

Muhammad Mubasher Saleem

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About

Dr. Muhammad Mubasher Saleem is working as Associate Professor in the College of Electrical & Mechanical Engineering. Dr. Muhammad Mubasher Saleem has a PhD in Microelectromechanical Systems. Dr. Muhammad Mubasher Saleem has published 59 research articles & conference papers having a citation count of 567, carried out 2 projects and filed 2 intellectual property.

Qualifications

PhD in Microelectromechanical Systems Polytechnic Institute of Turin , Italy	2012 - 2015
MSc in MEMS Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	2008 - 2010
BSc in Electric Machines UET Lahore , Pakistan	2004 - 2008

Experience

Associate Professor College of Electrical & Mechanical Engineering	2024- Present
Associate Professor College of Electrical & Mechanical Engineering	2023 - 2023
Associate Professor College of Electrical & Mechanical Engineering	2021 - 2018
Associate Professor College of Electrical & Mechanical Engineering	2021 - 2023
Assistant Professor College of Electrical & Mechanical Engineering	2018 - 2021
Assistant Professor College of Electrical & Mechanical Engineering	2015 - 2021
Assistant Professor College of Electrical & Mechanical Engineering	2015 - 2015
Associate Professor NUST , NUST H-12 Islamabad	2021 - 2022
Assistant Professor NUST , NUST H-12	2015 - 2021
Lecturer GIK Institute , Topi, Pakistan	2010 - 2012

Awards

School/College Best Researcher Awards-2021	2022
Best PhD Researcher Best PhD research thesis award for the year 2015	2015

Research Projects

National Projects

Development of Error Compensation Scheme for NEMS Accelerometer Funding Agency: NESCOM Amount: PKR 200,000.00 Status: Completed	2020
Development of High Performance and Reliable MEMs Inertial Sensors for UAVs Applications Funding Agency: HEC Amount: PKR 15,396,000.00 Status: Completed	2018

International Projects

Research Articles

Development of a Capacitive-Piezoelectric Tactile Force Sensor for Static and Dynamic Forces Measurement and Neural Network-Based Texture Discrimination <i>Maira Ehsan Mughal Muhammad Rehan Muhammad Mubasher Saleem Masood Ur Rehman Hamid Jabbar Rebecca Cheung</i> <i>IEEE Sensors Journal</i> , Volume:25, Issue:7, Pages 11944-11954 Impact Factor: 4.300 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1109/JSEN.2025.3542498	2025
Design of a novel tri-axis ZnO nanowires based piezoelectric accelerometer <i>Muhammad sohaib Khan Hassan Elahi Muhammad Mubasher Saleem Masood Ur Rehman Muhammad Abdullah Tayyab Mohsin Islam Tiwana</i> <i>PLoS ONE</i> , Volume 20, Issue 3, Article Number e0318069 Impact Factor: 2.900 Quartile: 1 DOI: https://doi.org/10.1371/journal.pone.0318069	2025
Sensorized laparoscopic surgical grasper with integrated capacitive force sensor for robot-assisted minimally invasive surgery <i>Muhammad Ameer Usman Muhammad Rehan Taimoor Shabbir Mohsin Islam Tiwana Amir Hamza Muhammad Mubasher Saleem</i> <i>Sensor Review</i> , Volume 45, No. 2, Pages 236-247 Impact Factor: 1.600 Quartile: 3 DOI: https://doi.org/10.1108/SR-09-2024-0765	2025
A high sensitivity, low cost and fully decoupled multi-axis capacitive tactile force sensor for robotic surgical systems <i>Sajid Hussain Muhammad Mubasher Saleem Muhammad Rehan Hassan Elahi Mohsin Islam Tiwana</i> <i>Plos One</i> , https://journals.plos.org/plosone/s/journal-information Impact Factor: 2.9 Quartile: 1 Citations: 2 DOI: doi.org/10.1371/journal.pone.0313737	2024
Experimental Verification of Coupling Strength on the Mode-Localization in Single MEMS DETF Resonators and Its Application as a Force Sensor <i>Masood Ur Rehman Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Shafaat Ahmed Bazaz Rebecca Cheung</i> <i>IEEE Transactions on Electron Devices</i> , Volume 71, Issue 7, Pages 4292-4299 Impact Factor: 2.900 Quartile: 2 Citations: 4 DOI: 10.1109/TED.2024.3405931	2024
A high-resolution and low-cost mesoscale tactile force sensor based on mode-localization effect and fabricated using rapid prototyping <i>Masood Ur Rehman Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung</i> <i>Sensors and Actuators A: Physical</i> , Volume:369, Article Number: 115140 Impact Factor: 4.6 Quartile: 1 Citations: 4 DOI: 10.1016/j.sna.2024.115140	2024
A novel framework for classification of two-class motor imagery EEG signals using logistic regression classification algorithm <i>Rabia Avais Khan Nasir Rashid Muhammad Shahzaib Umar Farooq Malik Arshia Arif Javaid Iqbal M Mubasher Saleem Umar Shahbaz Khan Mohsin Islam Tiwana</i> <i>PLOS ONE</i> , Volume 18(9), Article Number e0276133 Impact Factor: 3.7 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1371/journal.pone.0276133	2023

