Muhammad Mubasher Saleem

Associate Professor

College of Electrical & Mechanical Engineering

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LinkedIn:

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 2012 - 2015
Polytechnic Institute of Turin , Italy

MSc in MEMS 2008 - 2010
Ghulam Ishaq Khan Institute of Science & Technology , Pakistan

BSc in Electric Machines 2004 - 2008
UET Lahore , Pakistan

Experience

Associate Professor 2024- Present
College of Electrical & Mechanical Engineering

Associate Professor 2023 - 2023
College of Electrical & Mechanical Engineering

Associate Professor 2021 - 2018
College of Electrical & Mechanical Engineering

Associate Professor 2021 - 2023
College of Electrical & Mechanical Engineering

Assistant Professor 2018 - 2021
College of Electrical & Mechanical Engineering

Assistant Professor 2015 - 2021
College of Electrical & Mechanical Engineering

Assistant Professor 2015 - 2015
College of Electrical & Mechanical Engineering

Associate Professor 2021 - 2022
NUST , NUST H-12 Islamabad

Assistant Professor 2015 - 2021
NUST , NUST H-12

Lecturer 2010 - 2012
GIK Institute , Topi, Pakistan

Awards

School/College Best Researcher Awards-2021 2022

Best PhD Researcher 2015
Best PhD research thesis award for the year 2015

Research Projects

National Projects

Development of Error Compensation Scheme for NEMS Accelerometer 2020

Funding Agency: NESCOM
Amount: PKR 200,000.00
Status: Completed

Development of High Performance and Reliable MEMs Inertial Sensors for UAVs Applications 2018

Funding Agency: HEC
Amount: PKR 15,396,000.00
Status: Completed

International Projects

Research Articles

Development of a Capacitive-Piezoelectric Tactile Force Sensor for Static and Dynamic Forces Measurement and Neural Network-Based Texture Discrimination 2025

Maira Ehsan Mughal Muhammad Rehan Muhammad Mubasher Saleem Masood Ur Rehman Hamid Jabbar Rebecca Cheung

IEEE Sensors Journal, Volume:25, Issue:7, Pages 11944-11954

Impact Factor: 4.300 | **Quartile:** 1 | **Citations:** 3
DOI: https://doi.org/10.1109/JSEN.2025.3542498

Design of a novel tri-axis ZnO nanowires based piezoelectric accelerometer 2025

Muhammad sohaib Khan Hassan Elahi Muhammad Mubasher Saleem Masood Ur Rehman Muhammad Abdullah Tayyab Mohsin Islam Tiwana

PLoS ONE, Volume 20, Issue 3, Article Number e0318069

Impact Factor: 2.900 | **Quartile:** 1
DOI: https://doi.org/10.1371/journal.pone.0318069

Sensorized laparoscopic surgical grasper with integrated capacitive force sensor for robot-assisted minimally invasive surgery 2025

Muhammad Ameer Usman Muhammad Rehan Taimoor Shabbir Mohsin Islam Tiwana Amir Hamza Muhammad Mubasher Saleem

Sensor Review, Volume 45, No. 2, Pages 236-247

Impact Factor: 1.600 | **Quartile:** 3
DOI: https://doi.org/10.1108/SR-09-2024-0765

A high sensitivity, low cost and fully decoupled multi-axis capacitive tactile force sensor for robotic surgical systems 2024

Sajid Hussain Muhammad Mubasher Saleem Muhammad Rehan Hassan Elahi Mohsin Islam Tiwana

Plos One, https://journals.plos.org/plosone/s/journal-information

Impact Factor: 2.9 | **Quartile:** 1 | **Citations:** 2
DOI: doi.org/10.1371/journal.pone.0313737

Experimental Verification of Coupling Strength on the Mode-Localization in Single MEMS DETF Resonators and Its Application as a Force Sensor 2024

Masood Ur Rehman Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Shafaat Ahmed Bazaz Rebecca Cheung

IEEE Transactions on Electron Devices, Volume 71, Issue 7, Pages 4292-4299

Impact Factor: 2.900 | **Quartile:** 2 | **Citations:** 4
DOI: 10.1109/TED.2024.3405931

A high-resolution and low-cost mesoscale tactile force sensor based on mode-localization effect and fabricated using rapid prototyping 2024

Masood Ur Rehman Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung

Sensors and Actuators A: Physical, Volume:369, Article Number: 115140

Impact Factor: 4.6 | **Quartile:** 1 | **Citations:** 4
DOI: 10.1016/j.sna.2024.115140

A novel framework for classification of two-class motor imagery EEG signals using logistic regression classification algorithm 2023

Rabia Avais Khan Nasir Rashid Muhammad Shahzaib Umar Farooq Malik Arshia Arif Javaid Iqbal M Mubasher Saleem Umar Shahbaz Khan Mohsin Islam Tiwana

