz Khan Waqar Shahid Qureshi Tahir Habib Nawaz Kunwar Faraz Ahmed Khan

Smart Agricultural Technology , Volume 4, Article Number 100142

Impact Factor: N/A | **Citations:** 32

DOI: https://doi.org/10.1016/j.atech.2022.100142

Patch-wise weed coarse segmentation mask from aerial imagery of sesame crop 2022

Syed Imran Moazzam Umar Shahbaz Khan Waqar Shahid Qureshi Mohsin Islam Tiwana Nasir Rashid Ameer Hamza Kunwar Faraz Ahmed Tahir Habib Nawaz

Computers and electronics in agriculture , Volume 203, Article Number 107458

Impact Factor: 6.757 | **Quartile:** 1 | **Citations:** 12

DOI: https://doi.org/10.1016/j.compag.2022.107458

A novel approach of overtaking maneuvering using modified RG method 2022

Usman Ghumman Hamid Jabbar Mohsin Islam Tiwana Kunwar Faraz Ihsan Ullah Khalil

PLoS One , Volume 17(1), Pages e0260455

Impact Factor: 3.240 | **Quartile:** 2 | **Citations:** 2

DOI: https://doi.org/10.1371/journal.pone.0260455

Guided Autowave Pulse Coupled Neural Network (GAPCNN) based real time path planning and an obstacle avoidance scheme for mobile robots 2014

Usman Ahmed Syed Kunwar Faraz Mazhar Iqbal Tabassam

Robotics and Autonomous Systems , Volume 62, Issue 4, Pages 474-486

Impact Factor: 1.256 | **Quartile:** 2 | **Citations:** 57

DOI: 10.1016/j.robot.2013.12.004

Conference Proceedings

Investigation of Deep Learning Methods for Disease Detection in Cotton Fields using UAV Imagery 2025

Anwar Iqbal Kunwar Faraz Shahbaz Khan Syed Irtiza Ali Shah Zartasha Mustansar Muhammad Azhar Javeed

IEEE 2nd International Conference on Emerging Technologies in Electronics, Computing and Communication (ICETECC) res.country(177,)

Citations: N/A

DOI: Nil

Intellectual Property

Copyrights

Patents

Industrial Designs

Hybrid Walk and Roll Quadruped Robot (Class-01) 2022

Status: Granted Filed

Trademarks