

Muhammad Umar Masood

Lab Engineer

College of Electrical & Mechanical Engineering

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About

Dr. Muhammad Umar Masood is working as Lab Engineer in the College of Electrical & Mechanical Engineering. Dr. Muhammad Umar Masood has published 8 research articles & conference papers having a citation count of 38, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS in Robotics And Automation NUST, Islamabad , Pakistan	2016 - 2018
BE in Mechatronics NUST, Islamabad , Pakistan	2011 - 2015

Experience

Lab Engineer College of Electrical & Mechanical Engineering	2020- Present
Lab Engineer College of Electrical & Mechanical Engineering	2015 - 2020
	- Present

Professional Memberships

PEC	Since 2016
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Research Articles

Surface roughness effects on electromechanical performance of RF-MEMS capacitive switches <i>Muhammad Mubasher Saleem Hamid Nawaz Muhammad Umar Masood Javaid Iqbal Muhammad Zubair</i> <i>Microelectronics Reliability</i> , Volume 104, Pages 113544 Impact Factor: 1.589 Quartile: 3 Citations: 20 DOI: https://doi.org/10.1016/j.microrel.2019.113544	2020
Design, closed-form modeling and analysis of SU-8 based electrothermal microgripper for biomedical applications <i>Muhammad Mubasher Saleem Umar Shahbaz Khan Amir Hamza Muhammad Umar Masood</i> <i>Microsystem Technologies</i> , Volume 25, pages 1171–1184 Impact Factor: 1.737 Quartile: 3 Citations: 18 DOI: 10.1007/s00542-018-4059-z	2019

- Modeling and FEM Verification of Surface-Roughness Effect on the Static Response of RF-MEMS Switches** 2019
Hamid Nawaz Muhammad Mubasher Saleem Muhammad Umar Masood
16th International Multi-Conference on Systems, Signals & Devices (SSD), res.country(224,)
Citations: N/A
DOI: N/A
- Design of an Electrothermally Actuated SU-8 Based Microgripper for Biomedical Applications** 2018
Muhammad Zaeem Abbas Muhammad Umar Masood Muhammad Mubasher Saleem Muhammad Fahad Sheikh
2018 3rd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS) , res.country(197,)
Citations: N/A
DOI: 10.1109/ACIRS.2018.8467238
- Design and Experimental Testing of an In-Parallel Actuated 3 DOF Serial Robotic Manipulator for Unmanned Ground Vehicle** 2018
Muhammad Umar Masood Muhammad Mujtaba Muhammad Ahsan Sami Nasir Rashid Javaid Iqbal
2018 3rd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS), res.country(197,)
Citations: N/A
DOI: 10.1109/ACIRS.2018.8467220
- Object tracking with a robotic manipulator mounted on ground vehicle using Image Based Visual Servoing** 2017
Muhammad Ahsan Sami Muhammad Umar Masood Muhammad Waqar Muhammad Mujtaba Abraham Ali Shah Adnan Shujah Nasir Rashid Mohsin I. Tiwana Javaid Iqbal
17th International Conference on Control, Automation and Systems (ICCAS), res.country(121,)
Citations: N/A
DOI: 10.23919/ICCAS.2017.8204442
- Design and development of a semi-autonomous stair climbing robotic platform for rough terrains** 2017
Nasir Rashid Muhammad Umar Masood Muhammad Ahsan Sami Haris Sohail Muhammad Mujtaba Muhammad Abubakar Siddique Hashir Akram Nasir Rashid Mohsin I. Tiwana Javaid Iqbal
17th International Conference on Control, Automation and Systems (ICCAS), res.country(121,)
Citations: N/A
DOI: 10.23919/ICCAS.2017.8204443
- Development of FPGA-based System for Control of an Unmanned Ground Vehicle with 5-DOF Robotic Arm** 2015
Nasir Rashid Mohsin islam tiwana Javaid Iqbal Muhammad Umar Masood Abdullah Afaq Mohammad Ahmed Ahmed Kama1 Muhammad Shahzaib Asadullah Awan
2015 15th International Conference on Control, Automation and Systems (ICCAS), res.country(121,)
Citations: N/A
DOI: 10.1109/ICCAS.2015.7365015