A high sensitivity and multi-axis fringing electric field based capacitive tactile force sensor for robot assisted surgery <i>Adeel Irshad Dr. Muhammad Mubashir Saleem Dr. Mohsin Islam Tiwana Hamood Ur Rahman Sohail Iqbal Rebecca Cheung</i> <i>Sensors and Actuators A: Physical</i> , Volume 354, Article Number: 114272 Impact Factor: 4.291 Quartile: 1 Citations: 23 DOI: 10.1016/j.sna.2023.114272	2023
Deep Learning Based Multiresponse Optimization Methodology for Dual-Axis MEMS Accelerometer <i>Fahad ul Hassan Asif Mattoo Tahir Habib Nawaz Muhammad Mubasher Saleem Umar Shahbaz Khan Amir Hamza</i> <i>Micromachines</i> , Volume 14, Issue 4, Article Number 817 Impact Factor: 3.523 Quartile: 2 Citations: 2 DOI: https://doi.org/10.3390/mi14040817	2023
Multi-criteria Handoff Decision making Algorithm for Seamless Mobility in Heterogenous Wireless Networks <i>Muhammad Wajid Khan Umar Shahbaz Khan Muhammad Mubasher Saleem Nasir Rashid</i> <i>Journal of Communications</i> , Volume 18, Issue 3, Pages 164-171 Impact Factor: N/A Citations: 4 DOI: 10.12720/jcm.18.3.164-171	2023
Design and Characterization of Three-Axis High Range Inductive Tactile Force Sensor Utilizing Magnetorheological Elastomer for Robotic Surgical Applications <i>Muhammad Abdullah Khalid Muhammad Mubasher Saleem Syed Ali Raza Bukhari Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung</i> <i>IEEE Sensors Journal</i> , Volume 23, Issue 1, Pages 247-255 Impact Factor: 4.325 Quartile: 1 Citations: 13 DOI: 10.1109/JSEN.2022.3222930	2023
Design, implementation, and testing of a hybrid thermal microactuator <i>Muhammad Owais Tariq Shafaat Ahmed Bazaz Jameel Ahmed Muhammad Mubasher Saleem</i> <i>IEEE Sensors Journal</i> , Volume: 22, Issue: 23, Pages:22438-22445 Impact Factor: 4.3 Quartile: 1 Citations: 2 DOI: 10.1109/JSEN.2022.3214657	2022
Design, Analysis and Experimental Investigation of Micro Piezoelectric Vibrational Energy Harvester with Enhanced Power Extraction at Low Frequency <i>Sohail Iqbal Muhammad Mubasher Saleem Rana Iqtidar Shakoor Muhammad Shahbaz</i> <i>International Journal of Precision Engineering and Manufacturing</i> , Pages 1-16 Impact Factor: 2.041 Quartile: 3 Citations: 2 DOI: 10.1007/s12541-022-00726-y	2022
Mixed Dimensional ZnO/WS₂ Piezo-gated Transistor with Active Millinewton Force Sensing <i>Yulin Geng Jing Xu Muhammad Ammar Bin Che Mahzan Peter Lomax Muhammad Mubasher Saleem Enrico Mastropaolo Rebecca Cheung</i> <i>ACS Applied Materials and Interfaces</i> , Volume 14, Issue 43, Pages 49026-49034 Impact Factor: 10.383 Quartile: 1 Citations: 7 DOI: https://doi.org/10.1021/acsami.2c15730	2022
A Soft Multi-Axis High Force Range Magnetic Tactile Sensor for Force Feedback in Robotic Surgical Systems <i>Muhammad Rehan Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung</i> <i>Sensors</i> , Volume 22, Issue 9, Article Number 3500 Impact Factor: 3.576 Quartile: 1 Citations: 42 DOI: https://doi.org/10.3390/s22093500	2022
Study of Notched MEMS Specimen: Elasto-Plastic Modeling and Experimental Testing <i>Aurelio Soma Francesca Pistorio Muhammad Mubasher Saleem</i> <i>Journal of Micromechanics and Microengineering</i> , Volume 32, Number 2, Article Number 025006 Impact Factor: 1.881 Quartile: 3 Citations: 3 DOI: https://doi.org/10.1088/1361-6439/ac42df	2022
A Systematic Design Optimization Approach for Multiphysics MEMS Devices Based on Combined Computer Experiments and Gaussian Process Modelling <i>Shayaan Saghir Muhammad Mubasher Saleem Amir Hamza Kashif Riaz Sohail Iqbal Rana Iqtidar Shakoor</i> <i>Sensors</i> , Volume 21(21), Article Number 7242 Impact Factor: 3.576 Quartile: 1 Citations: 6	2021

