

Neelma Naz

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Neelma Naz is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Neelma Naz has a PhD in Robotics and Intelligent Machine Engineering. Dr. Neelma Naz has published 15 research articles & conference papers having a citation count of 146, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Robotics and Intelligent Machine Engineering	2020 - 2025
NUST, Islamabad , Pakistan	
MS in Control Systems	2011 - 2013
NUST, Islamabad , Pakistan	
BE in Electrical Engineering	2006 - 2011
BZU, Multan , Pakistan	

Experience

Assistant Professor	2024- Present
School of Electrical Engineering and Computer Science	
Assistant Professor	2024 - 2024
School of Electrical Engineering and Computer Science	
Assistant Professor	2016 - 2024
School of Electrical Engineering and Computer Science	
Lecturer	2014 - 2016
School of Electrical Engineering and Computer Science	

Professional Memberships

PEC	Since 2011
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- DT-RSSI: Digital Twin-Replica of Sensing Statistics for IRA in Intelligent NG-HetNets** 2025  
*Muhammad Khurram Ehsan Neelma Naz Shahid Mumtaz Asad Mahmood Ali Hassan Sodhro*  
*IEEE Transactions on Mobile Computing*, olume: 24, Issue: 8, Page(s):6934-6944  
**Impact Factor: 9.2 | Quartile: 1 | Citations: 1**  
**DOI:** 10.1109/TMC.2025.3544918
- MSE-GCN: A Multiscale Spatiotemporal Feature Aggregation Enhanced Efficient Graph Convolutional Network for Dynamic Sign Language Recognition** 2025  
*Neelma Naz Hasan Sajid Sara Baber Sial Osman Hassan Muhammad Khurram Ehsan*  
*IEEE Transactions on Emerging Topics in Computational Intelligence*, Volume: 9, Issue: 4, Page(s):2979-2994  
**Impact Factor: 6.5 | Quartile: 1 | Citations: 1**  
**DOI:** 10.1109/TETCI.2024.3509500
- MIPA-ResGCN: a multi-input part attention enhanced residual graph convolutional framework for sign language recognition** 2023  
*Neelma Naz Hasan Sajid Sara Baber Sial Osman Hassan Muhammad Khurram Ehsan*  
*Computers & Electrical Engineering*, Volume 112, Article Number 109009  
**Impact Factor: 4.3 | Quartile: 2 | Citations: 7**  
**DOI:** <https://doi.org/10.1016/j.compeleceng.2023.109009>
- Signgraph: An Efficient and Accurate Pose-Based Graph Convolution Approach Toward Sign Language Recognition** 2023  
*Neelma Naz Hasan Sajid Sara Baber Sial Osman Hassan Muhammad Khurram Ehsan*  
*IEEE Access*, Volume 11, Pages 19135-19147  
**Impact Factor: 3.476 | Quartile: 2 | Citations: 41**  
**DOI:** DOI: 10.1109/ACCESS.2023.3247761
- Intelligence of Autonomous Vehicles: A Concise Revisit** 2022  
*Neelma Naz Muhammad Khurram Ehsan Muhammad Rizwan Amirzada Md Yeakub Ali Muhammad Aasim Qureshi*  
*Journal of Sensors*, Volume 2022, Article ID 2690164, 11 pages  
**Impact Factor: 2.336 | Quartile: 3 | Citations: 25**  
**DOI:** <https://doi.org/10.1155/2022/2690164>
- Intelligent and Integrated Framework for Exudate Detection in Retinal Fundus Images** 2021  
*Muhammad Shujaat Numan Aslam Muhammad Khurram Ehsan Iram Noreen Muhammad Aasim Qureshi Aasim Ali neelma naz Imtisal Qadeer*  
*Intelligent Automation & Soft Computing*, Volume 30, No.2, Pages 663-672  
**Impact Factor: 1.647 | Quartile: 3 | Citations: 7**  
**DOI:** 10.32604/iasc.2021.019194
- Characterization of sparse WLAN data traffic in opportunistic indoor environments as a prior for coexistence scenarios of modern wireless technologies** 2021  
*Muhammad Khurram Ehsan Asghar Ali Shah Muhammad Rizwan Amirzada Neelma Naz Kostromitin Konstantin Muhammad Sajid Asad Raza Gardezi*  
*Alexandria Engineering Journal*, Volume 60, Issue 1, Pages 347-355  
**Impact Factor: 6.626 | Quartile: 1 | Citations: 11**  
**DOI:** <https://doi.org/10.1016/j.aej.2020.08.029>
- MPPT for Photovoltaic System Using Nonlinear Controller** 2018  
*Ramsha Iftikhar Iftikhar Ahmad Muhammad Arsalan Naghmash Ali Hammad Armghan Neelma Naz*  
*International Journal of Photoenergy*, Volume 2018, Article ID 6979723, 11 pages  
**Impact Factor: 2.026 | Quartile: 2 | Citations: 43**  
**DOI:** 10.1155/2018/6979723
- Backstepping Based Automatic Blood Glucose Nonlinear Controller for Diabetes Mellitus Type 1 Patients** 2016  
*Faysal Munir Iftikhar Ahmad Neelma Naz*  
*Advanced Science Letters*, Volume 22, Number 10, Pages 2652-2656  
**Impact Factor: 0 | Citations: 10**  
**DOI:** <https://doi.org/10.1166/asl.2016.7011>

