

Prof. Majid Jamil
Head, Dept. of EED

Patent (s):

1. Khwaja M Rafi, Majid Jamil, Neena Ahuja, "90-95% Methane production from Kitchen Waste by Anaerobic Digestion Process" Patent application no"1085/DEL/2014"on dated 22-04-2014.

International/National Refereed Journals:

1. Majid Jamil, M. Rizwan and D. P. Kothari, "Generalized Neural Network Approach for Global Solar Energy Estimation in India," IEEE Transactions on Sustainable Energy, USA, Vol. 3, No. 3, July 2012, pp. 576-584. ISSN: 1949-3029.
2. Majid Jamil, M. Rizwan, and D. P. Kothari, "Solar Energy Estimation using REST Model for PV-ECS based Distributed Power Generating System", Solar Energy Materials & Solar Cells: An International Journal (Elsevier), North-Holland, Vol. 94, pp. 1324-1328, 2010. ISSN: 0927-0248, Impact Factor: 4.593.
3. Majid Jamil, M. Rizwan, Sheeraz Kirmani and D. P. Kothari, "Fuzzy Logic based Modeling and Estimation of Global Solar Energy using Meteorological Parameters", Accepted for Publication in Energy: The International Journal (Elsevier), USA, Vol. 68, 2014. ISSN: 0360-5442, Impact Factor: 3.651.
4. Majid Jamil, M. Rizwan, Md. Abul Kalam and A. Q. Ansari, "Generalized Neural Network and Wavelet Transform based Approach for Fault Location Estimation of a Transmission Line", Applied Soft Computing (Elsevier), UK, Vol. 19, pp. 322-332, 2014. ISSN: 1568-4946, Impact Factor: 2.14.
5. Majid Jamil, M. Rizwan and Sheeraz Kirmani, "Empirical Correlation of Estimating Global Solar Radiation Using Meteorological Parameters", International Journal of Sustainable Energy (Taylor & Francis), UK, pp. 1-13, 2013. ISSN 1478-6451 (print), 1478-646X (online).
6. Majid Jamil, M. Rizwan and Ahmed Sharique Anees, "SPV based Water Pumping System for an Academic Institution", American Journal of Electrical Power and Energy Systems, USA, Vol. 1, No. 1, pp. 1-7, 2012. ISSN: 2326-912X (Print), 2326-9200 (Online).
7. Majid Jamil, M. Rizwan, Md. Abul Kalam and A. Q. Ansari, "Wavelet-FFNN based Fault Location Estimation of a Transmission Line", Electrical Engineering Research (EER), an International Refereed Journal, USA, Vol. 1, No. 3, pp. 77-82, 2013. ISSN: 2327-7254 (print), 2327-7564 (online).
8. Majid Jamil, M. Rizwan and Sheeraz Kirmani, "Techno-Economic Feasibility Analysis of Solar Photovoltaic Power Generation: A Review", International Journal of Smart Grid and Renewable Energy, USA, Vol. 3, No. 4, pp.266-274, 2012. ISSN Print: 2151-481X, Online: 2151-4844.

9. Majid Jamil, M. Rizwan and D. P. Kothari, "Solar Energy Estimation using REST2 Model", International Journal on Energy & Environment, Vol. 1, pp. 367-374, 2010. ISSN 2076-2895 (Print), ISSN 2076-2909 (Online).
10. Majid Jamil, M. Rizwan and D. P. Kothari, "Performance Evaluation of Solar Irradiance Models: A Comparative Study", International Journal of Electronics & Electrical Engineering (IJEEE), Vol. 1, pp 142-151, 2009. ISSN 0974-2042.
11. Majid Jamil, M. Rizwan and Sirajuddin Ahmed "Feasibility of Import of Hydro Power to India from its Neighbouring Countries and Environmental Benefits", National Journal "CURIE", Published by BITS Pilani, Vol. 1, pp 49-56, 2008. ISSN: 0974-1305.
12. Majid Jamil, Parmod Kumar, Mini S. Thomas, Moinuddin, "Sensitivity Analysis of Fault Quantities", International Journal of Electrical Power and Energy System, London U.K., Vol. 22, No. 2, 2000. pp – 147-153.
13. Majid Jamil "Current Status of Petri Nets Theory in Power Systems", International Journal of Electric Power Component and System, USA, Vol 33, 2005, pp 263-276.
14. Majid Jamil, Khwaja M Rafi, Neena Ahuja, "Customized Biogas based Distributed Power Generation" Invert's Journal for Renewable Energy-Vol. 2, No. 4, pp. 182-190, 2012.
15. Jamil M., Rafi K M.; Neena A., "A Hybrid Model For The Energy Generation Through IRES in Faridabad" S&T Journal-Global Sci-Tech (ISSN 0975-9638)- Vol. 3, No.2, pp 83-86, 2010.
16. Majid Jamil, Rashmi Jain, Anwar S Siddiqui, C P Gupta, "FACTS Application for Congestion Management Using Fuzzy Logic", Int. J. on Recent Trends in Engineering and Technology, Vol. 6, No. 2, Nov 2011, ACEEE, pp 140 - 146.
17. Majid Jamil, Anwar S Siddiqui, Rashmi Jain, C P Gupta, "Congestion Management in High Voltage Transmission Line Using TCSC" Vol. 3(8), pp. 151-161, October 2011, Journal of Electrical and Electronics Engineering Research, UK, ISSN-2141- 2367.
18. Majid Jamil and Amit Sharma, "Distribution system contingency using coloured Petri nets", International Journal of Engineering Research & Industrial Applications, IJERIA, India Vol. 1, No. 3, 2008, pp – 1-18.
19. Majid Jamil, R Radhakrishnan, Shabana Mehruz, Moinuddin, "Solution for Mobile IPv6 security problem", International Journal of Computer Science and Network Security, Vol. 8, No.5, May 2008, pp 243-240.
20. Majid Jamil, R Radhakrishnan, Shabana Mehruz, Moinuddin, "A robust return routability procedure for mobile IPv6", International Journal of Computer Science and Network Security, IJCSNS, Vol. 8, No.5, May 2008, pp 243-240.
21. Majid Jamil, Sheeraz Kirmani, Chakresh Kumar, M Jamil Ahmed "Techno Economic Feasibility Analysis of Solar Energy Based Distributed generation System to electrify a