DOI: 10.3390/s21217242

- An efficient design of dual-axis MEMS accelerometer considering microfabrication process limitations and operating environment variations** 2021
Amir Hamza Rana Iqtidar Shakoor Muhammad Ahmad Raza Tahir Muhammad Mubasher Saleem Syed Ali Raza Bukhari
Microelectronics International , Volume 38, No. 4, Pages 144-156
Impact Factor: 0.758 | **Quartile:** 4 | **Citations:** 7
DOI: <https://doi.org/10.1108/MI-02-2021-0023>
- A Novel Design of High Resolution MEMS Gyroscope using Mode-Localization in Weakly Coupled Resonators** 2021
Syed Ali Raza Bukhari Muhammad Mubasher Saleem Amir Hamza Shafaat Ahmed Bazaz
IEEE Access , Volume: 9, Page(s):157597-157608
Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 16
DOI: 10.1109/ACCESS.2021.3123152
- Tunable and foldable paper-based passive electronic components and filter circuits** 2021
Muhammad Hamza Zulfiqar Aftab Alam Muhammad Mubasher Saleem Muhammad Zubair Muhammad Qasim Mehmood Kashif Riaz
Cellulose , Volume 28, Pages 9959-9970
Impact Factor: 6.123 | **Quartile:** 1
DOI: <https://doi.org/10.1007/s10570-021-04183-0>.
- Integration of ZnO nanorods with MOS capacitor for self-powered force sensors and nanogenerators** 2021
Yulin Geng Muhammad Ammar Bin Che Mahzan Karina Jeronimo Peter Lomax Enrico Mastropaolo Rebecca Cheung Muhammad Mubasher Saleem
Nanotechnology , Volume 32, Number 45, Article Number 455502
Impact Factor: 3.874 | **Quartile:** 2
DOI: <https://doi.org/10.1088/1361-6528/ac19d>
- Gradient-based impedance synthesis for breast and lung cancer cell screening deploying planar and nano-structured electrodes** 2021
Muhammad Awais Aslam Muhammad Mubasher Saleem Kashif Riaz
Medical and Biological Engineering and Computing, Pages 1-13
Impact Factor: 2.602 | **Quartile:** 2 | **Citations:** 5
DOI: <https://doi.org/10.1007/s11517-021-02382-2>
- Design and analysis of four-jaws microgripper with integrated thermal actuator and force sensor for biomedical applications** 2021
Rabia Saba Sohail Iqbal Rana Iqtidar Shakoor Muhammad Mubasher Saleem Shafaat Ahmed Bazaz
Review of Scientific Instruments , Volume 92, Issue 4, Article Number 045007
Impact Factor: 1.523 | **Quartile:** 3 | **Citations:** 14
DOI: 10.1063/5.0032404
- A Low-g MEMS Accelerometer with High Sensitivity, Low Nonlinearity and Large Dynamic Range Based on Mode-Localization of 3-DoF Weakly Coupled Resonators** 2021
Shayaan Saghir Syed Ali Raza Bukhari Rana Iqtidar Shakoor Shafaat Ahmed Bazaz Muhammad Mubasher Saleem Ameer Hamza
Micromachines , Volume 12(3), Article Number 310
Impact Factor: 2.891 | **Quartile:** 2 | **Citations:** 19
DOI: <https://doi.org/10.3390/mi12030310>
- A Dual-Mass Resonant MEMS Gyroscope Design with Electrostatic Tuning for Frequency Mismatch Compensation** 2021
Francesca Pistorio Muhammad Mubasher Saleem Aurelio Soma Francesca Pistorio Aurelio Soma
Applied Sciences , Volume 11(3), Article Number 1129
Impact Factor: 2.838 | **Quartile:** 2 | **Citations:** 25
DOI: <https://doi.org/10.3390/app11031129>
- Microfabrication Process-Driven Design, FEM Analysis and System Modeling of 3-DoF Drive Mode and 2-DoF Sense Mode Thermally Stable Non-Resonant MEMS Gyroscope** 2020
Umar Shahbaz Khan Ameer Hamza Javaid Iqbal Syed Ali Raza Bukhari Muhammad Mubasher Saleem Rana Iqtidar Shakoor
Micromachines , Volume 11, Issue 09, Article Number 862
Impact Factor: 2.891 | **Quartile:** 2 | **Citations:** 18
DOI: <https://doi.org/10.3390/mi11090862>
- Surface roughness effects on electromechanical performance of RF-MEMS capacitive switches** 2020
Muhammad Mubasher Saleem Hamid Nawaz Muhammad Umar Masood Javaid Iqbal Muhammad Zubair
Microelectronics Reliability , Volume 104, Pages 113544