Conference Proceedings

<b>E-Gait: Enhanced Efficient Graph Convolution Network for Gait Recognition</b> <i>Neelma Naz Saim Rasheed Sara Baber Sial Hasan Sajid</i> <i>Proceedings of SPIE - The International Society for Optical Engineering, res.country(231,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.1117/12.3055057">https://doi.org/10.1117/12.3055057</a>	2024
<b>Robust fault tolerant control of a DC motor in the presence of actuator faults</b> <i>Muwahida Liaquat Qandeel Fazal Neelma Naz</i> <i>2015 16th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA), res.country(221,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/STA.2015.7505169	2015
<b>Robust Fault Tolerant Control of a DC Motor in the Presence of Actuator Faults</b> <i>Muwahida Liaquat Qandeel Fazal Neelma Naz</i> <i>2015 16th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA), res.country(221,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/STA.2015.7505169	2015
<b>Real Time Implementation of Feedback Linearizing Controllers for Magnetic Levitation System</b> <i>Neelma Naz Mohammad Bilal Malik Muhammad Salman</i> <i>IEEE Conference on Systems, Process and Control held from 13-15 Dec 2013 in Malaysia res.country(157,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/SPC.2013.6735102	2013
<b>Sampled Data Sliding Mode Control of Magnetic Levitation System Using Extended Kalman Filter Estimator</b> <i>Muhammad Salman Neelam Naz Mohammad Bilal Malik Asim Zaheer</i> <i>8th EUROSIM Congress on Modeling and Simulation held from 10-13 Sep 2013 in UK res.country(231,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/EUROSIM.2013.47	2013
<b>Sampled-Data Output Feedback Tracking of Magnetic Levitation System</b> <i>Muhammad Salman Asim Zaheer Neelma Naz</i> <i>8th IEEE Conference on Industrial Electronics and Applications held from 19-21 Jun 2013 in Australia, res.country(13,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICIEA.2013.6566609	2013

Editorial Activities

<b>Computers and Electrical Engineering</b> Reviewed Papers for Journals <b>Impact Factor:</b> 4.9	2025
<b>IEEE Transactions on Circuits and Systems for Video Technology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 11.1	2025
<b>IEEE Transactions on Circuits and Systems for Video Technology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 8.3	2024
<b>Knowledge-Based Systems</b> Reviewed Papers for Journals <b>Impact Factor:</b> 7.2	2024
<b>IEEE Transactions on Circuits and Systems for Video Technology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 8.3	2024