

Mohsin Jameel

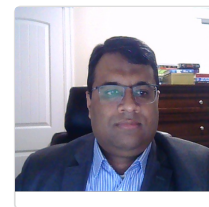
Assistant Professor

School of Mechanical & Manufacturing Engineering

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About

Dr. Mohsin Jameel is working as Assistant Professor in the School of Mechanical & Manufacturing Engineering. Dr. Mohsin Jameel has a PhD in Control Systems and Power Electronics. Dr. Mohsin Jameel has published 89 research articles & conference papers having a citation count of 1430, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Control Systems and Power Electronics University of Southampton , United Kingdom	2008 - 2011
MSc in Automation and Control Engineering National University of Singapore , Singapore	2005 - 2008
MSc in Mechatronics Dalarna University College , Sweden	2005 - 2006
BE in Industrial Electronics NED UET Karachi , Pakistan	2004 - 2004

Experience

Assistant Professor School of Mechanical & Manufacturing Engineering	2023- Present
Assistant Professor School of Mechanical & Manufacturing Engineering	2017 - 2017
Assistant Professor School of Mechanical & Manufacturing Engineering	2017 - 2015
Assistant Professor School of Mechanical & Manufacturing Engineering	2015 - 2012
Assistant Professor School of Mechanical & Manufacturing Engineering	2012 - 2017
Assistant Professor School of Mechanical & Manufacturing Engineering	2012 - 2017
Trainee Engineer Master Textile Mills Lahore , Lahore	2005 - 2005

Research Projects

National Projects	
Automatic and Adaptive Control System for Improved Myoelectric Control Funding Agency: HEC Amount: PKR 15,000,000.00 Status: Completed	2019

International Projects

Research Articles

Stacked Bin Convolutional Neural Networks based Sparse Low-Rank Regressor: Robust, Scalable and Novel Model for Memorability Prediction of Videos	2023
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<i>Hasnain Ali Syed Omer Gilani Muhammad Jawad Khan Mohsin Jameel Muazzam Khan Khattak</i> <i>Multimedia Tools and Applications</i> , Pages 1-19 Impact Factor: 2.577 Quartile: 2 Citations: 1 DOI: 10.1007/s11042-023-15128-z	
Effective Voting Ensemble of Homogenous Ensembling with Multiple Attribute-Selection Approaches for Improved Identification of Thyroid Disorder <i>Tehseen Akhtar Saad Arif Syed Omer Gilani Zohaib Mushtaq Mohsin Jameel Yasar Ayaz Shahid Ikram Ullah Butt Asim Waris</i> <i>Electronics</i> , Volume 10(23), Article Number 3026 Impact Factor: 2.690 Quartile: 3 Citations: 23 DOI: 10.3390/electronics10233026	2021
Predicting Risk of Antenatal Depression and Anxiety Using Multi-Layer Perceptrons and Support Vector Machines <i>Fajar Javed Syed Omer Gilani Seemab Latif Asim Waris Mohsin Jamil Ahmed Waqas</i> <i>Journal of Personalized Medicine</i> , Volume 11(3), Article Number 199 Impact Factor: 4.433 Quartile: 1 Citations: 20 DOI: https://doi.org/10.3390/jpm11030199	2021
Evaluation of windowing techniques for intramuscular EMG-based diagnostic, rehabilitative and assistive devices <i>Asim Waris Syed Omer Gilani Mohsin Jamil Amer Sohail Kashif Hassan Ashraf Mads Jochumsen Imran Khan Niazi</i> <i>Journal of Neural Engineering</i> , Volume 18, Article Number 016017 Impact Factor: 5.043 Quartile: 2 Citations: 13 DOI: 10.1088/1741-2552/abcc7f	2021
Leveraging ANN and LDA Classifiers for Characterizing Different Hand Movements Using EMG Signals <i>Bushra Saeed Muhammad Zia-ur-Rehman, Syed Omer Gilani Faisal Amin Muhammad Shafique Asim Waris Mohsin Jamil</i> <i>Arabian Journal for Science and Engineering</i> , Pages 1-9 Impact Factor: 2.334 Quartile: 3 Citations: 31 DOI: 10.1007/s13369-020-05044-x	2020
Brain Tumour Image Segmentation Using Deep Networks <i>Syed Omer Gilani Asim Waris Kashan Zafar Mahnoor Ali Mohsin Jamil</i> <i>IEEE Access</i> , Volume 8, Pages 153589-153598 Impact Factor: 3.367 Quartile: 2 Citations: 105 DOI: 10.1109/ACCESS.2020.3018160	2020
Determination of Optimum Segmentation Schemes for Pattern Recognition Based Myoelectric Control: A Multi-Dataset Investigation <i>Asim Waris Syed Omer Gilani Mohsin Jamil Hassan Ashraf Imran Khan Niazi Ernest Nlandu Kamavuako Hammad Nazir Gillani</i> <i>IEEE Access</i> , Volume 8, Pages 90862-90877 Impact Factor: 3.367 Quartile: 2 Citations: 21 DOI: 10.1109/ACCESS.2020.2994829	2020
Impact of an Energy Monitoring System on the Energy Efficiency of an Automobile Factory: A Case Study <i>Mohsin Jamil Syed Omer Gilani Asif Ur Rehman Tehseen Akhtar</i> <i>Energies</i> , Volume 13(10), Article Number 2577 Impact Factor: 3.004 Quartile: 3 Citations: 12 DOI: https://doi.org/10.3390/en13102577	2020
Photo detector-based indoor positioning systems variants: A new look <i>Mohsin Jamil Syed Omer Gilani Muhammad Nasir Khan Ishtiaq Ahmad Hammad Omer Muhammad Uzair</i> <i>Computers & Electrical Engineering</i> , Volume 83, Article Number 106607 Impact Factor: 3.818 Quartile: 2 Citations: 10 DOI: 10.1016/j.compeleceng.2020.106607	2020
Performance Evaluation of Convolutional Neural Network for Hand Gesture Recognition Using EMG <i>Asim Waris Syed Omer Gilani Ali Raza Asif Mohsin Jamil Hassan Ashraf Muhammad Shafique Imran Khan Niazi</i> <i>Sensors</i> , Volume 20(6), Article Number 1642 Impact Factor: 3.576 Quartile: 1 Citations: 117 DOI: https://doi.org/10.3390/s20061642	2020
Design of Robust Higher-Order Repetitive Controller Using Phase Lead Compensator	2020