- rural Area Household in India”. International Journal of Engineering Science and Technology. Vol 2(10), 2010, 5231-37.
22. Majid Jamil, "Intelligent Protection of Transmission line Using Fuzzy Logic", Electrical India, Vol 50, No2, February 2010, pp 60-65.
 23. Majid Jamil, Shabana Mehruz, Bal Krishna "Fuzzy Logic Based Analysis of Effect of Electrical and Physical Conditions on Electrical Parameters of ACSR Conductors" Journal of Engineering & Technology Education, India, Volume I, No 1 January- June 2007, pp30-37.
 24. Majid Jamil, Khwaja M Rafi, Neena Ahuja, “Customized Biogas based Distributed Power Generation” Invert’s Journal for Renewable Energy- Vol. 2, No. 4, pp. 182-190, 2012.

International/National Conferences Proceedings:

25. Majid Jamil, Ahmed Sharique Anees and M. Rizwan "Fault Location Scheme on a Three Phase Transmission Line using Synchronized Phasor Measurement", IEEE India International Conference on Power Electronics (IICPE-2012), organized by Delhi Technological University, Delhi, India during December 06-08, 2012.
26. Majid Jamil, Sheeraz Kirman, M. Rizwan, “Optimal Placement of SPV based DG System for Loss Reduction in Radial Distribution Network Using Heuristic Search Strategies”, Proceedings of IEEE International Conference on Energy, Automation and Signal (ICEAS 2011), Bhubaneswar, India, during December 28-30, 2011.
27. Majid Jamil, M. Rizwan and D. P. Kothari, "Assessment of SPV System using ANN and VHDL", Proceedings of IEEE International Conference on Power Electronics Drives & Energy Systems (PEDES-2010), organized by IIT Delhi, during December 20-23, 2010.
28. Majid Jamil, M. Rizwan, D. P. Kothari and Kimmi Verma, "Estimation of Global Solar Irradiance using Regression Model for Jodhpur, India", Proceedings of International Symposium on Photovoltaic Science & Technology, organized by IIT Kanpur on January 13, 2010, pp. 43-47.
29. Majid Jamil, M. Rizwan and D. P. Kothari, "A High Performance Model to Predict Global & Diffuse Radiation on Horizontal Surface for Various Solar Energy Applications", Proceedings of International Conference on Renewable Energy Asia (REA) entitled Energy and Environment for Sustainable Development, organized by IIT Delhi during December 11-13, 2008, pp. 351-356.
30. Majid Jamil, M. Rizwan, D. P. Kothari and Sheeraz Kirmani, "Design and Economic Analysis of SPV System for Domestic Load Demand: A Case Study”, Proceedings of National Seminar on Micro Solar Energy Generation and Utilization, organized by IIT, Kanpur during September 3-4, 2011, pp. 27-31.
31. Majid Jamil, M. Rizwan and D. P. Kothari, “Global Solar Energy Prediction using GNN”, Proceedings of National Conference on Power, Instrumentation, Energy and Control (NCPICE-2011) organized by AMU Aligarh, India, 12-13 February, 2011, pp. 254-257.

