Usman Zia

Adjunct Faculty

School of Interdisciplinary Engineering & Sciences

Email: usman.zia@sines.nust.edu.pk
Contact:

About

Dr. Usman Zia is working as Adjunct Faculty in the School of Interdisciplinary Engineering & Sciences. Dr. Usman Zia has a PhD in Software Engineering. Dr. Usman Zia has published 5 research articles & conference papers having a citation count of 42, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Software Engineering   2015 - 2022
  NUST, Islamabad , Pakistan

MS in Computer Engineering   2009 - 2013
  UET Taxila , Pakistan

BE in Electronics   1999 - 2002
  NUST, Islamabad , Pakistan

Experience

Adjunct Faculty   2023- Present
  School of Interdisciplinary Engineering & Sciences

Lt Col   2003 - 2023
  GHQ , GHQ

Research Projects

National Projects

Improving Bilingual Data Quality in Citizen Records & Semantic Information Retrieval   2025
  Funding Agency: NADRA
  Amount: PKR 6,980,000.00
  Status: Approved_inprocess

NUST Digital Twin through Advanced Modeling & Simulation   2024
  Funding Agency: NUST
  Amount: PKR 50,000,000.00
  Status: Approved_inprocess

Domain Specific GPT (Large Language Model)   2023
  Funding Agency: Army
  Amount: PKR 1,720,000.00
  Status: Approved_inprocess

SafeRail: Development of Obstacle Detection and Warning System using Microwave Long Range Radar for ML-1 Railway Line   2021
  Funding Agency: HEC
  Amount: PKR 39,918,000.00
  Status: Completed

International Projects

Research Articles

Efficient Text Style Transfer through Robust Masked Language Model and Iterative Inference   2024

Osama Subhani Khan Naima Iltaf Usman Zia Rabia Latif Nor Shahida Mohd Jamail

IEEE Access , Volume 12, Pages 182353-182373

Impact Factor: 3.400 | **Quartile:** 2 | **Citations:** 1

Deep-view linguistic and inductive learning (DvLIL) based framework for Image Retrieval   2023

Ikhlaq Ahmed Naima Altaf Dr Usman Zia0 Zafran Khan

Information Sciences , Volume 649, Article Number: 119641

Impact Factor: 8.1 | **Quartile:** 1 | **Citations:** 4

An Effective Model for Indirect Trust Computation in Pervasive Computing Environment   2014

Naima Altaf Abdul Ghafoor Usman Zia Mukhtar Hussain

Wireless Personal Communications , Volume: 75 Issue: 3 Pages: 1689-1713 Special Issue: SI

Impact Factor: 0.653 | **Quartile:** 4 | **Citations:** 5

A mechanism for detecting dishonest recommendation in indirect trust computation   2013

Naima Altaf Abdul Ghafoor Usman Zia

EURASIP Journal on Wireless Communications and Networking, Article Number: 189

Impact Factor: 0.805 | **Quartile:** 3 | **Citations:** 32

Conference Proceedings

Remote Sensing Cross-Modal Text-Image Retrieval Using Multi-Grade Dynamic Feature Fusion   2025

Fatima Ali Naima Iltaf Usman Zia

2025 International Conference on Communication Technologies, ComTech 2025, res.country(177,)

Citations: N/A