<i>Asim Waris Khawaja Bilal Ahmed Mahmood Muhammad Nasir Khan Ali Raza Mohsin Jamil Syed Omer Gilani</i> <i>IEEE Access</i> , Volume: 8, Pages 30603-30614 Impact Factor: 3.367 Quartile: 2 Citations: 31 DOI: DOI: 10.1109/ACCESS.2020.2973168	
Ultra-wideband antenna for wearable Internet of Things devices and wireless body area network applications <i>Muhammad Mustaqim Khawaja Bilal Ahmed Mahmood Hassan T. Chattha Kinza Shafique Muhammad J. Zafar Mohsin Jamil</i> <i>International Journal of Numerical Modelling</i>, Volume: 32, Issue: 6, Special Issue: SI, Article Number: e2590 Impact Factor: 0.833 Quartile: 4 Citations: 36 DOI: https://doi.org/10.1002/jnm.2590	2019
A no-reference framework for evaluating video quality streamed through wireless network <i>Muhammad Uzair Robert D. Dony Mohsin Jamil Bilal Ahmad Khawaja Muhammad Nasir Khan</i> <i>Turkish Journal of Electrical Engineering and Computer Sciences</i>, Volume: 27, Issue: 5, Pages: 3383-3399 Impact Factor: 0.682 Quartile: 4 DOI: 10.3906/elk-1811-173	2019
Optimal Power Flow and Unified Control Strategy for Multi-Terminal HVDC Systems <i>Syed Omer Gilani Ali Raza Ali Mustafa Kumars Rouzbehi Mohsin Jameel Ghulam Abbas UMAR FAROOQ MUHAMMAD NAEEM SHEHZAD</i> <i>IEEE Access</i> , Volume 7, Pages 92642-92650 Impact Factor: 3.745 Quartile: 1 Citations: 21 DOI: 10.1109/ACCESS.2019.2925049	2019
Efficient Energy Utilization in Wireless Sensor Networks: An Algorithm <i>Syed Omer Gilani Mohsin Jamil M. N. Khan A. Shahzad A. Raza</i> <i>3C Tecnología</i> , Issue: SI, Pages: 135-146 Impact Factor: 0 DOI: http://dx.doi.org/10.17993/3ctecno.2019.specialissue.12	2019
Automated Classification of Retinal Diseases in STARE Database <i>Syed Omer Gilani Adeeb Shahzad Mohsin Jamil Tooba Sumbal Mushtaq Asim Waris</i> <i>Gyancity Journal of Engineering and Technology</i>, Vol.5, No.1, Pages 16-25 Impact Factor: - Citations: 4 DOI: 10.1109/CCECE.2019.8861588	2019
Multi-objective optimization of VSC stations in multi-terminal VSC-HVDC grids, based on PSO <i>Ali Raza Zain Yousaf Mohsin Jamil Syed Omer Gilani Ghulam Abbass Muhammad Uzair Saima Shaheen Benrabah Abdeldjabar Li Fajun</i> <i>IEEE Access</i> , Volume: 6, Page(s): 62995-63004 Impact Factor: 4.098 Quartile: 1 Citations: 34 DOI: 10.1109/ACCESS.2018.2875972	2018
Classification of overt and covert speech for near-infrared spectroscopy-based brain computer interface <i>Ernest Nlandu Kamavuako Usman Ayub Sheikh Syed Omer Gilani Mohsin Jamil Imran Khan Niazi</i> <i>Sensors</i> , Volume 18 Issue 9 10.3390/s18092989 Impact Factor: 3.031 Quartile: 1 DOI: 10.3390/s18092989.	2018
Multiday Evaluation of Techniques for EMG Based Classification of Hand Motions <i>Asim Waris Imran K. Niazi Mohsin Jamil Kevin Englehart Winnie Jensen Ernest N. Kamavuako</i> <i>IEEE Journal of Biomedical and Health Informatics</i>, NULL Impact Factor: 4.217 Quartile: 1 Citations: 105 DOI: 10.1109/JBHI.2018.2864335	2018
Multiday EMG-based classification of hand motions with deep learning techniques <i>Muhammad Zia-ur-Rehman Asim Waris Dr. Syed Omer Gilani Dr. Mohsin Jamil Mads Jochumsen Imran Khan Niazi Dario Farina Ernest Nlandu Kamavuako</i> <i>Sensors</i> , Volume 18 Issue 8 Impact Factor: 3.031 Quartile: 1 Citations: 177 DOI: https://doi.org/10.3390/s18082497	2018
A Compact Rectenna System With High Conversion Efficiency for Wireless Energy Harvesting <i>Qasim Awais Yang Jin Hassan Tariq Chattha Mohsin Jamil He Giang Bilal Ahmad Khawaja</i> <i>IEEE Access</i> , Volume: 6, Pages: 35857-35866 Impact Factor: 4.098 Quartile: 1 Citations: 127	2018