32. Majid Jamil and M. Rizwan, "Performance Evaluation of REST 2 Model for the Estimation of Solar Irradiance under Cloudless Sky", Proceedings of National Conference on Problems Practices and Prospects in Power Distribution System, Operation & Control organized by Punjab Engineering College, Chandigarh during January 23-24, 2009, pp. 253-256.
33. Majid Jamil, M. Rizwan and D. P. Kothari, " Prediction of Solar Irradiance Using Broadband Models: Validation of REST 2 Model", Proceedings of National System Conference entitled Energy Systems and Optimization (NSC 2008), organized by IIT Roorkee, during December 17-19, 2008, pp.1-1.
34. Majid Jamil and M. Rizwan, "Estimation of Solar Irradiance for PV- ECS based Distributed Power Generation", Proceedings of National Conference on the Emerging Trends in the Photovoltaic Energy Generation and Utilization (NCETPEGU) organized by IIT, Kanpur during 27-29 March, 2008.
35. Majid Jamil, Md.Abul Kalam and A.Q. Ansari, "Wavelet based ANN Approach for fault location on a transmission line", Proceedings of International IEEE Conference on Power Electronics Drives & Energy Systems (PEDES 2010 - Power India) organized by IIT Delhi, India during 21-23, December, 2010.
36. Majid Jamil, Md. Abul Kalam and A.Q. Ansari, "Fault Classification of Three Phase Transmission Line Using Fuzzy Logic", Proceedings of National Conference on Recent Advances in Electrical and Electronics Engineering , RAEEE-09, NIT Hamirpur, during 23-24, December, 2009.
37. Majid Jamil, Md.Abul Kalam and A.Q. Ansari, "Intelligent Protection Scheme of Three Phase Transmission line", National Conference on Power Electronics & Intelligent Control (NCPEIC2012), MNIT Jaipur, during 1-2, November, 2012.
38. Majid Jamil and Ahmed Sharique Anees, "Grid Integration of Renewable Energy Sources: Challenges, Issues and Possible Solutions", 5th IEEE India International Conference of Power Electronics 2012, to be held at DTU during December 6-8, 2012.
39. Majid Jamil and Ahmed Sharique Anees, "Synchronized Phasor Measurement Approach for Fault Location on a Three Phase Transmission Line" in the proceeding of National Conference on power, Instrumentation, Energy and Control (PICON) at AMU Aligarh During 12-13 Feb 2011.
40. Majid Jamil, Abrar Ahmad, Ahmed Sharique Anees, A.S. Siddiqui, "Techno-Economic Analysis of Standalone Solar Fed AC Vs DC System" in International Conference on Energy Security, Global Warming and sustainable climate (SOLARIS 2012), Organized by IIT Delhi, during February 7-9, 2012
41. Majid Jamil, Ahmed Sharique Anees, and Mona Subramaniam "Distributed generation: An efficient method for power fluctuation reduction in SPV plant connected to grid" in the proceeding of IEEE sponsored National Conference on Energy Power and Intelligent Control Systems (EPICS) at Galgotia College of Engineering and Technology, Greater Noida, During 28-29 March 2014.

42. Jamil M.; Rafi K.M.; Mubeen A, "Energy Potential & Generation through IRES in City of Faridabad-India" IEEE Conference Publications, Global Humanitarian Technology Conference-USA, Page(s): 238–241-2011, Digital Object Identifier: 10.1109/GHTC.2011.87,
43. Majid Jamil, Rashmi Jain, Anwar S Siddiqui, C P Gupta, and Ruchi Makein, "Genetic Programming for Congestion management using FACTS Devices", National Electricrical Engineering Conference (NEEC-2011), Delhi Technical University, Delhi, December 16 - 17, 2011.
44. Majid Jamil, Khwaja M Rafi and Neena Ahuja, "Biogas based stand alone Distributed Power Generation System" The 12th Indian Science Communication Congress (ISCC-2012), at INSA, New Delhi, Sponsored by NCSTC, DST, Govt. of India, December 17-21, 2012.
45. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, " Fault Identification on Three Phase Transmission Line using Fuzzy Logic' International conference on Systemics, Cybernatics and Informatics held in May 2001 at Orlando, Florida USA.
46. Majid Jamil, A.S Siddiqui, M.A Khan and Moinuddin, "Shunt Fault Detection in a three phase transmission line using ANN' International conference on Systemics, Cybernatics and Informatics held in May 2001 at Orendo, Florida USA.
47. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, "Modeling of EHV Transmission Line Protection Scheme using Petri Nets", IEEE International Conference on Industrial Technology (ICIT2000) Goa, Vol. 2 of 2, January 19-22, 2000, pp 633-637.
48. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, "An Improved Scheme Based on Fuzzy Logic for EHV Transmission Line Protection", Proceeding of 11th IEE International Symposium on High Voltage Engineering held on 23-27 August, 1999, London (UK) pp-1.360.P6-1.364.P6.
49. MajidJamil, Parmod Kumar, Mini S. Thomas, Moinuddin, "Fuzzy Approach to Fault Classification for Transmission Line Protection", Proceeding of IEEE Region Tencon Conference TENCON '99, Cheju, Korea on September 15 – 17, 1999.
50. Majid Jamil, Mumtaz Ahmad Khan, "Electromagnetic Fields their Biological and Environmental Effects", Proceeding of the International Conference on Environmental challenges for the new Millenium, held on Nov. 25-27, 1999 at JamiaMilliaIslamia, New Delhi, pp 670-676.
51. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, "Wave Propagation in a Faulty Unbalanced EHV Lines", Proceeding, Tencon 98, IEEE Region Tencon Conference, New Delhi, in Dec. 1998, pp-428-431.
52. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, "A New Travelling Wave Based Scheme for Fault Detection on EHV Transmission Line", Proceeding of International Conference on "Modern Trends in the Protection Schemes of Electric Power Apparatus and Systems" 28–30 Oct. 1998, New Delhi, IV pp 1-6.

53. Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar, "Sensitivity Analysis of Sequence Filter", Proceeding of International Conference on Power Generation System Planning and Operation held at IIT, New Delhi on 12-13 December 1997, India, pp-271-275.
54. Majid Jamil, andIbraheem, "Decentralized Sub-Optimal AGC Regulator Design of a 2-Area Interconnected Power System with Reheat Thermal Plants Considering Generation Rate Constraint", Proceeding of International Conference on Power Systems & Machines, Tehran, Iran, 1994.
55. Majid Jamil, Rashmi Jain, Manisha Gupta, Anwar S Siddiqui and C P Gupta, 'Dynamic Analysis of Two Machine System Using UPFC', Proceedings of National Conference on Power, Instrumentation, Energy and Control (PiCON-2011), ISBN: 978- 93-80510-95-8, p.p. 77-84, AMU, Aligarh, India, 12 – 13 Feb 2011.
56. Majid Jamil, Rashmi Jain, A S Siddiqui, Sonia Bansaland C P Gupta, 'Static Var Compensator Controller Design Using Genetic Algorithm', International conference on Electrical Power and Energy Systems, August 26-28, 2010, NIIT, Bhopal (M.P.) 462051.
57. Majid Jamil, Rashmi Jain, C P Gupta and A S Siddiqui, 'Analytical Analysis of SVC Model', International Conference on Computer Applications in Electrical Engineering-Recent Advances, IIT Roorkee, (Uttarakhand) India, February, 19 – 21, 2010.
58. Majid Jamiland Amit Sharma, "Solving Distribution System Overload Contingency Using Fuzzy Multi-Objective Approach Considering Customer Load Pattern" Proceeding of World Congress on Engineering and Computer Science 2009 WCECS 2009, held at University of California, Berkeley, San Francisco, USA, 20-22nd October 2009, vol 1,pp 520-526
59. Majid Jamil, R Radhakrishnan, ShabanaMehfuz, Moinuddin, "Security issues in Mobile IPv6", ICCNS08, International Conference of Computers Networks and Security, Sep 27-28, 2008, PP: 293-296.
60. Majid Jamil, R Radhakrishnan, ShabanaMehfuz, Moinuddin "Security issues in IPv6", International Conference on Networking and Services ICNS 2007, - Athens, Greece June 19-25, 2007.
61. MajidJamil, Viktor Popve, Sirajuddin Ahmed, ZahidAkhtar Khan, "Management of Electricity Generation Using Taguchi Approach", International Conference on Energy and Sustainability, The New Forest, UK, 20 - 22 June 2007.
62. Majid Jamil and P Prabhakaran, "Identification of Power Quality Disturbances in a three Phase Induction Motor using Fuzzy Logic" IASTED International Conference on Control and Applications, Canada, April 2006, pp 529-533.
63. Majid Jamiland Bal Krishna, "Fuzzy logic based fault classification and localization scheme for digital distance protection", National Conference on Power System Analysis, Control and Optimization, Vishakhapatnam, March 13-15, 2008.

64. Majid Jamil and J. E. Jasmine, "Fault identification in high voltage transmission using ANN", National Conference on Applications of Intelligent Systems, Hindu College of engineering, Sonapat, March 13-15, 2008.
65. Majid Jamil, Shabana Mahfouz, Bal Krishna, "Fuzzy Model to Study Effect of Different Physical Condition on Electrical Parameters of ACSR Conductors", National Conference on Power Electronics and Intelligent Control-2007, MNIT, Jaipur, March 17-18, 2007.
66. Majid Jamil , Rashmi Jain, Manisha Hooda, Anwar S. Siddiqui, and C. P. Gupta, "Dynamic Analysis of Two Machine System using UPFC," Proceedings of National Conference on Power, Instrumentation, Energy & Control (PICON 2011), Organized by Department of Electrical Engineering, AMU Aligarh, pp. 77-84, during February 12-13, 2011.

