

Lubna Moin

Assistant Professor
Pakistan Navy Engineering College

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About

Dr. Lubna Moin is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Lubna Moin has a PhD in Control Systems. Dr. Lubna Moin has published 14 research articles & conference papers having a citation count of 52, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Control Systems	2009 - 2017
NUST, Islamabad , Pakistan	
MS in (Control System)	2003 - 2005
NUST, Islamabad , Pakistan	
BE in (Electrical)	1989 - 1993
NED UET Karachi , Pakistan	

Experience

Assistant Professor	2011- Present
Pakistan Navy Engineering College	
Lecturer	2008 - 2011
Pakistan Navy Engineering College	
Demonstrator	2006 - 2008
Pakistan Navy Engineering College	
Demonstrator	2005 - 2005
Pakistan Navy Engineering College	
Lab Supervisor	2001 - 2005
Pakistan Navy Engineering College	

Awards

Best Paper Award	2008
Best Paper Award amond 55 countries in an International Conference USA	

Research Articles

Novel configurations for cascaded multilevel inverter with hybrid and asymmetric architecture	2025
Ashraf Yahya Nusrat Husain Syed Aqeel Haider Lubna Moin Zeeshan Ahmad Arfeen	
Circuit World , Pages 1-20	
Impact Factor: 0.800 Quartile: 4	
DOI: https://doi.org/10.1108/CW-02-2024-0033	
Electric Vehicle Battery Temperature Control Using Fuzzy Logic	2024
Lubna Moin Fayyaz Ahmed Mohammad Farhan Khan Wahab Mohyuddin Mohammad Abdullah	
Automatic Control and Computer Sciences , Volume 58, No. 3, Pages 237-251	
Impact Factor: 0.600 Quartile: 4 Citations: 2	
DOI: https://doi.org/10.3103/S0146411624700135	
Optimal designing of grid-connected microgrid systems for residential and commercial applications in Pakistan	2023
Syeda Sakina Zaidi Sajjad Zaidi Bilal Muhammad Khan Lubna Moin	
Heliyon , Volume 9, Issue 7, Article Number e17990	

- Impact Factor:** 3.400 | **Quartile:** 1 | **Citations:** 10
DOI: doi.org/10.1016/j.heliyon.2023.e17990
- An Improved Gradient-Based Optimization Algorithm for Solving Complex Optimization Problems** 2023
Nusrat Husain Ashraf Yahya Lubna Moin Saleh Masoud Abdallah Altbawi Saifulnizam Bin Abdul Khalid Ahmad Safawi Bin Mokhtar Hussain Shareef Syed Aqeel Haider Rayan Hamza Alsisi
Processes , Volume 11, Issue 2, Article Number 498
Impact Factor: 3.5 | **Quartile:** 2 | **Citations:** 20
DOI: https://doi.org/10.3390/pr11020498
- Optimal Control of a Single-Stage Modular PV-Grid-Driven System Using a Gradient Optimization Algorithm** 2023
Nusrat Husain Ashraf Yahya Lubna Moin Saleh Masoud Abdallah Altbawi Ahmad Safawi Bin Mokhtar Saifulnizam Bin Abdul Khalid Syed Aqeel Haider Rayan Hamza Alsisi
Energies , Volume 16, Issue 3, Article Number 1492
Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 20
DOI: https://doi.org/10.3390/en16031492
- Realtime Autonomous Navigation in V-Rep based static and dynamic environment using EKF- SLAM** 2021
Umme Han Lubna Moin
IAES International Journal of Robotics and Automation, Volume 10, No. 4, Pages 296-307
Impact Factor: N/A
DOI: 10.11591/ijra.v10i4.pp296-307
- An Electrical Perspective of the Baroreflex Feedback Mechanism for Heart Rate Control** 2017
Lubna Moin Bhawani Shankar Chowdhry Vali Uddin
International Journal of Bio-Science and Bio-Technology , Volume 9, Number 1, Pages 75-88
Impact Factor: 0
DOI: 10.14257/ijbsbt.2017.9.1.06
- A Unified Bond Graph Modeling Approach for the Ejection Phase of the Cardiovascular System** 2016
Lubna Moin VALI UDDIN BHAWANI SHANKAR CHOWDHRY QAISAR JAVAID
A Unified Bond Graph Modeling Approach for the Ejection Phase of the Cardiovascular System, Volume 35 , Issue 3, Pages 413-425
Impact Factor: 0
DOI: 10.22581/muet1982.1603.11
- System Response Analysis and Model Order Reduction, Using Conventional Method, Bond Graph Technique and Genetic Programming** 2009
Lubna Moin Vali Uddin Shahid Ali
Journal of Systemics, Cybernetics and Informatics, Volume 7, No. 2, Pages 80-89
Impact Factor: 0
DOI: 10.13140/RG.2.2.18389.24803
- A Unified Modeling Approach using Bond Graph Method and its Application for Model Order Reduction and Simulation** 2007
Lubna Moin Vali Uddin Abbas
Journal of Ubiquitous Computing and Communication Technologies, Volume 2, Pages 91-105
Impact Factor: 0
DOI: -

Conference Proceedings

Optimal Output Regulation of a Field-controlled DC Motor using an Extended High-Gain Observer <i>Arifa Qazi Dr Attaullah Memon Dr Lubna Moin</i> <i>10th International Conference on Control, Decision, and Information Technologies (CoDIT 2024), res.country(152,)</i> Citations: N/A DOI: 10.3390/su1502	2024
Measurement of Land Deformation in Karachi Using Stamps <i>Dr. Lubna Moin Bazgha Jabeen</i> <i>EURASIAWEB International Conference , res.country(282,)</i> Citations: N/A DOI: 978-93-90150-32-8	2022
An Optimal Path Planning Approach for a Two Wheeled Mobile Robot using Free Segment and Turning Point Algorithm <i>Rida Siddiqui Lubna Moin</i> <i>25th World Multi-Conference on Systemics, Cybernetics and Informatics, WMSCI 2021, res.country(233,)</i> Citations: N/A DOI: ISBN:978-1-950492-54-1	2021
Bond graph model for the right atrium of heart <i>Sajjad Zaidi Lubna Moin Vali Uddin Vali Uddin</i> <i>IECBES 2016 - IEEE-EMBS Conference on Biomedical Engineering and Sciences, res.country(157,)</i> Citations: N/A DOI: 10.1109/IECBES.2016.7843439	2016

Editorial Activities

Edited Journal Issue / Proceeding / Book Impact Factor: 1.408	2020
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