PLOS ONE, Volume 18(9), Article Number e0276133

Impact Factor: 3.7 | **Quartile:** 2 | **Citations:** 7
DOI: https://doi.org/10.1371/journal.pone.0276133

A high sensitivity and multi-axis fringing electric field based capacitive tactile force sensor for robot assisted surgery 2023

Adeel Irshad Dr. Muhammad Mubashir Saleem Dr. Mohsin Islam Tiwana Hamood Ur Rahman Sohail Iqbal Rebecca Cheung

Sensors and Actuators A: Physical, Volume 354, Article Number: 114272

Impact Factor: 4.291 | **Quartile:** 1 | **Citations:** 23

DOI: 10.1016/j.sna.2023.114272

Deep Learning Based Multiresponse Optimization Methodology for Dual-Axis MEMS Accelerometer 2023

Fahad ul Hassan Asif Mattoo Tahir Habib Nawaz Muhammad Mubasher Saleem Umar Shahbaz Khan Amir Hamza

Micromachines , Volume 14, Issue 4, Article Number 817

Impact Factor: 3.523 | **Quartile:** 2 | **Citations:** 2

DOI: https://doi.org/10.3390/mi14040817

Multi-criteria Handoff Decision making Algorithm for Seamless Mobility in Heterogenous Wireless Networks 2023

Muhammad Wajid Khan Umar Shahbaz Khan Muhammad Mubasher Saleem Nasir Rashid

Journal of Communications, Volume 18, Issue 3, Pages 164-171

Impact Factor: N/A | **Citations:** 4

DOI: 10.12720/jcm.18.3.164-171

Design and Characterization of Three-Axis High Range Inductive Tactile Force Sensor Utilizing Magnetorheological Elastomer for Robotic Surgical Applications 2023

Muhammad Abdullah Khalid Muhammad Mubasher Saleem Syed Ali Raza Bukhari Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung

IEEE Sensors Journal, Volume 23, Issue 1, Pages 247-255

Impact Factor: 4.325 | **Quartile:** 1 | **Citations:** 13

DOI: 10.1109/JSEN.2022.3222930

Design, implementation, and testing of a hybrid thermal microactuator 2022

Muhammad Owais Tariq Shafaat Ahmed Bazaz Jameel Ahmed Muhammad Mubasher Saleem

IEEE Sensors Journal, Volume: 22, Issue: 23, Pages:22438-22445

Impact Factor: 4.3 | **Quartile:** 1 | **Citations:** 2

DOI: 10.1109/JSEN.2022.3214657

Design, Analysis and Experimental Investigation of Micro Piezoelectric Vibrational Energy Harvester with Enhanced Power Extraction at Low Frequency 2022

Sohail Iqbal Muhammad Mubasher Saleem Rana Iqtidar Shakoor Muhammad Shahbaz

International Journal of Precision Engineering and Manufacturing, Pages 1-16

Impact Factor: 2.041 | **Quartile:** 3 | **Citations:** 2

DOI: 10.1007/s12541-022-00726-y

Mixed Dimensional ZnO/WSe2Piezo-gated Transistor with Active Millinewton Force Sensing 2022

Yulin Geng Jing Xu Muhammad Ammar Bin Che Mahzan Peter Lomax Muhammad Mubasher Saleem Enrico Mastropaolo Rebecca Cheung

ACS Applied Materials and Interfaces , Volume 14, Issue 43, Pages 49026-49034

Impact Factor: 10.383 | **Quartile:** 1 | **Citations:** 7

DOI: https://doi.org/10.1021/acsami.2c15730

A Soft Multi-Axis High Force Range Magnetic Tactile Sensor for Force Feedback in Robotic Surgical Systems 2022

Muhammad Rehan Muhammad Mubasher Saleem Mohsin Islam Tiwana Rana Iqtidar Shakoor Rebecca Cheung

Sensors , Volume 22, Issue 9, Article Number 3500

Impact Factor: 3.576 | **Quartile:** 1 | **Citations:** 42

DOI: https://doi.org/10.3390/s22093500

Study of Notched MEMS Specimen: Elasto-Plastic Modeling and Experimental Testing 2022

Aurelio Soma Francesca Pistorio Muhammad Mubasher Saleem

Journal of Micromechanics and Microengineering, Volume 32, Number 2, Article Number 025006

Impact Factor: 1.881 | **Quartile:** 3 | **Citations:** 3

DOI: https://doi.org/10.1088/1361-6439/ac42df

A Systematic Design Optimization Approach for Multiphysics MEMS Devices Based on Combined Computer Experiments and Gaussian Process Modelling 2021

Shayaan Saghir Muhammad Mubasher Saleem Amir Hamza Kashif Riaz Sohail Iqbal Rana Iqtidar Shakoor

