Usman Ghafoor

Assistant Professor

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About

Dr. Usman Ghafoor is working as Assistant Professor in the NUST Business School. Dr. Usman Ghafoor has a PhD in Data analytics intelligent control and automation. Dr. Usman Ghafoor has published 30 research articles & conference papers having a citation count of 763, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Data analytics intelligent control and automation	2016 - 2021
Pusan National University , South Korea	
MSc in industrial management and manufacturing engineering UET Taxila , Pakistan	2012 - 2016
BE in mechatronics Air University , Pakistan	2007 - 2011

Experience	
Assistant Professor	2024- Present
NUST Business School	
Postdoc fellow	2021 - 2023
Pusan National University, Busan, South Korea , Pusan National University, Busan, South Korea	
Lecturer	2016 - 2016
Institute of Space Technology, Islamabad, Pakistan , Institute of Space Technology, Islamabad, Pakistan	
Teaching/Research Associate	2012 - 2016
Institute of Space Technology, Islamabad, Pakistan , Institute of Space Technology, Islamabad, Pakistan	

2011 - 2012 School of Engineering and Management Sciences, Rawalpindi, Pakistan, School of Engineering and Management Sciences, Rawalpindi, Pakistan

Impact Factor: 3.4 | Quartile: 2 DOI: 10.1109/ACCESS.2024.3435961

Research Articles Aeroelastic Tailoring Framework of Pazy Wing with Variable Stiffness of Composites Spar 2024 Ahsan Ayaz Iqbal Rasool Memon Fahad Ali Sheharyar Malik Umer Hameed Shah Usman Ghafoor Muhammad Umer Usama Waleed Qazi IEEE Access, Volume:12, Page:106042-106055

DDPG-Based Adaptive Sliding Mode Control with Extended State Observer for Multibody Robot **Systems**

Hamza Khan Sheraz Ali Khan Min Cheol Lee Usman Ghafoor Fouzia Gillani Umer Hameed Shah

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Muhammad Raheel Bhutta Fouzia Gillani Taiba Zahid Saira Bibi Usman Ghafoor

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Thermal Management of Microelectronic Devices Using Nanofluid with Metal foam Heat Sink Muhammad Teham Tahir Shahzaib Anwar Naseem Ahmad Mariyam Sattar Usama Waleed Qazi Usman Ghafoor Muhammad Raheel Bhutta Micromachines, Volume 14, Issue 7, Article Number 1475 Impact Factor: 3.000 Quartile: 2 Citations: 8 DOI: 10.3390/mi14071475	2023
Effect of Various Dusts and Humidity on the Performance of Renewable Energy Modules Anis Ahmad Sher Naseem Ahmad Mariyam Sattar Usman Ghafoor Umer Hameed Shah Energies, Volume 16, Issue 13, Article Number 4857 Impact Factor: 3.000 Quartile: 3 Citations: 12 DOI: 10.3390/en16134857	2023
IoT malware detection architecture using a novel channel boosted and squeezed CNN Muhammad Asam Saddam Hussain Khan Altaf Akbar Sameena Bibi Tauseef Jamal Asifullah Khan Usman Ghafoor M. Raheel Bhutta Scientific Reports, Volume 12, Issue 1, Article Number: 15498 Impact Factor: 4.600 Quartile: 2 Citations: 59 DOI: 10.1038/s41598-022-18936-9	2022
EEG-fNIRS-based hybrid image construction and classification using CNN-LSTM Nabeeha Ehsan Mughal Muhammad Jawad Khan Khurram Khalil Kashif Javed Hasan Sajid Noman Naseer Usman Ghafoor Keum-Shik Hong Frontiers in Neurorobotics, Volume 16, Article Number 873239 Impact Factor: 3.493 Quartile: 2 Citations: 26 DOI: https://doi.org/10.3389/fnbot.2022.873239	2022
Acupuncture enhances brain function in patients with mild cognitive impairment: Evidence from a functional-near infrared spectroscopy study M. N. Afzal Khan Usman Ghafoor Ho-Ryong Yoo Keum-Shik Hong Neural Regeneration Research, Volume 17, Issue 8, Pages 1850-1856 Impact Factor: 6.100 Quartile: 1 Citations: 33 DOI: 10.4103/1673-5374.332150	2022
Neuromodulatory Effects of HD-tACS/tDCS on the Prefrontal Cortex: A Resting-State fNIRS-EEG Study Usman Ghafoor Dalin Yang Keum-Shik Hong IEEE Journal of Biomedical and Health Informatics, Volume 26, Issue 5, Pages 2192-2203 Impact Factor: 7.700 Quartile: 1 Citations: 33 DOI: 10.1109/JBHI.2021.3127080	2022
A New Deep Hybrid Boosted and Ensemble Learning-Based Brain Tumor Analysis Using MRI Mirza Mumtaz Zahoor Shahzad Ahmad Qureshi Sameena Bibi Saddam Hussain Khan Asifullah Khan Usman Ghafoor M. Raheel Bhutta Sensors, Volume 22, Issue 7, Article Number 2726 Impact Factor: 3.900 Quartile: 2 Citations: 105 DOI: 10.3390/s22072726	2022
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Synchromodal Transportation Analysis of the One-Belt-One-Road Initiative Based on a Bi-Objective Mathematical Model Taiba Zahid Fouzia Gillani Usman Ghafoor Raheel Bhutta Sustainability, Volume 14(6), Article Number 3201 Impact Factor: 3.251 Quartile: 2 Citations: 7 DOI: https://doi.org/10.3390/su14063201	2022

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Umar Farooq Muhammad Umair Ali Shaik Javeed Hussain Muhammad Shakeel Ahmad Amad Zafar Usman Ghafoor Tayyab Subhani	
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Muhammad Jawad Khan Keum-Shik Hong Usman Ghafoor	
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Effects of acupuncture therapy on MCI patients using functional near-infrared spectroscopy

Usman Ghafoor Jun-Hwan Lee Keum-Shik Hong Sang-Soo Park Jieun Kim Ho-Ryong Yoo

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M. Jawad Khan Usman Ghafoor Keum-Shik Hong

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Selectivity and longevity of peripheral-nerve and machine interfaces: A review

Usman Ghafoor Sohee Kim Keum-Shik Hong

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Soft Manipulator for Minimally Invasive Surgery

Muhammad Asim Huzefa Turab Usman Ghafoor Yumna Qureshi Ruqia Ikram Muhammad Raheel Bhutta International Conference on Control, Automation, and Systems (ICCAS), res.country(259,)

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Reviewed Papers for Journals	
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Reviewed Papers for Journals	
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Impact Factor: 3.00	
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Impact Factor: 2.6	
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Reviewed Papers for Journals	
Impact Factor: 3.4	
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Reviewed Papers for Journals	
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