

Conference Research Papers

S.No	Name of Authors	Title of Paper	Title of Conference, dates, Country, Web-link
1.	Shafiq R. Qureshi	Synthetic Rubber Based solar collector for Low to Medium temperature Industrial/Domestic Solar Heating	2nd Conference on Sustainability in Process Industry (SPI2014), UET Peshawar, Pakistan 22 nd May 2014. http://www.nwfpuet.edu.pk/spi/index.html
2.	Dr Faisal Amir, Dr Tariq Mairaj	Novel Damage Daignosis algorithms for aerospace non destructive testing data using ultrasonic testing technique	ASNT (American Society Non Destructive Test) symposium, USA 24 to 27 March 2014.
3.	Dr Faisal Amir, Dr Tariq Mairaj	Multi Frequency Eddy Current Non Destructive Evaluation of Aerospace Structures	ASNT (American Society Non Destructive Test) symposium, USA 24 to 27 March 2014.
4.	Dr Tariq Mairaj	Efficient GWUT Signal Processing for Wireless NDE	ASNT (American Society Non Destructive Test) symposium, USA 24 to 27 March 2014.
5.	Dr Sameer Qazi	Migrate to IPv6 on 6PE with MPLS-TW: Questions on Feasibility and Reluctance in Deployment	Accepted to appear in smart Computing Review Smart Computing Review, vol. 4, no. 2, April 2014 DOI: 10.6029/smartcr.2014.02.001 91, pp 91-107
6.	Dr. Arshad Aziz,	Compact Implementation of SHA3-512 on FPGA	IEEE Conference on Information Assurance and Cyber Security 2014 (CIACS-2014), 12-14 June 2014, Rawalpindi, Pakistan ISBN: 978-1-4799-5852-8.
7.	Dr. Muhammad Bilal Kadri	Control of Under-Actuated Two-Link ROBOT with Hybrid LQ-Fuzzy Controller”	International Conference on Robotics & Emerging Allied Technologies in Engineering (iCREATE), 22 nd -24 th April 2014, Islamabad, Pakistan.
8.	Dr.Muhammad Bilal Kadri	Close Loop Performance Analysis of Under-Actuated Two-Link Robot over Networked Control System”	International Conference on Robotics & Emerging Allied Technologies in Engineering (iCREATE), 22 nd -24 th April 2014, Islamabad, Pakistan.
9.	Dr.Muhammad Bilal Kadri	Fuzzy Scheduled Gain Middleware for Networked Control Systems”	International Conference on Robotics & Emerging Allied Technologies in Engineering (iCREATE), 22 nd -24 th April 2014, Islamabad, Pakistan.

10.	Talal Khan Zai, Asst. Professor Nusrat Husain , Qamar Zia, Muhammad Usman	Applications of Advanced Power Electronics in Harnessing Electrical Power from DFIG and PMSG Based Wind Farms and Associated Power Quality Issues	International Conference on Engineering & Emerging Technologies (ICEET), Superior University Lahore (March 20 – 21, 2014)
11.	Talal Khan Zai, Asst. Professor Nusrat Husain , Qamar Zia, Muhammad Usman	Stand-Alone and Grid Connected Operations of Wind Turbine under different Circumstances	1 st International Young Engineers Convention (FIYEC), Lahore (April 18 – 20, 2014)
12.	Talal Khan Zai, Asst. Professor Nusrat Husain , Qamar Zia, Muhammad Usman	Advanced Trends in Harnessing Electrical Power by Wind Farms using DFIG and Back-to-Back Converters	29 th IEEEEP Student Research Seminar, MUET Jamshoro (February 22, 2014)
13	S. Fahad Bin Shakil, Asst. Professor Nusrat Husain , M.Daniyal Wasim, Shayan Junaid	Improving the performance and efficiency of power networks using power electronics based FACTS controllers	International Conference on Energy Systems and Policies, Islamabad (ICESP-2014)
14	Syed Shaheer Khurshid, Asst. Professor Nusrat Husain , M. Arsalan Mushtaq, Usman Farooq	Interconnection of Asynchronous Power Grids Using VSC-HVDC Systems	International Multi-topic Conference (IMTIC) Mehran University Jamshoro Pakistan, 11-13 Feb 2015