DOI: DOI:10.1109/ACCESS.2018.2848907

The Effect of Time on EMG classification of hand motions in able-bodied and transradial amputees 2018

Asim Waris Mohsin Jamil Syed Omer Gilani Imran khan Niazi Kevin Englehart Winnie Jensen Ernest Nlandu Kamavuako Muhammad Shafique
Journal of Electromyography and Kinesiology, Volume 40, June 2018, Pages 72-80

Impact Factor: 1.753 | **Quartile:** 2 | **Citations:** 48

DOI: 10.1016/j.jelekin.2018.04.004

Maximizing throughput of hybrid FSO-RF communication system: An algorithm 2018

Mohsin Jamil ABDUL RAFAY QASIM AWAIS Bilal Ahmed Khawaja MUHAMMAD UZAIR ABDUL WAHEED MALIK Muhammad Nasir Khan Syed Omer Gilani

IEEE Access, Volume: 6, Page(s): 30039-30048

Impact Factor: 4.098 | **Quartile:** 1 | **Citations:** 34

DOI: 10.1109/ACCESS.2018.2840535

H.264 encoder parameter optimization for encoded wireless multimedia transmissions, 2018

HAMMAD HASSAN SYED OMER GILANI MOHSIN JAMIL HASAN MAQBOOL ABDUL WAHEED MALIK ISHTIAQ AHMAD
IEEE Access, Volume: 6, Page(s): 22046-22053

Impact Factor: 4.098 | **Quartile:** 1 | **Citations:** 21

DOI: 10.1109/ACCESS.2018.2824835

Multi antenna systems for 5g mobile phones 2018

Muhammad Nasir Khan Syed O. Gillani, Mohsin Jamil Tarbia Iftikhar
International Journal of Electrical and Information Engineering, NULL

Impact Factor: -

DOI: 10.5281/zenodo.1316426

An appraisal of nodules detection techniques for lung cancer in CT images 2018

Muhammad Zia ur Rehman Muzzamil Javaid Syed Iteza Ali Shah Shahid Ikramullah Butt Syed Omer Gilani Mohsin Jamil
Biomedical Signal Processing and Control, Volume 41, Pages 140-151

Impact Factor: 2.943 | **Quartile:** 2 | **Citations:** 50

DOI: <https://doi.org/10.1016/j.bspc.2017.11.017>

A protection scheme for multi-terminal vsc-hvdc transmission systems 2017

Ali Raza Amin Akhtar Mohsin Jamil Syed Omer Gilani Muhammad Nasir Khan GHULAM ABBAS LIU YUCHAO TAHIR IZHAR XU DIANGUO BARRY W. WILLIAMS

IEEE Access, Volume: 6, Page(s): 3159 - 3166

Impact Factor: 3.557 | **Quartile:** 1 | **Citations:** 62

DOI: 10.1109/ACCESS.2017.2787485

Prevalence of Early Childhood Caries and associated Risk Factors from 1 to 12 years Old Children 2017

Sadia Ghazal Mohsin Jamil Syed Omer Gilani Talha Ashar
International Journal of u- and e- Service, Science and Technology (IJUNESST), Volume 10, No. 10, Pages 13-22

Impact Factor: -

DOI: <http://dx.doi.org/10.14257/ijunesst.2017.10.10.02>

Arthritis Identification from Multiple Regions by X-Ray Image Processing 2017

Hunza Hayat Syed Omer Gilani Mohsin Jamil
International Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP), Vol. 10, No. 11, Pages 23-32

Impact Factor: -

DOI: <http://dx.doi.org/10.14257/ijcip.2017.10.11.03>

Power dispatch and voltage control in multiterminal hvdc systems: A flexible approach 2017

