Dr. Engr. Muhammad Muzammil

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Experience

1. Lecturer (07th Sep, 2017- to date), DEE, FET, International Islamic University, Islamabad
2. Lab Engineer (April 2011 – 06th Sep, 2017), DEE, FET, International Islamic University, Islamabad.
3. SCM (August 2000 – March 2011), Air Weapons Complex (NESCOM), Wah Cantt.

Education

1. PhD Electronic Engineering, 2022, International Islamic University, Islamabad
2. M.Sc Electrical Engineering (Digital Techniques), 2014, UET Taxila
3. B.Sc Electrical Engineering (Electronics), 2009, Federal Urdu University of Arts Science & Technology, Islamabad

Honors & Awards

Guest Speaker — Workshop on PCB designing, organized by IEEE IIU Chapter, IIUI

Publications

Muzammil, M., Ali, I., Haq, I. U., Khaliq, A. A., & Abdullah, S., "Pulmonary Nodule Classification Using Feature and Ensemble Learning-Based Fusion Techniques." IEEE Access 9 (2021): 113415-113427.

Muzammil, M., Ali, I., Javed, U., Amir, M., & Ulhaq, I. "Spatial Stimuli Gradient Based Multifocus Image Fusion Using Multiple Sized Kernels". Tehnicki Vjesnik-Technical Gazette, 28(1), 113-123. ISSN 1848-6339.

Ali, I., **Muzammil, M.**, Haq, I. U., Khaliq, A. A., & Abdullah, S. "Deep Feature Selection and Decision Level Fusion for Lungs Nodule Classification". IEEE Access, 9, pp. 18962-18973. 2021, ISSN 2169-3536.

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S. Maqsood, U. Javed, M. M. Riaz, **M. Muzammil**, F. Muhammad, & S. Kim. "Multiscale Image Matting Based Multi-Focus Image Fusion Technique". Electronics, 9(3), 472. 2020, ISSN 2079-9292, https://doi.org/10.3390/electronics9030472.

I. Ali, **M. Muzammil**, A. Basit, and I. Haq. "Modified Adaptive Predict Hexagon Based Search Motion Estimation Algorithm," The Nucleus, Vol. 55, No. 4, 2018, pp. 163-169, ISSN No. 2306-6539

S. A. Kazmi, M. H. Shah, S. Khan, O. O. Khalifa and **M. Muzammil**, "Poincare based PPG signal analysis for varying physiological states," 2016 International Conference on Intelligent Systems Engineering (ICISE), Islamabad, 2016, pp. 105-110. ISBN No. 978-1-4673-8752-1

M. Muzammil, Z. A. Khan, M. O. Ullah and I. Ali, "Performance analysis of block matching motion estimation algorithms for HD videos with different search parameters," 2016 International Conference on Intelligent Systems Engineering (ICISE), Islamabad, 2016, pp. 306-311. ISBN No. 978-1-4673-8752

M. Muzammil, G. Raja, I. Ali, "Field Programmable Gate Array (FPGA) Architecture of Diamond Search Motion Estimaion Algorithm for Real-Time Video Applications," NED University Journal of Research - Applied Sciences, Vol XII, No. 4, 2015, pp. 93-100
URL: http://www.neduet.edu.pk/NED-Journal/2015/15vol4paper4.html. ISSN No. 1023-3873

M. Muzammil, I. Ali, M. Sharif, A.K. Khan, "An Efficient FPGA Architecture for Hardware Realization of Hexagonal Based Motion Estimation Algorithm," 2015 International Conference on Consumer Electronics-Taiwan (ICCE-TW), June, 2015, pp. 422-423. ISBN No. 978-1-4799-8748-1/15

I. Ali, G. Raja, M. **Muzammil** and A. K. Khan, "Adaptive Modified Hexagon Based Search Motion Estimation algorithm," 2014 IEEE Fourth International Conference on Consumer Electronics Berlin (ICCE-Berlin), Berlin, 2014, pp. 147-148, 7-10 Sep, 2014. ISBN No. 978-1-4799-6165-8

I. Ali, **M. Muzammil**, G. Raja, "Performance analysis of motion estimation algorithms based on motion activity in video sequences," Pakistan Journal of Sciences, Vol. 64 No. 1, 2012, pp. 39-45, March, ISSN No. 0030-9877