Impact Factor: 1.589 Quartile: 3 Citations: 20 DOI: https://doi.org/10.1016/j.microrel.2019.113544	
Human Activity Recognition using 2D Skeleton Data and Supervised Machine Learning <i>Umar Shahbaz Khan Javaid Iqbal Nasir Rashid Muhammad Mubasher Saleem Sumaira Ghazal</i> <i>IET Image Processing</i> , Volume: 13, Issue: 13, Pages: 2572-2578 Impact Factor: 1.995 Quartile: 3 Citations: 40 DOI: 10.1049/iet-ipr.2019.0030	2019
Effect of environmental conditions and geometric parameters on the squeeze film damping in RF-MEMS switches <i>Syed Turab Haider Muhammad Mubasher Saleem Mashhood Ahmed</i> <i>Analog Integrated Circuits and Signal Processing</i> , Volume 100, pages 357–368 Impact Factor: 0.925 Quartile: 4 Citations: 5 DOI: 10.1007/s10470-018-1283-5	2019
Pull-in tests of MEMS specimens for characterization of elastic–plastic behavior <i>A. Soma Muhammad Mubasher Saleem B. Margesin M. Armando</i> <i>Microsystem Technologies</i> , Volume 25, Issue 7, Pages 2525-2533 Impact Factor: 1.737 Quartile: 3 Citations: 7 DOI: 10.1007/s00542-019-04396-1	2019
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
Elastic–plastic characterization of microstructures through pull-in 4 point bending test <i>A Somà Muhammad Mubashir Saleem</i> <i>Journal of Micromechanics and Microengineering</i> , Volume 29, Issue 2, Article Number: 025004 Impact Factor: 1.739 Quartile: 3 Citations: 4 DOI: 10.1088/1361-6439/aaf60d	2019
A Systematic Review of Reliability Issues in RF-MEMS Switches <i>Muhammad Mubasher Saleem Hamid Nawaz</i> <i>Micro and Nanosystems</i> , Volume 11, Issue 1, Pages 11-33 Impact Factor: 0 Citations: 29 DOI: 10.2174/1876402911666190204113856	2019
Design and Analysis of a High-Gain and Robust Multi-DOF Electro-thermally Actuated MEMS Gyroscope <i>Muhammad Saqib Muhammad Mubasher Saleem Naveed Mazhar Saif Ullah Awan Umar Shahbaz Khan</i> <i>Micromachines</i> , Volume 9, Issue 11, Article Number 577 Impact Factor: 2.426 Quartile: 2 Citations: 22 DOI: 10.3390/mi9110577	2018
Efficient FIR Filter Implementations for Multichannel BCIs Using Xilinx System Generator <i>Usman Ghani Muhammad Wasim Umar Shahbaz Khan Muhammad Mubasher Saleem Ali Hassan Nasir Rashid Mohsin Islam Tiwana Amir Hamza Amir Kashif</i> <i>BioMed Research International</i> , Volume 2018, Article ID 9861350, 9 pages Impact Factor: 2.197 Quartile: 3 Citations: 6 DOI: https://doi.org/10.1155/2018/9861350	2018
Multiphysics design optimization of RF-MEMS switch using response surface methodology <i>Sadia Younis Muhammad Mubasher Saleem Muhammad Zubair Syed Muhammad Tahir Zaidi</i> <i>Microelectronics Journal</i> , Volume 71, Pages 47-60 Impact Factor: 1.284 Quartile: 3 Citations: 26 DOI: 10.1016/j.mejo.2017.11.012	2018
Wide bandwidth 2-DoF electromagnetic MEMS energy harvester for low g applications <i>Muhammad Mubasher Saleem Adnan Murtaza Danish Javed Iqbal Shafaat Ahmed Bazaz</i> <i>Microsystem Technologies</i> , Volume 23, Issue 12, Pages 5477-5489 Impact Factor: 1.581 Quartile: 3 Citations: 12	2017

