

Stanford



Muhammad Ahmed Mohsin

Ph.D. Student in Electrical Engineering, admitted Winter 2025

 Curriculum Vitae available Online

Bio

BIO

I am a Ph.D. student @ Stanford advised by Dr. John Cioffi. I completed my undergraduate from NUST, Pakistan (2024). My research domain incorporates areas of Machine Learning, Reinforcement Learning and Wireless Communications.

HONORS AND AWARDS

- Stanford Graduate Fellowship, Stanford University (23 September 2024)
- Rectors Gold Medal for Best Final year Project, National University of Sciences & Technology (September 2024)
- The Presidents Medal, Federal Board of Education, Pakistan (June 2020)
- Scholarship Pointer for top 10 Nationwide, STEP-ECAT (June 2020)

EDUCATION AND CERTIFICATIONS

- BS, National University of Sciences and Technology , Electrical Engineering (2020)

LINKS

- LinkedIn: <https://www.linkedin.com/in/ahmed-mohsin-2089231b9/>
- Portfolio Website: <https://ahmd-mohsin.github.io/>
- Github: <https://github.com/ahmd-mohsin>
- Instagram: https://www.instagram.com/_ahmedmohsinn/

Research & Scholarship

LAB AFFILIATIONS

- John Cioffi, STAR Laboratory (7/31/2024)

Publications

PUBLICATIONS

- **Analysis of STAR-RIS-Assisted Downlink CoMP-NOMA Multi-Cell Networks Under Nakagami- m Fading** *IEEE COMMUNICATIONS LETTERS*
Umer, M., Mohsin, M., Gidlund, M., Jung, H., Hassan, S.
2024; 28 (5): 1009-1013
- **Performance Analysis of STAR-RIS Enhanced CoMP-NOMA Multi-Cell Networks** *Globecom 2023*
Umer, M., et al

2024

- **PyramidTabNet: Transformer-Based Table Recognition in Image-Based Documents** *International Conference on Document Analysis and Recognition*
Umer, M., et al
2023
- **RECONFIGURABLE INTELLIGENT SURFACE-ASSISTED AERIAL NONTERRESTRIAL NETWORKS <i>An Intelligent Synergy With Deep Reinforcement Learning</i>** *IEEE VEHICULAR TECHNOLOGY MAGAZINE*
Umer, M., Mohsin, M., Kaushik, A., Nadeem, Q., Nasir, A., Hassan, S.
2025
- **Zero-Shot Learning via GANs and SAGANs: A Performance Analysis** *IEEE FIT*
Mohsin, M. A., et al
IEEE.2024: 6
- **MINDTwin AI: Multiphysics Informed Digital-Twin for Fault Localization in Induction Motor Using AI** *International Conference on Big Data, Knowledge and Control Systems Engineering*
Bashir, A.
2023