Muhammad Osama Ali

Assistant Professor

College of Electrical & Mechanical Engineering

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Contact:



About

Dr. Muhammad Osama Ali is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Muhammad Osama Ali has a PhD in MEMS Microfabrication. Dr. Muhammad Osama Ali has published 5 research articles & conference papers having a citation count of 32, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in MEMS Microfabrication	2013 - 2019
Carleton University , Canada	
MS in MEMS Microfabrication	2009 - 2011
University of Texas at Arlington , United States	
BE in Mechatronics	2003 - 2007
College of Electrical and Mechanical Engineering , Pakistan	
Experience	
Assistant Professor	2022- Present
College of Electrical & Mechanical Engineering	
Assistant Professor	2022 - 2022
College of Electrical & Mechanical Engineering	
Assistant Professor	2021 - 2022
PAF-IAST , Mung Haripur	
Technology Innovation Lead	2020 - 2020

Research Projects

Gem Learning, F-8

Associate RF Engineer

Associate RF Engineer

3S Network, Dallas Texas USA

National Projects

Development of Nano-Materials Based Tactile Sensors for Tele-Manipulation in Robotic Surgery

Funding Agency: HEC and British Council

Global Wireless Solutions, Virginia USA

Amount: PKR 43,055,271.00

Status: Completed

International Projects

2021

2011 - 2012

2010 - 2010

Research Articles

InterAcT: A Generic Keypoints-Based Lightweight Transformer Model for Recognition of Human Solo 2025 **Actions and Interactions in Aerial Videos** Mubashir Shah Tahir Habib Nawaz Nasir Rashid Muhammad Osama Ali Rab Nawaz PLOS ONE, Volume 20(5), Article Number e0323314 Impact Factor: 2.900 | Quartile: 1 DOI: https://doi.org/10.1371/journal.pone.0323314 Enhancing Ocular Precision: A Tactile Force Feedback-Enabled Handheld Cyclodialysis Spatula for 2025 **Eye Surgery** Adeel Arshad Muhammad M. Saleem Hamid Jabbar Muhammad Osama Ali Mohsin Islam Tiwana Rebecca Cheung IEEE Sensors Journal, Volume 25, No. 2, Article Number 3220-3229 Impact Factor: 4.300 | Quartile: 1 DOI: https://doi.org/10.1109/JSEN.2024.3494875 Direct thermal emission testing of aperiodic dielectric stack for narrowband thermal emission at mid-IR 2020 Joseph Botros Muhammad Osama Ali R. Niall Tait Rony E. Amaya Shulabh Gupta Journal of Applied Physics, Volume 127, Issue 11, Article Number 114502 Impact Factor: 2.546 | Quartile: 2 | Citations: 9 DOI: 10.1063/1.5140010 Conductor-backed dielectric metasurface thermal emitters for mid-infrared spectroscopy 2020 Muhammad Osama Ali R. Niall Tait Shulabh Gupta Journal of Applied Physics, Volume 127, Issue 3, Article Number 033105 Impact Factor: 2.546 | Quartile: 2 | Citations: 2 DOI: 10.1063/1.5125652 High-Q all-dielectric thermal emitters for mid-infrared gas-sensing applications 2017

Muhammad Osama Ali Niall Tait Shulabh Gupta

Journal of the Optical Society of America A: Optics and Image Science, and Vision, Volume:35, Issue:1, Page:119-124

 $\textbf{Impact Factor: } 1.566 \mid \textbf{Quartile: } 3 \mid \textbf{Citations: } 21$

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