

Jawad Arif

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Jawad Arif is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Jawad Arif has a PhD in Control Application for Power Systems. Dr. Jawad Arif has published 12 research articles & conference papers having a citation count of 51, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Control Application for Power Systems	2008 - 2011
Imperial College London , United Kingdom	
M.E in Control Systems	2005 - 2007
University of Veterinary & Animal Science , Pakistan	
Post Grad Diploma in Computer Engineering	2001 - 2005
COMSATS Institute of Information Technology , Pakistan	

Experience

Assistant Professor	2025- Present
School of Electrical Engineering and Computer Science	
Assistant Professor	2020 - 2020
School of Electrical Engineering and Computer Science	
Research Assistant	2007 - 2008
Air University , Service Road E-9 / E-8, Islamabad, Pakistan; E-9, Islamabad	

Awards

Professional Memberships

PEC	Since 2006
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Research Projects

National Projects	
Optimal Control Design of Underwater Glider	2022
Funding Agency: NESCOM	
Amount: PKR 100,000.00	
Status: Approved_inprocess	
Design and Development of Control System for USV Phase 1	2022
Funding Agency: NESCOM	
Amount: PKR 500,000.00	
Status: Approved_inprocess	

International Projects

A Comprehensive Analysis of Turnout, Switching, and Nonlinear Control Technique to Enhance Safety, Efficiency, and Capacity in Hyperloop

Hamad Almujiabah Rizwan Ahmad Khan Farrukh Zain Ul Abideen Amir Shabbir Ali Hussain Almakrami Khaldoun Karraz Jawad Arif

IEEE Access , Volume:12, Page:153127-153145

Impact Factor: 3.4 | **Quartile:** 2 | **Citations:** 2

DOI: 10.1109/ACCESS.2024.3472857

2024

Bi-Directional Mutual Energy Trade between Smart Grid and Energy Districts Using Renewable Energy Credits

Sana Rehman Bilal Khan Jawad Arif Zahid Ullah Abdullah J. Aljuhani Ahmad Alhind Sahibzada M. Ali

Sensors , Volume 21(9), Article Number 3088

Impact Factor: 3.847 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.3390/s21093088>

2021

Multivariable Self-Tuning Feedback Linearization Controller for Power Oscillation Damping

Swakshar Ray Balarko Chaudhuri Swakshar Ray Balarko Chaudhuri Jawad Arif

IEEE Transactions on Control Systems Technology , Volume: 22 , Issue: 4, Pages 1519 - 1526

Impact Factor: 2.474 | **Quartile:** 1 | **Citations:** 18

DOI: 10.1109/TCST.2013.2279939

2014

MIMO feedback linearization control for power systems

Balarko Chaudhuri Swakshar Ray Balarko Chaudhuri Swakshar Ray Jawad Arif

International Journal of Electrical Power and Energy Systems, Volume 45, Issue 1, Pages 87-97

Impact Factor: N/A | **Citations:** 21

DOI: <https://doi.org/10.1016/j.ijepes.2012.08.051>

2013

Discrete-time Lyapunov stable-staggered estimator MIMO adaptive interference cancelation with experimental verification

Suhail Akhtar Suhail Akhtar Jawad Arif

International Journal of Adaptive Control and Signal Processing, Volume 24, Issue 4, Pages 275-286

Impact Factor: 0.729 | **Quartile:** 3

DOI: <https://doi.org/10.1002/acs.1131>

2010

Classification of White Blood Cells Subtype Using MCNN

2022

Muhammad Sufyan Arshad Dr Jawad Arif

2022 International Conference on Emerging Trends in Electrical, Control, and Telecommunication Engineering (ETECTE), res.country(177,)

Citations: N/A

DOI: 10.1109/ETECTE55893.2022.10007106

Robust Method of Lithium Ion Coin Half-Cell Fabrication

2022

Muhammad Sufyan Arshad Dr Jawad Arif Dr Zubair Rehman

2022 International Conference on Emerging Trends in Electrical, Control, and Telecommunication Engineering, ETECTE 2022 - Proceedings
res.country(177,)

Citations: N/A

DOI: 10.1109/ETECTE55893.2022.10007240

Nonlinear Optimal Position Control Design for 2-link RR-Robot Manipulator

2010

Bilal Khan Jawad Arif Shah Riaz

6th International Conference on Emerging Technologies (ICET), res.country(177,)

Citations: N/A

DOI: 10.1109/ICET.2010.5638374

Self-tuning feedback linearization controller for power oscillation damping

2010

Jawad Arif Nilanjan Ray Chaudhuri Swakshar Ray Balarko Chaudhuri

IEEE PES Transmission and Distribution Conference and Exposition, res.country(233,)

Citations: N/A

DOI: 10.1109/TDC.2010.5484294

Online Levenberg-Marquardt algorithm for neural network based estimation and control of power systems

2009

Jawad Arif Nilanjan Ray Chaudhuri Swakshar Ray Balarko Chaudhuri

2009 International Joint Conference on Neural Networks, res.country(233,)

Citations: N/A

DOI: 10.1109/IJCNN.2009.5179071

Discrete time Lyapunov stable staggered estimator MIMO adaptive interference cancelation with experimental verification

2008

Jawad Arif Suhail Akhtar

American Control Conference , res.country(233,)

Citations: N/A

DOI: 10.1109/ACC.2008.4587249

Discrete Time Lyapunov Stable MIMO Adaptive Interference Cancelation

2007

Jawad Arif Suhail Akhtar

International Conference on Mechatronics and Automation, res.country(48,)

Citations: N/A

DOI: 10.1109/ICMA.2007.4304105

Editorial Activities

Reviewed Papers for Journals Impact Factor: 7.7	2024
IEEE Transactions on Industrial Electronics Reviewed Papers for Journals Impact Factor: 7.7	2023
Energy Conversion and Management Reviewed Papers for Journals Impact Factor: 11.553	2023
Journal of marine research and technology Reviewed Papers for Journals Impact Factor: Nil	2022
Reviewed Papers for Journals Impact Factor: Not Applicable	2021
Reviewed Papers for Journals Impact Factor: Not Applicable	2021
Reviewed Papers for Journals Impact Factor: Not Applicable	2021
Reviewed Papers for Journals Impact Factor: Not Applicable	2021