Ali Raza Mohsin Jamil Syed Omer Gilani YUCHAO LIU KUMARS ROUZBEHI XU DIANGUO BARRY W. WILLIAMS
IEEE Access, Volume: 5, Pages 24608-24616

Impact Factor: 3.557 | **Quartile:** 1 | **Citations:** 35

DOI: 10.1109/ACCESS.2017.2766161

Effectiveness of a Lytic Phage SRG1 against Vancomycin-Resistant Enterococcus faecalis in Compost and Soil 2017

Sidra Rahmat Ullah Taskeen Raza Saadia Andleeb Muhsin Jamal Khalid Mehmood
BioMed Research International, NULL

Impact Factor: 2.583 | **Quartile:** 2 | **Citations:** 18

DOI: 10.1155/2017/9351017

Optimizing Availability of a Framework in Series Configuration Utilizing Markov Model and Monte Carlo Simulation Techniques <i>Shahid Ikramullah Butt Mansoor Ahmed Siddiqui Omer Gilani Mohsin Gilani Adnan Maqsood Faping Zhang</i> <i>Symmetry</i> , Volume 9, Pages 1-14, 22, Issue 7 Impact Factor: 1.256 Quartile: 2 Citations: 3 DOI: 10.3390/sym9070096	2017
Development of Long Range Radio Control System for an Unmanned Disaster Relief Helicopter <i>Umair Iqbal Usman Rashid Syed Irtiza Ali Shah Mohsin Jamil Yasar Ayaz</i> <i>Science, Technology and Development</i> , Volume 36(2), Pages 128-137 Impact Factor: - DOI: DOI:10.3923/std.2017.128.137	2017
Adaptive hybrid free space optical/radio frequency communication system <i>Muhammad Nasir Khan Mohsin Jamil</i> <i>Telecommunication Systems</i> , Volume 65, Issue 1, Pages 117-126 Impact Factor: 1.527 Quartile: 3 Citations: 26 DOI: doi:10.1007/s11235-016-0217-8	2017
Intelligent Machine Vision based Modeling and Positioning System in Sand Casting Process <i>Umar Mushtaq Mohsin Jamil Muhammad Kamal Amjad Shahid Ikramullah Butt Umer Asgher Riaz Ahmad Faping Zhang Yasar Ayaz</i> <i>Advances in Materials Science and Engineering</i> , Volume 2017, Article Number 3192672 Impact Factor: 1.372 Quartile: 3 Citations: 10 DOI: DOI:10.1155/2017/3192672	2017
Design and Comparison of PID and Proportional Resonant Controllers for Matrix Converter <i>M. Arifeen Ali Mohsin Jamil Raheel Afzal Asad Nawaz Gussan Mufti Muhammad Zubair Syed Omer Gilani</i> <i>Indian Journal of Science and Technology</i> , Volume 10(5), Pages 1-6 Impact Factor: - DOI: DOI:10.17485/ijst/2017/v10i5/111269	2017
Prototype development to detect electric theft using PIC18F452 microcontroller <i>Saad Bin Yousaf Mohsin Jamil Muhammad Zia ur Rehman Asif Hassan Syed Omer Gilani</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 46, Pages 1-5 Impact Factor: - Citations: 5 DOI: doi:10.17485/ijst/2016/v9i46/106909	2016
Design and Analysis of a Three Level Neutral Point Clamped Fuel Cell based Grid Connected Inverter <i>Gussan Maaz Mufti Mohsin Jamil Syed Zulqadar Hassan Tariq Kamal</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 36, Pages 1-6 Impact Factor: - DOI: DOI:10.17485/ijst/2016/v9i36/102148	2016
Evaluating the Issues and Challenges in Context of the Energy Crisis of Pakistan <i>Gussan Maaz Mufti Mohsin Jamil Muddasar Nawaz Mobeen-ur-Rehman Syed Zulqadar Hassan Tariq Kamal</i> <i>Indian Journal of Science and Technology</i> , Volume 9(36), Pages 1-7 Impact Factor: - DOI: DOI:10.17485/ijst/2016/v9i36/102146	2016
Fuzzy logic controller for boiler temperature control using labview and matlab <i>Saad Afzal Mohsin Jamil Asim Waris Shahid Ikramullah Butt Gussan Mufti</i> <i>International Journal of Control and Automation</i> , Volume 9, Issue 9, Pages 89-104 Impact Factor: - DOI: 10.14257/ijca.2016.9.9.10	2016
Improvement in ECG based biometric systems using Wavelet Packet Decomposition (WPD) algorithm <i>Zeeshan Hassan Syed Omer Gilani Mohsin Jamil</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 30, Pages 1-5 Impact Factor: - Citations: 1 DOI: doi:10.17485/ijst/2016/v9i30/97958	2016
Energy Optimization in Smart Homes Using Customer Preference and Dynamic Pricing <i>Muhammad Babar Rasheed Nadeem Javaid Ashfaq Ahmad Mohsin Jamil Zahoor Ali Khan Umar Qasim Nabil Alrajeh</i> <i>Energies</i> , Volume 9(8), Article Number 593 Impact Factor: 2.262 Quartile: 2 Citations: 46	2016