Prof. Mini S. Thomas
Professor

Journals:

1. Mini S. Thomas, Anupama Prakash, D P Kothari, "Design Development & commissioning of A Substation Automation Laboratory to enhance learning", IEEE Transactions on Education, Vol 54, No 2, May 2011, 286-293.
2. Mini S. Thomas, Iqbal Ali, Reliable, "Fast and Deterministic Substation Communication Network Architecture and its Performance Simulation", IEEE Transactions on Power Delivery, Vol 25, No 4, Oct 2010, 2364-70.
3. Mini S. Thomas, "Remote Control", IEEE Power & Energy Magazine Vol 8, No 4, July/August 2010, 53-60.
4. Mini S. Thomas, Parmod Kumar, Vinay Chandna, "Design Development and Commissioning of a Supervisory Control And data Acquisition (SCADA) Lab for Training and Research", IEEE Transactions on Power Systems Vol 19, No: 3, August 2004, 1582-1588.
5. Parmod Kumar, Vinay Chandna, Mini S. Thomas, "Fuzzy genetic Algorithm for Pre-Processing data at RTU", IEEE Transactions on Power Systems Vol 19, No: 2, May '04, 718-723.
6. Parmod Kumar, Vinay Chandna, Mini S. Thomas, "Intelligent Algorithms for pre-processing Multiple data at RTU", IEEE Transactions on Power Systems, Vol 18, No: 4, Nov 2003, 1566-72.
7. Seema Arora, Vinay Chandna, Mini S Thomas, "Performance analysis of 16 QAM using OFDM for transmission of Data over Power lines", Elsevier Energy Procedia, Vol 14, 2012, 1723-1729.

8. Ikbali Ali, Mini Thomas, Pawan Kumar, "Optimal Capacitor placement in smart distribution system to improve loadability and energy efficiency", International Journal of Engineering, science and Technology, Vol 3, No 8, 2011, 271-284.
9. Roma Raina, Mini S Thomas, "Probabilistic Fuzzy approach to assess RDS", International journal of Energy and Power, 330-338.
10. Rakesh Ranjan, "Vulnerability and Plan Corrective Action Using Feeder Reconfiguration", engineering science Research EPE Vol 4, no 5, September 2012.
11. Roma Raina, Mini S Thomas, Rakesh Ranjan, "Fuzzy versus probabilistic techniques to address uncertainty for radial load flow simulation", International journal of Energy and Power engineering science Research EPE Vol 4, No 2, March 2012, 99-105.
12. Shakeb A Khan, Alka Nigam, A K Aggarwala, Mini S Thomas, "Advanced Oscilloscope triggering based on Signal Frequency", Sensors & Transducers Vol 136, No 1, January 2012, 105-117.
13. Shakeb A. Khan, Alka Nigam, A.K. Aggarwala, Mini S. Thomas, "Performance Evaluation and Robustness Testing of adv Oscilloscope Triggering Schemes", Sensors & Transducers Vol 112, No 1, January 2010, 95-106.
14. Ikbali Ali, Mini S. Thomas, Sunil Gupta, "Substation Communication Architecture to Realize the Future Smart Grid", International Journal of Energy Technologies & Policies, Vol. 1, No. 4, 2011, ISSN 2224-3232 (Paper), ISSN 2225-0573.
15. Mini S. Thomas, Ikbali Ali, Nitin Gupta, "Interoperability Framework for Data Exchange between Legacy and Advanced Metering Infrastructure", International Journal of Energy Technologies & Policies, Vol. 2, No.1, 2012, ISSN 2224-3232 (Paper), ISSN 2225-0573.
16. Parmod Kumar, Majid Jamil, Mini S. Thomas, Moinuddin, "Sensitivity Analysis of Fault Quantities, Electrical Power and Energy Systems Vol 22, No:2, 2000, 147-153.
17. Mini S. Thomas, C.S.Indulkar, "Statistical Evaluation of Peak Switching Overvoltages in EHV Underground Cables", International Journal of Power and Energy System, Vol.14, No:1,1994, 34-38.
18. Mini S. Thomas, C.S. Indulkar, "Sensitivity Analysis of Modal Quantities for Underground Cables Considering Dielectric loss", Electric Machines and Power Systems, Vol.18, No:2,1990, 83-90.
19. K. Ramar, M. Krishnamoorthi, T. Mini Paul, "A new Generalized Approach to fault Analysis of High phase order Transmission Systems", Electric Machine and Power Systems, Vol. 15, No:1,1988, 49-62.
20. Mini S. Thomas, C.S. Indulkar, P.R. Bijwe, "Sensitivity Analysis of Peak Switching Over Voltages in Underground Cables", Electric Machines and Power Systems, Vol.16, No:5,1989, 331-42.