DOI: 10.1007/s00542-017-3449-y	
Multi-Response Optimization of Electrothermal Micromirror Using Desirability Function-Based Response Surface Methodology <i>Muhammad Mubasher Saleem Umar Farooq Umer Izhar Umar Shahbaz Khan</i> <i>Micromachines</i> , Volume: 8 Issue: 4 Article Number: 107 Impact Factor: 3.523 Quartile: 2 Citations: 8 DOI: 10.3390/mi8040107	2017
Effect of creep in RF MEMS static and dynamic behavior <i>Aurelio Somà Muhammad Mubasher Saleem Giorgio de Pasquale</i> <i>Microsystem Technologies-micro and nano-systems-information storage and Processing systems</i> , Volume 22, Issue 5, Pages 1067-1078 Impact Factor: 1.195 Quartile: 3 Citations: 22 DOI: 10.1007/s00542-015-2469-8	2016
Design optimization of RF-MEMS switch considering thermally induced residual stress and process uncertainties <i>Muhammad Mubashir Saleem Aurelio Soma</i> <i>Microelectronics Reliability</i> , Volume: 55 Issue: 11 Pages: 2284-2298 Impact Factor: 1.202 Quartile: 3 Citations: 11 DOI: 10.1016/j.microrel.2015.07.026	2015
Modeling and experimental verification of thermally induced residual stress in RF-MEMS <i>Aurelio Soma Muhammad Mubasher Saleem</i> <i>Journal of Micromechanics and Microengineering</i> , Volume 25, Issue 5, Article Number 055007 Impact Factor: 1.768 Quartile: 2 Citations: 29 DOI: 10.1088/0960-1317/25/5/055007	2015
Design of experiments based factorial design and response surface methodology for MEMS optimization <i>Muhammad Mubashir Saleem Aurelio Soma</i> <i>Microsystem Technologies Micro- and Nanosystems Information Storage and Processing Systems</i> , Volume 21, Issue 1, Pages 263-276 Impact Factor: 0.974 Quartile: 3 Citations: 34 DOI: 10.1007/s00542-014-2186-8	2015
Mechanically Amplified 3-DoF Nonresonant Microelectromechanical Systems Gyroscope Fabricated in Low Cost MetalMUMPs Process <i>Rana I. Shakoor Shafaat A. Bazaz M. Mubasher Saleem</i> <i>Journal of Mechanical Design</i> , Volume: 133 Issue: 11 Impact Factor: 1.017 Quartile: 2 Citations: 2 DOI: 10.1115/1.4004790	2011
Design, damping estimation and experimental characterization of decoupled 3-DoF robust MEMS gyroscope. <i>Kashif Riaz Shafaat A. Bazaz M. Mubasher Saleem Rana I. Shakoor</i> <i>Sensors and Actuators A-Physical</i> , Volume 172, Issue 2, Pages 523-532 Impact Factor: 1.802 Quartile: 1 Citations: 29 DOI: 10.1016/j.sna.2011.09.032	2011
Design and robustness analysis of structurally decoupled 3-DoF MEMS gyroscope in the presence of worst-case process tolerances <i>Shafaat A. Bazaz Muhammad Mubasher Saleem</i> <i>Microsystem Technologies Micro- and Nanosystems Information Storage and Processing Systems</i> , Volume 17, Issue 8, Pages 1381-1391 Impact Factor: 0.931 Quartile: 3 Citations: 15 DOI: 10.1007/s00542-011-1315-x	2011