DOI: doi:10.3390/en9080593

Formal modelling of TCP congestion control mechanisms ECN/RED and SAP-LAW in the presence of UDP traffic

2016

Mazhar H. Malik Mohsin Jamil Muhammad N. Khan Mubasher H. Malik

EURASIP Journal on Wireless Communications and Networking, Volume 2016, Article Number 156

Impact Factor: 1.529 | **Quartile:** 3 | **Citations:** 9

DOI: doi:10.1186/s13638-016-0646-9

An Appraisal of the Advancement of Emerging Technologies in Hearing Aids

2016

Muhammad Zia-ur-Rehman Syed Irteza Ali Shah Syed Omer Gilani Mohsin Jamil Faisal Amin

Indian Journal of Science and Technology, Volume 9, Issue 25, Pages 1-6

Impact Factor: -

DOI: doi:10.17485/ijst/2016/v9i25/96607

Monocular Vision-based Signer-Independent Pakistani Sign Language Recognition System using Supervised Learning

2016

Habib Ahmed Syed Omer Gilani Mohsin Jamil Yasar Ayaz Syed Irteza Ali Shah

Indian Journal of Science and Technology, Volume 9, Issue 25, Pages 1-6

Impact Factor: - | **Citations:** 1

DOI: doi:10.17485/ijst/2016/v9i25/96615

A Robust Model Predictive Control for Balancing of an Inverted Pendulum

2016

Arbab Aimal Khan Mohsin Jamil Syed Omer Gilani Qasim Awais

Indian Journal of Science and Technology, Volume 9, Issue 25, Pages 1-7

Impact Factor: - | **Citations:** 3

DOI: doi:10.17485/ijst/2016/v9i25/96604

Design and Development of Optimal Control System for Quad Copter UAV

2016

Zaid Tahir Mohsin Jamil Saad Ali Liaqat Lubva Mubarak Waleed Tahir Syed Omer Gilani

Indian Journal of Science and Technology, Volume 9, Issue 25, Pages 1-11

Impact Factor: -

DOI: doi:10.17485/ijst/2016/v9i25/96611

State Space System Modeling of a Quad Copter UAV

2016

Zaid Tahir Mohsin Jamil Saad Ali Liaqat Lubva Mubarak Waleed Tahir Syed Omer Gilani

Indian Journal of Science and Technology, Volume 9(27), Pages 1-5

Impact Factor: -

DOI: DOI:10.17485/ijst/2016/v9i27/95239

Effect of Project Management Practices on Project Success in Make-to-Order Manufacturing Organizations

2016

Asim Waris Saad Afzal Mohsin Jamil Safia Sultana Faraz Tasweer Hussain

Indian Journal of Science and Technology, Vol 9, Issue 21, Pages 1-8

Impact Factor: - | **Citations:** 2

DOI: 10.17485/ijst/2016/v9i21/94818

Review of Fiducial and Non-Fiducial Techniques of Feature Extraction in ECG based Biometric Systems

2016

Zeeshan Hassan Syed Omer Gilani Mohsin Jamil

Indian Journal of Science and Technology, Volume 9, Issue 21, Pages 1-5

Impact Factor: - | **Citations:** 13

DOI: doi:10.17485/ijst/2016/v9i21/94841

Performance Improvement in Lifetime and Throughput of LEACH Protocol

2016

Muhammad Nasir Khan Mohsin Jamil

Indian Journal of Science and Technology, Volume 9, Issue 21, Pages 1-6,

Impact Factor: - | **Citations:** 7

DOI: doi:10.17485/ijst/2016/v9i21/94838

Jib System Control of Industrial Robotic Three Degree of Freedom Crane using a Hybrid Controller

2016

Muhammad Hamid Mohsin Jamil Syed Omer Gilani Shahid Ikramullah Butt Muhammad Nasir Khan Mazhar Hussain Malik Ishtiaq Ahmad