Sensors , Volume 21(21), Article Number 7242

Impact Factor: 3.576 | **Quartile:** 1 | **Citations:** 6

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 2019
Umar Shahbaz Khan Javaid Iqbal Nasir Rashid Muhammad Mubasher Saleem Sumaira Ghazal
IET Image Processing, Volume: 13, Issue: 13, Pages: 2572-2578
Impact Factor: 1.995 | **Quartile:** 3 | **Citations:** 40
DOI: 10.1049/iet-ipr.2019.0030

Effect of environmental conditions and geometric parameters on the squeeze film damping in RF-MEMS switches 2019
Syed Turab Haider Muhammad Mubasher Saleem Mashhood Ahmed
Analog Integrated Circuits and Signal Processing, Volume 100, pages 357–368
Impact Factor: 0.925 | **Quartile:** 4 | **Citations:** 5
DOI: 10.1007/s10470-018-1283-5

Pull-in tests of MEMS specimens for characterization of elastic–plastic behavior 2019
A. Soma Muhammad Mubasher Saleem B. Margesin M. Armando
Microsystem Technologies, Volume 25, Issue 7, Pages 2525-2533
Impact Factor: 1.737 | **Quartile:** 3 | **Citations:** 7
DOI: 10.1007/s00542-019-04396-1

Design, closed-form modeling and analysis of SU-8 based electrothermal microgripper for biomedical applications 2019
Muhammad Mubasher Saleem Umar Shahbaz Khan Amir Hamza Muhammad Umar Masood
Microsystem Technologies, Volume 25, pages 1171–1184
Impact Factor: 1.737 | **Quartile:** 3 | **Citations:** 18
DOI: 10.1007/s00542-018-4059-z

Elastic–plastic characterization of microstructures through pull-in 4 point bending test 2019
A Somà Muhammad Mubashir Saleem
Journal of Micromechanics and Microengineering, Volume 29, Issue 2, Article Number: 025004
Impact Factor: 1.739 | **Quartile:** 3 | **Citations:** 4
DOI: 10.1088/1361-6439/aaf60d

A Systematic Review of Reliability Issues in RF-MEMS Switches 2019
Muhammad Mubasher Saleem Hamid Nawaz
Micro and Nanosystems, Volume 11, Issue 1, Pages 11-33
Impact Factor: 0 | **Citations:** 29
DOI: 10.2174/1876402911666190204113856

Design and Analysis of a High-Gain and Robust Multi-DOF Electro-thermally Actuated MEMS Gyroscope 2018
Muhammad Saqib Muhammad Mubasher Saleem Naveed Mazhar Saif Ullah Awan Umar Shahbaz Khan
Micromachines , Volume 9, Issue 11, Article Number 577
Impact Factor: 2.426 | **Quartile:** 2 | **Citations:** 22
DOI: 10.3390/mi9110577

Efficient FIR Filter Implementations for Multichannel BCIs Using Xilinx System Generator 2018
Usman Ghani Muhammad Wasim Umar Shahbaz Khan Muhammad Mubasher Saleem Ali Hassan Nasir Rashid Mohsin Islam Tiwana Amir Hamza Amir Kashif
BioMed Research International, Volume 2018, Article ID 9861350, 9 pages
Impact Factor: 2.197 | **Quartile:** 3 | **Citations:** 6
DOI: https://doi.org/10.1155/2018/9861350

Multiphysics design optimization of RF-MEMS switch using response surface methodology 2018
Sadia Younis Muhammad Mubasher Saleem Muhammad Zubair Syed Muhammad Tahir Zaidi
Microelectronics Journal, Volume 71, Pages 47-60
Impact Factor: 1.284 | **Quartile:** 3 | **Citations:** 26
DOI: 10.1016/j.mejo.2017.11.012

Wide bandwidth 2-DoF electromagnetic MEMS energy harvester for low g applications 2017
Muhammad Mubasher Saleem Adnan Murtaza Danish Javed Iqbal Shafaat Ahmed Bazaz
Microsystem Technologies, Volume 23, Issue 12, Pages 5477-5489
Impact Factor: 1.581 | **Quartile:** 3 | **Citations:** 12

DOI: 10.1007/s00542-017-3449-y

Multi-Response Optimization of Electrothermal Micromirror Using Desirability Function-Based Response Surface Methodology 2017

Muhammad Mubasher Saleem Umar Farooq Umer Izhar Umar Shahbaz Khan

Micromachines , Volume: 8 Issue: 4 Article Number: 107

Impact Factor: 3.523 | **Quartile:** 2 | **Citations:** 8

DOI: 10.3390/mi8040107

Effect of creep in RF MEMS static and dynamic behavior 2016

Aurelio Somà Muhammad Mubasher Saleem Giorgio de Pasquale

Microsystem Technologies-micro and nano-systems-information storage and Processing systems, Volume 22, Issue 5, Pages 1067-1078