21. Parmod Kumar, Rachana Garg, Mini S. Thomas, "Predetermination of Corona Noise due to HVAC lines", Journal of Institution of Engineers (I) Vol. 86, 2006, 239-243.
22. Parmod Kumar, Rachana Garg, Mini S. Thomas, "Fuzzy Model of Corona Current Signals for EHV lines", Journal of Institution of Engineers (I) Vol. 86, 2006, 244-248.
23. Parmod Kumar, Rachana Garg, Mini S. Thomas, "Sensitivity analysis of corona Noise Interference due to EHV Lines", Journal of Institution of Engineers (I) Vol. 79, 1999, 182-185.
24. Mini S. Thomas, C.S. Indulkar, P.R. Bijwe, "Sensitivity Analysis of Peak Switching Over Voltages on EHV Overhead Lines", Journal of Institution of Engineers (I) Vol. 71, 1991, 253-257.
25. Mini S. Thomas, C.S. Indulkar, P. R. Bijwe, "Deterministic and Probabilistic Analysis of Modal Quantities for Underground Cables Considering Dielectric Loss", Journal of Institution of Engineers (I) Vol. 74, 1994 * Best paper award by Institution of Engineers, 66-71.
26. Mini S. Thomas, C. S. Indulkar, P. R. Bijwe, "Discussion on Over voltages in Power Transformers Caused by No-Load Switching", IEEE Transactions on Power Delivery 1994, 256-257.
27. Mini S Thomas, "The promise of small scale renewable energy and the Smart grid", Vol 4, Issue 3, July- September 2011, 53-55.
28. Mini S Thomas, Smarter Grid, "smart grid can give clean, reliable, green energy", MIT Technology Review, Oct 2011,
29. Mini S Thomas, "Smart grid, the energy internet of the future", Technology Issue, The Hindu, 1st December 2011, 10

**Prof. Ibraheem
Professor**

a) Journals

1. Naimul Hasan, Ibraheem and Prabhat kumar, "Optimal automatic Generation Control of interconnected power system considering new structure of "Q" Vol-41, pp.136-156, 2013. (Taylor & Francis)
2. Naimul Hasan, Ibraheem and Shuaib Farooq, "Real time simulation of automatic generation control for interconnected power system", International Journal of Electrical Engineering and Informatics, vol. 4, no.1, pp. 40-51, March 2012.
3. Ibraheem, Prabhat Kumar, Naimul Hasan and Nizamuddin, "Sub-optimal AGC of interconnected power system using output vector feedback control strategy", Electric Power Components and System, vol.40, no.9, pp. 977-994, 2012. (Taylor & Francis)

4. Naimul Hasan, Ibraheem, Prabhat Kumar and Nizamuddin “Sub-optimal automatic generation control of interconnected power system using constrained feedback control strategy”, *International Journal of Electrical Power and Energy Systems*, Vol. 43, pp.295-303, 2012. (Elsevier)
5. Ibraheem, Naimul Hasan, Prabhat Kumar and Yadav Singh, “Optimal AGC of interconnected power system with asynchronous tie-line under deregulated environment”, *Electric Power Components and System*, vol.40, no.10, pp.1208-1228, 2012. (Taylor & Francis)
6. Naimul Hasan, Ibraheem, and Prabhat Kumar, “Optimal AGC of interconnected power system with modified area control error”, *International Journal of Power and Energy Systems*, vol.32, No.4, pp 160-166, 2012. (ACTA PRESS)
7. Naimul Hasan, Ibraheem and Shuaib Farooq, “Dynamic performance analysis of DFIG based wind farm with STATCOM and SVC”, *International Journal of Emerging Technology and Advanced Engineering*, Volume 2, Issue 7, pp. 461-469, July 2012.
8. Naimul Hasan, Ibraheem and Prabhat Kumar, “Optimal Automatic Generation Control of Interconnected Power System Considering New Structures of ‘Q’ Electric Power Components and System, 2012. (Taylor & Francis) (In Press)
9. Ibraheem, Prabhat Kumar and Sadaf Naqvi “ Aggregation by Continued Fraction Method of Model Reduction: an Application to Siso System” *International Journal of Engineering and Management Research*, Vol. 2, Issue-3, pp 20-23JUNE 2012
10. Ibraheem and Naresh Kumar yadav, “Evaluation of Shunt Reactive Power Compensation effect on ATC using Linear Methods” . *Journal of Energy and Power Engineering*, pp 784-791, May 2012.
11. Shahida Khatoon and Ibraheem “Autonomous Mobile Robot Navigatin by Combining Local and Global Techniques” *International Journal of Computer Applications* Vol 37, No.3. pp. 1-10, January 2012
12. Ibraheem and Naresh kumar yadav “Implementation of FACTS device for enhancement of ATC using PTDF” *Int. Journal of Computer and Electrical Engineering* Vol.3 No. 3, pp 342-347. June 2011
13. P. Tiwari, Ibraheem, N.K. Sharma, “Enumeration of Spanning trees of graph: alternative methods”, *Int. J. Mathematics in Operational Research*, Vol.-3, No.-2, pp-170-185, 2011
14. Ibraheem, Naimul Hasan and Omveer Singh, “GASA Tunned Optimal Fuzzy regulator for AGC of an Interconnected Power System”, *International Journal of Computer Applications*, vol.20, no.8, pp.-43-48, April 2011.
15. Ibraheem and Omveer singhOptimal Regulator for AGC of Multi-Area Interconnected Power System with AC/DC Link.”Vo-1, Issue-1, *Int. J of Power system operation and Energy Management*. pp 22-26,2011