Journal Research Papers

S.No	Name of Authors (Please highlight NUST's authors)	Title of Paper	Title of Journal, ISSN, Volume, Number or Issue No, Pages No. and Date of Publication, Web-link
1.	Dr Muhammad Junaid Khan,	Adaptive sliding mode dynamic controller with integrator in the lop for non-holonomic wheeled mobile robot trajectory tracking	International Journal of Control, Dec 2013, pages 964-975, DOL: 10.1080/00207179.2013.862597
2.	Dr Shafiq R. Qureshi, Dr Waqar A Khan	EPDM Based Double Slope Triangular Enclosure Solar Collector: A Novel Approach.	The Scientific World Journal, Vol. 2014, Artile ID 576101, 6 pages 2014 Article ID 576101, 6 pages, 2014. Doi: 10. 1155/2014/576101
3.	Dr Muhammad Bilal Kadri	Rejecting Multiplicative Input Disturbance Using Fuzzy Model-Free Adaptive Control	Arabian Journal for Science and Engineering, Print ISSN:1319-8025, Online ISSN:2191-4281, Volume 39, Issue 3, Pages 2381-2392, March 2014
4.	Dr Muhammad Bilal Kadri	Disturbance Rejection using Fuzzy Model Free Adaptive Control (FMFAC) with Adaptive Conditional Defuzzification Threshold	Journal of the Franklin Institute, Engineering and Applied Mathematics, Vol 351, pp 3013-3031,
5.	Muhammad Bilal Kadri, Waqar .Ahmad.Khan	Application of genetic algorithms in non-linear heat conduction problems",	The Scientific World Journal
6.	Muhammad Bilal Kadri,	Fuzzy Relational Control of Uncertain Systems"	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol 22(2), pp 243-261, 2014 (Impact Factor 0.886)
7.	Dr. Khawaja Bilal Mahmood	Analytical Comparison of Wideband Microstrip Log-Periodic and Co- Planar Waveguide Antennas	Wileys Microwave and Optical Technology Letters, Vol. 56, No. 8, pp. 1854-1860, Aug 2014
8.	Syed Nazeer Alam,	Computation and modeling of the variability in electron concentration and refractive index for F2 layer at Pakistan region	Proceedings of the Pakistan Academy of Sciences, ISSN: 03772969, Volume 51, Issue 1, Pages 67-81, March 2014
9.	Syed Nazeer Alam	Dynamic s of electron concentration for ionospheric region of Pakistan	Pakistan journal of scientific and industrial research series A; physical sciences, vol 67, no.2, May June 2014, ISSN 221-6413(print; ISSN 2223- 2559)online page 63-69

10.	Dr. Sameer Qazi	Migrate to IPv6 on 6PE with MPLS-TE: Questions on Feasibility and Reluctance in Deployment	in Smart Computing Review, Volume 4, Issue 2, pp 91-107, 30 April 2014, DOI: 10.6029/smartcr.2014.02.001, ISSN 2234-4624. (2014) (DBLP indexed)
11.	Dr. Arshad Aziz	High Level Implementation of DES	International Conference on Engineering & Emerging Technologies 2014 (ICEET-2014) 20-21 March 2014, Lahore Pakistan.
12.	Dr. Arshad Aziz	Comparison between FPGA Logic Resources and Embedded Resources Used By Discrete Arithmetic (DA) Architecture to Design FIR Filter	International Journal of Scientific Engineering and Technology Volume No.3 Issue No.4, pp: 440-443, (ISSN: 2277-1581), 1 April 2014 [Ulrich Indexed].
13.	Dr Waqar Ahmad Khan	Solution of nonlinear boundary layer equation for flat plate via optimal homotopy asymptotic method	Heat Transfer - Asian Research, ISSN:10992871, Volume 43, Issue 3, Pages 197-203, May 2014
14.	Muhammad Yasin, Dr. Pervez Akhtar	Mathematical Model of Bessel Beamformer with Automatic Gain Control for Smart Antenna Array System	Arabian Journal for Science and Engineering, ISBN/ISSN Number: 1319-8025 (Print), 2191-4281 (Online), Edition/Volume Number: DOL: 10.1007/s13369-1089-4, pages 8. http://link.springer.com/journal/13369
15.	Muhammad Yasin, Dr.Pervez Akhtar	Mathematical Model of Bessel Beamformer with Automatic Gain Control for Smart Antenna Array System in Rayleigh Fading Channel	IEEJ Transactions on Electrical and Electronic Engineering, ISBN/ISSN number 1931-4973 (print), 1931-4981 (online), Edition/Volume Number: vol. 9, 3, 2014 Dol:10.1002/tec.21960, pages published: 6
16.	Muhammad Yasin, Dr.Pervez Akhtar	Design and Performance Analysis of Live Model of Bessel Beamformer for Adaptive Array System	The international Journal for Computation and Mathematics in Electrical and Electronic Engineering. ISBN/ISSN number 0332-1649, Vol. 33, Bi.4,07 July 2014 pages 13. www.emeraldinsight.com/journals.htm?issn=0332-1649
17.	Dr Suhail Zaki Farooqui	Prospects of renewables penetration in the energy mix of Pakistan	Renewable and Sustainable Energy Reviews, ISSN:1364-0321, Volume 29, Pages 693-700, January 2014
18.	Dr. Suhail Zaki Farooqui	A review of vacuum tube based solar cookers with the experimental determination of energy	Renewable and Sustainable Energy Reviews, ISSN: 13640321, Volume 31, Pages 439-445, March 2014

