

Danish Ilyas

Lecturer

Military College of Signals

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About

Dr. Danish Ilyas is working as Lecturer in the Military College of Signals. Dr. Danish Ilyas has a PhD in Digital signal processing and information theory. Dr. Danish Ilyas has published 5 research articles & conference papers, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Digital signal processing and information theory Beihang university , China	2019 - 2025
MS in Wireless Communication NUST, Islamabad , Pakistan	2012 - 2014
BE in Telecommunication NUST, Islamabad , Pakistan	2009 - 2012
F.Sc in Pre-Engineering FBISE, Islamabad , Pakistan	2007 - 2008
Matric (SSC) in Computer Sciences FBISE, Islamabad , Pakistan	2005 - 2006

Experience

Lecturer Military College of Signals	2025- Present
Lecturer Military College of Signals	2019 - 2019
Lecturer Military College of Signals	2015 - 2019
Engineer Huawei Pakistan , Saudi Pak Tower, Islamabad	2015 - 2015

Awards

President's Gold Medal

Professional Memberships

PEC

Research Articles

Polar coded probabilistic amplitude shaping for non-terrestrial networks in 5G

Danish Ilyas Rongke Liu Abdul Wakeel Mir Yasir Umair

Telecommunication Systems , Volume:88, Issue:1, Article Number 39

Impact Factor: 2.300 | **Quartile:** 3

DOI: <https://doi.org/10.1007/s11235-024-01232-4>

2025

Adaptive successive cancellation list decoding for Polar-coded Probabilistic amplitude shaping

Danish Ilyas Rongke Liu Abdul Ghafoor

IEEE Communications Letters , Volume 28, Issue 12, Pages 2705-2708

Impact Factor: 3.700 | **Quartile:** 2

DOI: 10.1109/LCOMM.2024.3426520

2024

Less complex solutions for active noise control of impulsive noise

Alina Mirza Ayesha Zeb Mir Yasir Umair Danish Ilyas Shahzad Amin Sheikh

Analog Integrated Circuits and Signal Processing, Volume 102, Pages 507–521

Impact Factor: 1.337 | **Quartile:** 4

DOI: [https://doi.org/10.1007/s10470-019-01565-0\(0123456789\(\).,-volV\)\(0123456789\(\).,-volV\)](https://doi.org/10.1007/s10470-019-01565-0(0123456789().,-volV)(0123456789().,-volV))

2020

Conference Proceedings

Performance of STBC Cooperative NOMA with Imperfect Successive Interference Cancellation

Danish Ilyas Syed Ali Hassan Aamir Mahmood Mikael Gidlund

2021 IEEE International Conference on Communications Workshops (ICC Workshops), res.country(233,)

Citations: N/A

DOI: 10.1109/ICCWorkshops50388.2021.9473835

2021

Proportional fairness grouped pairing scheduling for VMIMO uplink in femtocell systems

Danish Ilyas Imran Rashid

Proceedings - IEEE Military Communications Conference MILCOM, res.country(233,)

Citations: N/A

DOI: 10.1109/MILCOM.2014.259

2014