16. Ibraheem, Omveer Singh and Naimul Hasan, "Genetic Algorithm Based Scheme for Optimization of AGC Gains of Interconnected Power System", Journal of Theoretical and Applied Information Technology, Vol. 12, no. 1, pp.33-39, 2010.
17. D.K. Chaturvedi, Ibraheem, A.K. Singh, S. Khatoon, "Modelling and Simulation of Synergism of Hydraulic and Eddy Current Absorber for Aircraft Arrester Barrier System", AMSE, France, Vol.-83, issue-2, pp. 80-88, 2010.
18. Ibraheem, N.K. Sharma & P. Tiwari, "Investigation and Analysis of Indian Power Grid after Regulatory Reforms and Dynamic Pricing", Int. J. of Engineering Sciences & Technology, Vol.-2(5), pp-1029-1036, 2010.
19. Omveer Singh, Ibraheem, "Genetic Algorithm based scheme for optimization of AGC gains of interconnected Power Systems" International Journal of Theoretical and Applied Information Technology , Vol. 12, No. 1, 2010.
20. Omveer Singh, Ibraheem,"Hybrid GA-SA based Optimal AGC of a multi-area interconnected Power System", International Journal of Electrical & Power Engg., 4(2): 78-84, 2010.
21. A.K. Singh, D.K. Chaturvedi, Ibraheem, S. Khatoon, R.K. Sharma, "Modelling Of Eddy Current Braking For Energy Absorbing System Of Aircraft Arrester Barrier System" Journal of Aerospace Science and Technologies, A.S.I.,Vol.-62, No. 3, pp 196-202, August, 2010.
22. Ibraheem, Omveer Singh and Naimul Hasan "Genetic Algorithm based scheme for optimization of AGC gains of interconnected Power Systems" International Journal of Theoretical and Applied Information Technology , Vol. 12, No. 1, 2010.
23. Ibraheem and Omveer singh Multi Layered Neural Network Technique Based Medium Load Forecasting Chapter-9, No-4 Volume-31. April-2009 Vidyut Bharti
24. Naresh kumar yadav, ibraheem, K. Anand kumar, R. Srinu Naik, K. Vaisakh "Identification of Overloading Line using ATC Linear Methods with PTDF" Vol-04,bNo.6pp.86-96, Int. Journal on Electronic & Electrical Engineering March 2009-May-2009
25. Shahida Khatoon, Mohd. Muazzam, Ibraheem, Chaturvedi D K, "Electric Demand Forecasting using Linear Programming Method in Agriculture Sector", URJAVAN, Urjavan Foundation Bombay (ISSN:1050-0591), February-March 2009 issue , p.p 6-9.
26. R. Srinu Naik, K. Vaisakh, K.Anand Kumar, Naresh Kumar Yadav, and Ibraheem "ATC Enhancement with TCSC Using Linear and Reactive Methods" Vol-03, No.4 , International Journal on Electronic& Electrical Engineering ,pp 12-22, March-May-2009
27. Ibraheem, S. Khatoon, Muazzam, B. Singh, " Electricity Demand Forecasting", Vidyut Bharati, Quaterly lournal, CEA, No.4, Vol-30, pp 8-19, April, 2008.

28. Narendra Kumar, Ibraheem, S.K.Agarwal, "A SVS Control Strategy to Damp Torsional Electromechanical Oscillations in a Series Compensated Power System, Journal of Institution of Engineers (India), IE(I), vol. 88, pp.16-21, March 2008.
29. Ibraheem, P. Kumar and S. Khatoon, "Overview of Power System Operational and Control Philosophies" International Journal of Power and Energy Systems, vol. 26, no. 1, pp. 1-11, 2006
30. Ibraheem, P.Kumar, D.P.Kothari, "Recent Philosophies of Automatic Generation Control in Power Systems" IEEE Transactions on Power Systems, vol.11, no. 3, pp. 346-357, Feb. 2005.
31. Ibraheem, P. Kumar and S. Khatoon, "Effect of Parameter Uncertainties on Dynamic Performance of an Interconnected Power System Incorporating AC/DC Links", International Journal of Power and Energy Systems, vol.25, no. 3, pp. 198-210, 2005.
32. Ibraheem, P. Kumar, "A Novel Approach To Matrix Riccati Equation Solution: An Application To Optimal Control of Interconnected Power Systems" Journal of Electric Power components and Systems (U.S.A.), vol. 32, no. 1, pp 33-52, January 2004.
33. Ibraheem, P Kumar and S. Ahmad, "Dynamic Performance Enhancement of Hydro-Power Systems with Asynchronous Tie-lines, Journal of Institution of Engineers (India), vol. 85, pp. 23-34, 2004.
34. Ibraheem and P Kumar, "Study of Dynamic Performance of Power Systems with Asynchronous Tie-lines Considering Parameter Uncertainties. Journal of Institution of Engineers (India), vol. 85, pp.35-42, 2004
35. S Selvam, Moinuddin, Ibraheem and M.T.Beg, "Estimation of Maximum Communication Overhead in Distributed Computing Systems" IETE Journal of Research, vol. 48, no. 2, 105-111, March-April 2002.
36. Ibraheem, P. Kumar "Current Status of the Indian Power System and Dynamic Performance Enhancement of Hydro-Power Systems with Asynchronous Tie-Lines" Journal of Electric Power components and Systems (U.S.A.), vol. 31, no. 7, pp 605-626, July 2003.
37. S Selvam, Moinuddin and Ibraheem, "Incorporation of Process Lifetime Distribution in Dynamic Load Balancing" Journal of the Computer Society of India (CSI), vol. 31, no. 3, 8-14, September 2001.
38. Ibraheem, P. Kumar, "Impact of Computer Technology on Environmental Studies", International Journal of Chemical and Environmental Research (India), vol. 9, no. 1&2, 2000, 145-157.
39. P. Kumar and Ibraheem, "Dynamic Performance Evaluation of 2-Area Interconnected power Systems: A Comparative Study", Journal of Institution of Engineers (India), vol. 78, March 1998, 199-209.