		and energy efficiencies of a single vacuum tube based prototype	
19.	Syed Rizwan-ul-Haq Tirmizi,	Mathematical analysis of side effects of HIV/AIDS medication	Bangladesh Journal of Medical Science, ISSN:20760299, Volume 13, Issue 2, Pages 119-123, 2014
20.	Khan ZH, Khan WA	MHD stagnation point ferrofluid flow and heat transfer toward a stretching sheet	IEEE Transactions on Nanotechnology, ISSN: 1536125X, Volume 13, Issue 1, Article number 6648444, Pages 35-40, January 2014
21.	Babar M, Rizvi AA, Al-Ammar EA, Malik NH	Analytical Model of Multi-junction Solar Cell	Arabian Journal for Science and Engineering, ISSN:13198025, Volume 39, Issue 1, Pages 547-555, January 2014
22.	Ahmad R, Khan WA	Numerical study of heat and mass transfer MHD viscous flow over a moving wedge in the presence of viscous dissipation and heat source/sink with convective boundary condition	Heat Transfer - Asian Research, ISSN:1099-2871, Volume 43, Issue 1, Pages 17-38, January 2014
23.	Salman Nisar, Sohaib Zia Khan, Muhammad Ali Khan,	Comparison of Cut Path Deviation Between CO2 and Diode Lasers in Float-Glass Cutting	Journal of Russian Laser Research, ISSN: 1071-2836, Volume 35, Issue 2, Pages 182-192, March 2014, Springer US
24.	Sajid Saleem and Abdul Samiah	Pragmatic Analysis of Diffusion in Computer Networks	Bahria University Journal of Information & Communication Technologies, ISSN: Printed: 1999-4974, Online: 2304-7593, Vol-7, December 2014 (Submitted)
25.	Alia Arshad, Kanwal Aslam, Dur-e-Shahwar Kundi, and Dr. Arshad Aziz	FPGA Implementation of Advance Encryption Standard Using Xilinx System Generator	Asian Journal of Applied Sciences, Vol. 02, No. 02, pp: 190-198, (ISSN: 2321-0893), April 2014 [Scopus Indexed].
26.	Ashraf Yahya, Nusrat Hussain, Dr Syed M Usman Ali	Multilevel Inverter-a survey for MV and HV applications	International Journal of Scientific & Engineering Research, Volume 6, Issue 1, pp 1453 -1460, January-2015 ISSN 2229-5518
27.	Ashraf Yahya, Talha Waqar, Nusrat Hussain, Dr Syed M Usman Ali	Hybrid Multilevel Topology Based High Power Quality Inverter	Journal Of Engineering Science And Technology 2(9):3159-40, October 2015

Book/Chapter Publication

S.No	Name of Authors (Please highlight NUST's authors)	Title of Book/Chapter	Title of Book, ISBN, Edition No, Pages No, Date of Publication, Publisher and web link
1.	Dr. Khawaja Bilal Mahmood	Microstrip Patch Antenna Array For LTE AND MIMO Applications: Design, Simulation and Characterization Study of a Dual Band Antenna Array	Publisher: VDM-Verlag, ISBN: 978-3-8484-1418-5 Date: January 2014
2.	Bilal Muhammad Khan,	High Quality of Service and Energy Efficient MAC Protocols for Wireless Sensor Networks	Book on Inter-cooperative Collective Intelligence: Techniques and Applications Studies in Computational Intelligence, Print ISBN:978-3-642-35015-3:Online ISBN:978-3-642-35016-0, Volume 495, Pages 315-348, DOI:10.1007/978-3-642-35016-0_12, 2014