Indian Journal of Science and Technology, Volume 9, Issue 21, Pages 1-9

Impact Factor: - | **Citations:** 8

DOI: doi:10.17485/ijst/2016/v9i21/94813

Design and Analysis of Second Order Passive Filters for Grid Connected Inverter with Series and Parallel Damping Resistors <i>Raheel Afzal Mohsin Jamil Adeel Waqas Asad Nawaz M. Arifeen Ali Mazhar Hussain Mailk</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 21, Pages 1-5 Impact Factor: - Citations: 6 DOI: doi:10.17485/ijst/2016/v9i21/94820	2016
Modal Analysis of Ship's Mast Structure using Effective Mass Participation Factor <i>Muhammad Sajjad Ahmad Mohsin Jamil Javid Iqbal Muhammad Nasir Khan Mazhar Hussain Malik Shahid Ikramullah Butt</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 21, Pages 1-5 Impact Factor: - Citations: 7 DOI: doi:10.17485/ijst/2016/v9i21/94830	2016
Improvement in Stability of HVDC System by Optimizing PI Control Parameters in PSCAD <i>Aazim Rasool Mohsin Jamil Haaris Rasool Mansoor Asif M. Numan Ishtiaq Ahmad</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 21, Pages 1-6 Impact Factor: - Citations: 1 DOI: doi:10.17485/ijst/2016/v9i21/94825	2016
Design and Development of Experimental Hardware in Loop Model for the Study of Vibration Induced in Tall Structure with Active Control <i>Nauman Bashir Mohsin Jamil Asim Waris Muhammad Nasir Khan Mazhar Hussain Malik Shahid Ikramullah Butt</i> <i>Indian Journal of Science and Technology</i> , Volume 9, Issue 21, Pages 1-5 Impact Factor: - DOI: doi:10.17485/ijst/2016/v9i21/94829	2016
Adaptive thresholding technique for segmentation and juxtaepural nodules inclusion in lung segments <i>Muhammad Zia-ur-Rehman Syed Omer Gilani Syed Irteza Ali Shah Mohsin Jamil Irfanullah Shahid Ikramullah Butt</i> <i>International Journal of Bio-Science and Bio-Technology</i> , Volume 8, Issue 5, Pages 105-114 Impact Factor: - Citations: 13 DOI: doi:10.14257/ijbsbt.2016.8.5.10	2016
On Demand Routing using Local Spectrum Knowledge and Multi Edge Graph Model in Multi-Hop Cognitive Radio Network <i>Aqsa Khan Iqra Ghafoor Mazhar Hussain Malik Mubasher Hussain Malik Mohsin Jamil</i> <i>Science International</i> , Volume 28, Issue 2, Pages 1057-1062 Impact Factor: - DOI: -	2016
Design and analysis of optimal controllers for grid connected inverters for photovoltaic applications <i>Gussan Mufti Mohsin Jamil Raheel Afzal Muhammad Arifeen Ali Asim Waris</i> <i>International Journal of Control and Automation</i> , Volume 9, Issue 10, Pages 229-236 Impact Factor: - DOI: 10.14257/ijca.2016.9.10.22	2016
Saliency Based Object Detection and Enhancements Using Spectral Residual Approach in Static Images and Videos <i>Muhammad Shoaib Azam Syed Omer Gilani Mohsin Jamil Yasar Ayaz Muhammad Naveed Muhammad Nasir Khan</i> <i>Advanced Science Letters</i> , Volume 21, Number 12, Pages 3677-3679 Impact Factor: - DOI: DOI: http://dx.doi.org/10.1166/asl.2015.6567	2015
Modeling mobility and psychological stress based human postural changes in wireless body area networks <i>M.M. Sandhu N. Javaid M. Jamil Z.A. Khan M. Imran M. Ilahi M.A. Khan</i> <i>Computers in Human Behavior</i> , Volume 51, Pages 1042-1053, Part B Impact Factor: 2.880 Quartile: 1 Citations: 32 DOI: 10.1016/j.chb.2014.09.032	2015
Robust Repetitive Current Control of Two-Level Utility-Connected Converter using LCL Filter <i>Mohsin Jamil Usman Rashid Rizwan Arshad M. Nasir Khan Syed Omer Gilani Yasar Ayaz</i> <i>Arabian Journal for Science and Engineering</i> , Volume 40, Issue 9, Pages 2653-2670 Impact Factor: 0.728 Quartile: 3 Citations: 7 DOI: DOI:10.1007/s13369-015-1759-x	2015

