

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. Senior Chargeman (August 2000 – March 2011), Air Weapons Complex (NESCOM), Wah Cantt

Education

1. Phd Electronic Engineering, Fall 2015 to date (in progress), International Islamic University, Islamabad
2. M.Sc Electrical Engineering (Digital Techniques), 2014, UET Taxila
3. B.Sc Electrical Engineering (Electronics), Fall 2005 – Spring 2009, Federal Urdu University of Arts Science & Technology, Islamabad

Honors & Awards

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

Publications

JOURNAL:

M. Muzammil, G. Raja, I. Ali, "Field Programmable Gate Array (FPGA) Architecture of Diamond Search Motion Estimation Algorithm for Real-Time Video Applications," *NED University Journal of Research - Applied Sciences*, vol. XII, no. 4, 2015, pp. 93-100.

Available online at: <http://www.neduet.edu.pk/NED-Journal/2015/15vol4paper4.html>. ISSN No. 1023-3873

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, pp. 39-45, March, 2012. ISSN No. 0030-9877,

Available online at: <http://www.paas.com.pk/images/volume/pdf/946916916-10%29.%2069-11.pdf>

CONFERENCES:

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. 978-1-4673-8752-1

Available online at: <http://ieeexplore.ieee.org/document/7475139/>

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

Available Online at: <http://ieeexplore.ieee.org/document/7475170/>

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

Available online at: <http://ieeexplore.ieee.org/document/7216977>

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, 7-10 Sep, 2014, pp. 147-148,. ISBN No. 978-1-4799-6165-8.

Available online at: <http://ieeexplore.ieee.org/document/7034206>