

Hammad Munawar

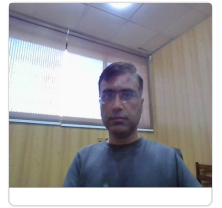
Defence Faculty

College of Aeronautical Engineering

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About

Dr. Hammad Munawar is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Hammad Munawar has a PhD in Control Systems Engineering. Dr. Hammad Munawar has published 9 research articles & conference papers having a citation count of 9, carried out 6 projects and filed 0 intellectual property.

Qualifications

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| PhD in Control Systems Engineering Sabanci University , Pakistan | 2013 - 2017 |
| MS in Control Systems Engineering Air University , Pakistan | 2008 - 2012 |
| BE in Avionics NUST, Islamabad , Pakistan | 1997 - 2001 |

Experience

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| Defence Faculty College of Aeronautical Engineering | 2022- Present |
| Defence Faculty College of Aeronautical Engineering | 2017 - 2022 |
| PAF PAF , Air Headquarters, E-9, Islamabad | 2001 - 2017 |

Professional Memberships

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| PEC | Since 2018 |
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Research Projects

National Projects

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| Prototype Development of Wireless Haptic Glove for hand interface with robotic claw Funding Agency: IGNITE Amount: PKR 72,950.00 Status: Completed | 2019 |
| Autonomous Indoor Navigation through Quadcopter in GPS denied environment Funding Agency: IGNITE Amount: PKR 80,000.00 Status: Completed | 2019 |
| Design and Prototype Development of a Haptic Claw for Interacting with Virtual Reality Funding Agency: HEC Amount: PKR 500,000.00 Status: Completed | 2019 |
| Design, Development and control of one DOF encounter type haptic device Funding Agency: IGNITE Amount: PKR 70,000.00 Status: Completed | 2018 |
| Design and prototype Development of Haptic Claw for interacting with virtual reality Funding Agency: HEC Amount: PKR 470,000.00 Status: Approved_inprocess | 2019 |
| IoTVault - An automated ranker and recommender system soar security of IoT configuration Funding Agency: HEC Amount: PKR 481,000.00 Status: Completed | 2019 |

International Projects

Research Articles

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| Design, modeling and control of an index finger exoskeleton for rehabilitation <i>Hassan Talat Hammad Munawar Hamza Hussain Usama Azam</i> <i>Robotica</i> , Pages 1-25 Impact Factor: 2.088 Quartile: 3 Citations: 9 DOI: https://doi.org/10.1017/S0263574722000388 | 2022 |
| From Monocular to Learned vSLAM <i>Ussama Maqbool Hammad Munawar Abdur Rahman</i> <i>Technology Forces Journal of Engineering and Sciences</i> , Volume 3(2), Pages 28-43 Impact Factor: N/A DOI: https://kiet.edu.pk/technologyforces/index.php/technologyforces/article/view/40 | 2021 |
| System Identification and Controller Design for Hydraulic Actuator <i>Zainab Nisar Hammad Munawar</i> <i>Technology Forces Journal of Engineering and Sciences</i> , Volume 3(2), Pages 11-27 Impact Factor: N/A DOI: https://kiet.edu.pk/technologyforces/index.php/technologyforces/article/view/38 | 2021 |

- Design and FEM Analysis of Miniature Torque Sensor for Finger Exoskeleton** 2021
Faryal Gula Hammad Munawar Amir Hamza
2021 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)
Citations: N/A
DOI: 10.1109/ICRAI54018.2021.9651427
- A Low Cost 1-DoF Encounter Type Haptic Device for Use in Education** 2019
Ahmad Javaid Armughan Mohyuddin Hammad Munawar
International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)
Citations: N/A
DOI: 10.1109/ICRAI47710.2019.8967395
- Gravity-assist: A series elastic body weight support system with inertia compensation** 2016
Hammad Munawar Volkan Patoglu
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), res.country(121,)
Citations: N/A
DOI: 10.1109/IROS.2016.7759470
- Redundant kinematics and workspace centering control of AssistOn-Gait overground gait and balance trainer** 2016
Hammad Munawar Mustafa Yalcin Volkan Patoglu
IEEE International Conference on Robotics and Automation (ICRA), res.country(196,)
Citations: N/A
DOI: 10.1109/ICRA.2016.7487556
- AssistOn-Gait: a robot-assisted gait trainer with an active pelvis-hip exoskeleton** 2015
Hammad Munawar Mustafa Yalcin Volkan Patoglu Hammad Munawar Mustafa Yalcin Volkan Patoglu
Türkiye Robotbilim Konferansı (ToRK), res.country(224,)
Citations: N/A
DOI: <https://tork2015.itu.edu.tr/index.php>
- AssistOn-Gait: An overground gait trainer with an active pelvis-hip exoskeleton** 2015
Hammad Munawar Mustafa Yalcin Volkan Patoglu
IEEE International Conference on Rehabilitation Robotics (ICORR), res.country(197,)
Citations: N/A
DOI: 10.1109/ICORR.2015.7281265