Two Level Voltage Source Grid Connected Inverter for Solar Photovoltaic System <i>Gussan Maaz Mufti Mohsin Jamil Adeel Waqas Muhammad Umer Ali</i> <i>International Journal of Control and Automation</i> , Volume 8, No.10, Pages 391-398 Impact Factor: - DOI: http://dx.doi.org/10.14257/ijca.2015.8.10.35	2015
Analysis of Classical Controller by Variation of Innerloop and Controller Gain for Two-level Grid-connected Converter <i>Shahab Shahid Khawaja Mohsin Jamil Qasim Awais Umer Asgher Yasar Ayaz</i> <i>Indian Journal of Science and Technology</i> , Volume 8(20), Pages 1-7 Impact Factor: - Citations: 3 DOI: doi:10.17485/ijst/2015/v8i20/78481	2015
Modeling Routing Overhead of Reactive Protocols at Link Layer and Network Layer in Wireless Multihop Networks <i>N. Javaid Z. A. Khan U. Qasim Mohsin Jamil M. Ishfaq T. A. Alghamdi</i> <i>Mathematical Problems in Engineering</i> , Volume 2015, Article Number:105245 Impact Factor: 0.644 Quartile: 3 Citations: 7 DOI: https://doi.org/10.1155/2015/105245	2015
Iterative Linear Quadratic Regulator (ILQR) Controller for Trolley Position Control of Quanser 3DOF Crane <i>Muhammad Faisal Mohsin Jamil Qasim Awais Usman Rashid Muhammad Sami Syed Omer Gilani Yasar Ayaz Muhammad Nasir Khan</i> <i>Indian Journal of Science and Technology</i> , Volume 8(16), IPL064, Pages 1-7 Impact Factor: - DOI: DOI:10.17485/ijst/2015/v8i16/75369	2015
A Novel Dual-Loop Control Scheme for Payload Anti-Swing and Trolley Position of Industrial Robotic 3DOF Crane <i>Muhammad Faisal Mohsin Jamil Usman Rashid Syed Omer Gilani Yasar Ayaz Muhammad Nasir Khan</i> <i>Applied Mechanics and Materials</i> , Volumes 789-790, Pages 658-664 Impact Factor: - DOI: DOI:10.4028/www.scientific.net/AMM.789-790.658	2015
Collaborative Optimal Reciprocal Collision Avoidance for Mobile Robots <i>Shehryar Ali Khan Yasar Ayaz Mohsin Jamil Syed Omer Gillani Muhammad Naveed Ahmed Hussain Qureshi Dr. Khawaja Fahad Iqbal</i> <i>International Journal of Control and Automation</i> , Volume 8, No.8, Pages 203-212 Impact Factor: - DOI: http://dx.doi.org/10.14257/ijca.2015.8.8.21	2015
Comparative analysis of classifiers for developing an adaptive computer assisted EEG analysis system for diagnosing epilepsy <i>Malik Anas Ahmad Yasar Ayaz Mohsin Jamil Syed Omer Gillani Muhammad Babar Rasheed Muhammad Imran Nadeem Ahmed Khan Waqas Majeed Nadeem Javaid</i> <i>BioMed Research International</i> , Volume 2015, Article ID 638036, 14 pages Impact Factor: 2.134 Quartile: 3 Citations: 13 DOI: http://dx.doi.org/10.1155/2015/638036	2015
Improved method for stereo vision-based human detection for a mobile robot following a target person <i>Badar Ali Yasar Ayaz Mohsin Jamil Syed Omer Gilani Naveed Muhammad</i> <i>South African Journal of Industrial Engineering</i> , Volume 26, Issue 1, Pages 102-119 Impact Factor: 0.188 Quartile: 4 DOI: -	2015
Motor Imagery Based EEG Signal Classification using Self Organizing Maps <i>Muhammad Zeeshan Baig Yasar Ayaz Syed Omer Gillani Mohsin Jamil Muhammad Naveed</i> <i>Science International (Lahore)</i> , Volume 27(2), Pages 1165-1170 Impact Factor: - DOI: -	2015
Selection of Unmanned Aerial System (UAS) for Disaster Relief Operations: A Comparison <i>Umair Iqbal Syed Iteza Ali Shah Mohsin Jamil Syed Omer Gillani Yasar Ayaz</i> <i>Science International (Lahore)</i> , Volume 27(4), Pages 3199-3203 Impact Factor: N/A	2015

DOI: -

Optimal Control based Intelligent Controller for Active Suspension System	2013
<i>Mohsin Jamil Asad Asghar Janjua Iqra Rafique Shahid Ikramullah Butt Yasar Ayaz Syed Omer Gilani</i>	
<i>Life Science Journal</i> , Volume 10, Issue SPL.ISSUE12, Pages 653-659	
Impact Factor: 0	
DOI: 105_21625blife1012s_653_659	