Conference Proceedings

Design of a Multi-DoF MEMS Gyroscope for Inertial Navigation Considering SOI-MUMPs Microfabrication Process Constraints <i>Adnan Shujah Syed Ali Raza Bukhari Muhammad Mubasher Saleem</i> <i>International Conference on Robotics and Automation in Industry (ICRAI)</i> , res.country(177.) Citations: N/A DOI: 10.1109/ICRAI54018.2021.9651390	2021
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Reliability based Design of MEMS Accelerometer Considering Residual Stress and Temperature Variations	2020
<i>Muhammad Ahmad Raza Tahir Syed Ali Raza Bukhari Muhammad Mubasher Saleem Muhammad Ahmad Raza Tahir Syed Ali Raza Bukhari Muhammad Mubasher Saleem</i> 23rd IEEE International Multitopic Conference (INMIC), res.country(177,) Citations: N/A DOI: 10.1109/INMIC50486.2020.9318187	
Design and FEM Analysis of Navigation Grade Low Noise and High Sensitivity Capacitive MEMS Accelerometer based on SOIMUMPs Process Constraints	2020
<i>Shayaan Saghir Muhammad Mubasher Saleem Shayaan Saghir Muhammad Mubasher Saleem</i> 23rd IEEE International Multi-Topic Conference, INMIC 2020 , res.country(177,) Citations: N/A DOI: 10.1109/INMIC50486.2020.9318068	
Foldable, Eco-Friendly and Low-Cost Microfluidic Paper-Based Capacitive Droplet Sensor	2020
<i>Muhammad Hamza Zulfiqar Muhammad Mubasher Saleem Muhammad Zubair Muhammad Qasim Mehmood Kashif Riaz Muhammad Hamza Zulfiqar Muhammad Mubasher Saleem Muhammad Zubair Muhammad Qasim Mehmood Kashif Riaz</i> 5th IEEE International Conference on UK-China Emerging Technologies (UCET), res.country(231,) Citations: N/A DOI: https://doi.org/10.1109/UCET51115.2020.9205383	
Modeling and FEM Verification of Surface-Roughness Effect on the Static Response of RF-MEMS Switches	2019
<i>Hamid Nawaz Muhammad Mubasher Saleem Muhammad Umar Masood</i> 16th International Multi-Conference on Systems, Signals & Devices (SSD), res.country(224,) Citations: N/A DOI: N/A	
Design, Modeling and Parametric Analysis of Chevron Shaped Electrothermal Actuator Using Low Cost MetalMUMPS Fabrication Process	2018
<i>Muhammad Saqib Muhammad Mubasher Saleem Saif Ullah Awan Masood Ur Rehman</i> International Conference on Computing Electronic and Electrical Engineering (ICE-Cube) 2018, res.country(177,) Citations: N/A DOI: 10.1109/ICECUBE.2018.8610992	
Design and FEM Modeling of an Electrostatic RFMEMS Varactor	2018
<i>Shakila Shaheen Muhammad Mubasher Saleem Syed Muhammad Tahir Zaidi</i> 2018 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), res.country(177,) Citations: N/A DOI: 10.1109/ICECUBE.2018.8610977	