Impact Factor: 1.195 | **Quartile:** 3 | **Citations:** 22

DOI: 10.1007/s00542-015-2469-8

Design optimization of RF-MEMS switch considering thermally induced residual stress and process uncertainties 2015

Muhammad Mubashir Saleem Aurelio Soma

Microelectronics Reliability , Volume: 55 Issue: 11 Pages: 2284-2298

Impact Factor: 1.202 | **Quartile:** 3 | **Citations:** 11

DOI: 10.1016/j.microrel.2015.07.026

Modeling and experimental verification of thermally induced residual stress in RF-MEMS 2015

Aurelio Soma Muhammad Mubasher Saleem

Journal of Micromechanics and Microengineering, Volume 25, Issue 5, Article Number 055007

Impact Factor: 1.768 | **Quartile:** 2 | **Citations:** 29

DOI: 10.1088/0960-1317/25/5/055007

Design of experiments based factorial design and response surface methodology for MEMS optimization 2015

Muhammad Mubashir Saleem Aurelio Soma

Microsystem Technologies Micro- and Nanosystems Information Storage and Processing Systems, Volume 21, Issue 1, Pages 263-276

Impact Factor: 0.974 | **Quartile:** 3 | **Citations:** 34

DOI: 10.1007/s00542-014-2186-8

Mechanically Amplified 3-DoF Nonresonant Microelectromechanical Systems Gyroscope Fabricated in Low Cost MetalMUMPs Process 2011

Rana I. Shakoor Shafaat A. Bazaz M. Mubasher Saleem

Journal of Mechanical Design, Volume: 133 Issue: 11

Impact Factor: 1.017 | **Quartile:** 2 | **Citations:** 2

DOI: 10.1115/1.4004790

Design, damping estimation and experimental characterization of decoupled 3-DoF robust MEMS gyroscope. 2011

Kashif Riaz Shafaat A. Bazaz M. Mubasher Saleem Rana I. Shakoor

Sensors and Actuators A-Physical , Volume 172, Issue 2, Pages 523-532

Impact Factor: 1.802 | **Quartile:** 1 | **Citations:** 29

DOI: 10.1016/j.sna.2011.09.032

Design and robustness analysis of structurally decoupled 3-DoF MEMS gyroscope in the presence of worst-case process tolerances 2011

Shafaat A. Bazaz Muhammad Mubasher Saleem

Microsystem Technologies Micro- and Nanosystems Information Storage and Processing Systems, Volume 17, Issue 8, Pages 1381-1391

Impact Factor: 0.931 | **Quartile:** 3 | **Citations:** 15

DOI: 10.1007/s00542-011-1315-x

Conference Proceedings

Design of a Multi-DoF MEMS Gyroscope for Inertial Navigation Considering SOI-MUMPs Microfabrication Process Constraints 2021

Adnan Shujah Syed Ali Raza Bukhari Muhammad Mubasher Saleem

International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)

Citations: N/A

DOI: 10.1109/ICRAI54018.2021.9651390

Reliability based Design of MEMS Accelerometer Considering Residual Stress and Temperature Variations 2020

Muhammad Ahmad Raza Tahir Syed Ali Raza Bukhari Muhammad Mubasher Saleem Muhammad Ahmad Raza Tahir Syed Ali Raza Bukhari Muhammad Mubasher Saleem

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

Shayaan Saghir Muhammad Mubasher Saleem Shayaan Saghir Muhammad Mubasher Saleem

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

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

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

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, Modeling and Parametric Analysis of Chevron Shaped Electrothermal Actuator Using Low Cost MetalMUMPS Fabrication Process 2018

Muhammad Saqib Muhammad Mubasher Saleem Saif Ullah Awan Masood Ur Rehman

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

Shakila Shaheen Muhammad Mubasher Saleem Syed Muhammad Tahir Zaidi

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

Muhammad Saqib Muhammad Mubasher Saleem Naveed Mazhar Saif Ullah Awan Masood Ur Rehman

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

Shakila Shaheen Muhammad Mubasher Saleem Syed Muhammad Tahir Zaidi Ayesha Akhtar

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

Fatima Akhtar Muhammad Mubasher Saleem Muhammad Zubair Mashhood Ahmad

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

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

FEM modeling of squeeze film damping effect in RF-MEMS switches 2017

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

Experimental characterization of elastic-plastic behavior of MEMS electroplated gold specimens 2017

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

Fatigue Testing of MEMS Device Developed by MetalMUMPs Fabrication Process 2016

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

Editorial Activities

2020

Reviewed Papers for Journals

Impact Factor: 4.09

Intellectual Property

Copyrights

Patents

Industrial Designs

Micro-machine for Fatigue Testing of Silicon Thin Films, 2020

Status: Licensed Filed

Resonant Micro-gyroscope 2020

Status: Licensed Filed

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