Conference Proceedings

Predicting Episodic Video Memorability using Deep Features Fusion Strategy	2022
<i>Hasnain Ali Syed Omer Gilani Muhammad Jawad Khan Muhammad Asim Waris Moazzam Khan Khattak Mohsin Jamil</i>	
<i>2022 IEEE/ACIS 20th International Conference on Software Engineering Research, Management and Applications (SERA)</i> , res.country(233,)	
Citations: 2	
DOI: 10.1109/SERA54885.2022.9806761	
Comparative Analysis of Classifiers for EMG Signals	2019
<i>Syed Omer Gilani Bushra Saeed Zia ur Rehman MOHSIN JAMEEL Asim Waris Muhammad Nasir Khan</i>	
<i>2019 IEEE Canadian Conference of Electrical and Computer Engineering (CCECE)</i> , res.country(38,)	
Citations: 9	
DOI: 10.1109/CCECE.2019.8861835	
Power line noise removal from ECG signal using notch, band stop and adaptive filters	2018
<i>Syed Omer Gilani Yasir Ilyas Mohsin Jameel</i>	
<i>International Conference on Electronics, Information and Communication, ICEIC 2018</i> , res.country(233,)	
Citations: 16	
DOI: 10.23919/ELINFOCOM.2018.8330569	
Automated Scene Analysis by Image Feature Extraction	2016
<i>Syed Omer Gilani Mohsin Jameel Zahra Fazal Muhammad Samran Naveed Rabiul Sakina</i>	
<i>Proceedings - 2016 IEEE 14th International Conference on Dependable, Autonomic and Secure Computing, DASC 2016, 2016 IEEE 14th International Conference on Pervasive Intelligence and Computing, PICom 2016, 2016 IEEE 2nd International Conference on Big Data Intelligence and Computing, DataCom 2016 and 2016 IEEE Cyber Science and Technology Congress, CyberSciTech 2016, DASC-PICom-DataCom-CyberSciTech 2016</i> , res.country(170,)	
Citations: 1	
DOI: 10.1109/DASC-PICom-DataCom-CyberSciTec.2016.102	
Text Detection and Recognition for Semantic Mapping in Indoor Navigation	2015
<i>Muhammad Sami Yasar Ayaz Mohsin Jameel Syed Omer Gilani Muhammad Naveed</i>	
<i>5th IEEE International Conference on IT Convergence and Security (ICITCS)</i> , res.country(157,)	
Citations: N/A	
DOI: 10.1109/ICITCS.2015.7293024	
Design and analysis of repetitive controllers for grid connected inverter considering plant bandwidth for interfacing renewable energy sources	2014
<i>Mohsin Jamil Rizwan Arshad Usman Rashid Yasar Ayaz Muhammad Nasir Khan</i>	
<i>2014 International Conference on Renewable Energy Research and Application (ICRERA)</i> , res.country(233,)	
Citations: N/A	
DOI: 10.1109/ICRERA.2014.7016429	
Design and implementation of low cost remote-operated unmanned ground vehicle (UGV)	2014
<i>Zain Murtaza Noaman Mehmood Mohsin Jamil Yasar Ayaz</i>	
<i>2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE)</i> , res.country(177,)	
Citations: N/A	
DOI: 10.1109/iCREATE.2014.6828335	
A comparison of various robotic control architectures for autonomous navigation of mobile robots	2014
<i>Usman Ayub Sheikh Mohsin Jamil Yasar Ayaz</i>	
<i>2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE)</i> , res.country(177,)	
Citations: N/A	
DOI: 10.1109/iCREATE.2014.6828372	
Development of low cost radio range testing system for unmanned disaster relief helicopter	2014
<i>Umair Iqbal Syed Irtiza Ali Shah Fazl-e-Umer Mohsin Jamil Yasar Ayaz</i>	
<i>2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE)</i> , res.country(177,)	

- Citations:** N/A
DOI: 10.1109/iCREATE.2014.6828375
- Centre of mass avoidance planner using radius of gyration for Reciprocal Velocity Obstacles** 2014
Shahwar Yaseen Yasar Ayaz Khawaja Fahad Iqbal Naveed Muhammad Syed Omer Gilani Mohsin Jamil Syed Irtiza Ali Shah
2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE), res.country(177,)
Citations: N/A
DOI: 10.1109/iCREATE.2014.6828351
- Modeling, control of a two-wheeled self-balancing robot** 2014
Osama Jamil Mohsin Jamil Yasar Ayaz Khubab Ahmad
2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE), res.country(177,)
Citations: N/A
DOI: 10.1109/iCREATE.2014.6828364
- Developments in adaptive control techniques for machine tools** 2014
Faheem Ijaz Nouman Mehmood Mohsin Jamil Yasar Ayaz
2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE), res.country(177,)
Citations: N/A
DOI: 10.1109/iCREATE.2014.6828363
- Face and eye detection in images using skin color segmentation and circular hough transform** 2014
Muhammad Affan Zia Umer Ansari Mohsin Jamil Syed Omer Gilani Yasar Ayaz
2014 International Conference on Robotics and Emerging Allied Technologies in Engineering (iCREATE), res.country(177,)
Citations: N/A
DOI: 10.1109/iCREATE.2014.6828367
- Classification of Left/Right Hand Movement from EEG Signal by Intelligent Algorithms** 2014
Muhammad Zeeshan Baig Ehtasham Javed Yasar Ayaz Waseem Afzal Syed Omer Gilani Muhammad Naveed Mohsin Jamil
2014 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE), res.country(177,)
Citations: 10
DOI: 10.1109/ISCAIE.2014.7010230
- Human tracking by a mobile robot using 3D features** 2013
Badar Ali Ahmed Hussain Qureshi Khawaja Fahad Iqbal Yasar Ayaz Syed Omer Gilani Mohsin Jamil Naveed Muhammad Faizan Ahmed Mannan Saeed
Muhammad Whoi-Yul Kim Moonsoo Ra
2013 IEEE International Conference on Robotics and Biomimetics (ROBIO), res.country(48,)
Citations: 6
DOI: 10.1109/ROBIO.2013.6739841

Book Chapters

- Designing pid controller based semi-active suspension system using matlab simulink** 2018
Mohsin Jamil Salman Zafar Syed Omer Gilani
 In: *Smart Societies, Infrastructure, Technologies and Applications,,* Pages 1-17
Citations: 7
DOI: https://doi.org/10.1007/978-3-319-94180-6_27