Design and Modeling of Robust Multi Degree of Freedom Micro gyroscope with Wide Bandwidth	2018
<i>Muhammad Saqib Muhammad Mubasher Saleem Naveed Mazhar Saif Ullah Awan Masood Ur Rehman</i> 21st IEEE International Multi Topic Conference (INMIC) 2018, res.country(177,) Citations: N/A DOI: 10.1109/INMIC.2018.8595570	
Design, Simulation and Parametric Optimization of MEMS based Varactor	2018
<i>Shakila Shaheen Muhammad Mubasher Saleem Syed Muhammad Tahir Zaidi Ayesha Akhtar</i> 2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), res.country(38,) Citations: N/A DOI: 10.1109/IEMCON.2018.8614949	
Design Optimization of RF-MEMS Based Multiband Reconfigurable Antenna Using Response Surface Methodology	2018
<i>Fatima Akhtar Muhammad Mubasher Saleem Muhammad Zubair Mashhood Ahmad</i> 2018 Progress in Electromagnetics Research Symposium (PIERS-Toyama), res.country(113,) Citations: N/A DOI: 10.23919/PIERS.2018.8598186	
Design of an Electrothermally Actuated SU-8 Based Microgripper for Biomedical Applications	2018
<i>Muhammad Zaeem Abbas Muhammad Umar Masood Muhammad Mubasher Saleem Muhammad Fahad Sheikh</i> 2018 3rd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS) , res.country(197,) Citations: N/A	

DOI: 10.1109/ACIRS.2018.8467238

FEM modeling of squeeze film damping effect in RF-MEMS switches

Syed Turab Haider Muhammad Mubasher Saleem Mashhood Ahmad

4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI), res.country(100,)

Citations: N/A

DOI: 10.1109/EECSI.2017.8239182

2017

Experimental characterization of elastic-plastic behavior of MEMS electroplated gold specimens

A. Somà M.M. Saleem B. Margesin

Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP), res.country(75,)

Citations: N/A

DOI: 10.1109/DTIP.2017.7984501

2017

Fatigue Testing of MEMS Device Developed by MetalMUMPs Fabrication Process

Syed Osama Bin Islam Muhammad Zaeem Abbas Saad Rehman Umar Shahbaz Khan Muhammad Mubasher Saleem

2016 19th International Conference on Computer and Information Technology (ICCIT), res.country(19,)

Citations: N/A

DOI: 10.1109/ICCITECHN.2016.7860258

2016

Editorial Activities

Reviewed Papers for Journals

Impact Factor: 4.09

2020

Intellectual Property

Copyrights

Patents

Industrial Designs

Micro-machine for Fatigue Testing of Silicon Thin Films,

Status: Licensed Filed

2020

Resonant Micro-gyroscope

Status: Licensed Filed

2020

Trademarks