40 P. Kumar and Ibraheem “AGC Strategies: A Comprehensive Review”, International Journal of Power and Energy Systems, 16(2), 107-112, 1996.

b) Publications in National/International Conferences:

1. Sahida Khatoon, Ibraheem, Kaukab Naz “Intelligent Autonomous Wheeled Mobile Robots”, IEEE International Conference on “Extropianism: Towards Convergence of Human Values and Technology ” ISBN:978-93-81583-79-1 (ICECHVT-2013), pp. 95,96.
2. Sahida Khatoon, Ibraheem, Reshma Ehtesham “Eigenvalues Analysis of wind Power Generating Systems” International Conference on “Extropianism: Towards Convergence of Human Values and Technology” ISBN:978-93-81583-79-1 (ICECHVT-2013), pp. 205-208.
3. Arunesh Kumar Singh, Jitendra Kumar Singh, Ibraheem, D.K.Chaturvedi “Review on Speed Control of Induction Motor Driv” International Conference on “Extropianism: Towards Convergence of Human Values and Technology” ISBN:978-93-81583-79-1 (ICECHVT-2013), pp. 236-247.
4. Sahida Khatoon, Ibraheem, Reshma Ehtesham, Naimul Hasan “Recent Strategies for Wind Power System Operation and Control” International Conference on “Mobile And Embedded Technology ” ISBN:978-93-81583-82-1 (ICECHVT-2013), pp. 205-208.
5. Sahida Khatoon, Ibraheem, Kaukab Naz “Design and development of a Remote Controlled Two Way Communication Mobile Robot Using GSM Network” International Conference on “Mobile And Embedded Technology ” ISBN:978-93-81583-82-1 (ICECHVT-2013), pp. 205-208.
6. Naimul Hasan, Shahida Khatoon, Ibraheem and Yadav Singh, “Automatic Generation Control Problem in Interconnected Power Systems”, National Conference on “Emerging Trends in Electrical, Instrumentation & Communication Engineering (ETEIC-2012), pp. 368-374, April 6-7, 2012.
7. Shahida Khatoon, Ibraheem, Naimul Hasan, and Reshma Ehtesham “Overview of Control Technologies for Wind Power Systems, National Conference on “Emerging Trends in Electrical, Instrumentation & Communication Engineering (ETEIC-2012), pp. 368-374, April 6-7, 2012. National Conference on “Emerging Trends in Electrical, Instrumentation & Communication Engineering (ETEIC-2012), pp. 368-374, April 6-7, 2012.
8. Arunesh Kumar Singh Ibraheem,Shahida Khatoon, MD Muazzam and D K Chaturvedi, “ An Overview of Electricity Demand Forecasting Techniques”, National Conference on “Emerging Trends in Electrical, Instrumentation & Communication Engineering (ETEIC-2012), pp. 539-549, April 6-7, 2012.
9. Shahida Khatoon, Ibraheem, Naimul Hasan and Ahmad Saad Khan, “GSM Based Autopath Finding Robot”, National Conference on “Emerging Trends in Electrical, Instrumentation & Communication Engineering (ETEIC-2012), pp.382-389, April 6-7, 2012.

10. Ravindra Singh¹, M. Hanumandlu², Shahida Khatoon³, Ibraheem⁴ , “A Choquet fuzzy Integral Controller for Stabilization and Tracking Application”, Proc. International Conference on Control, Robotics and cybernetics (ICCRC 2011), March 19th -20th - 2011, New Delhi, India.
11. Ravindra Singh¹, M. Hanumandlu², Shahida Khatoon³, Ibraheem⁴ , “A novel approach based on choquet fuzzy integral controller for line of sight stabilization application ”, Proc. World Congress on Information and Communication Technologies (WICT), Dec. 11-14 2011, Mumbai, India. .
12. Ibraheem , Prabhad Kumar and Sadaf Naqvi , “Model Order Reduction Using Routh Approximation Technique: An Application to Electric Power System”, Proc. National Electrical Engineering Conference (NEEC-2011), DTU, Dec 16-17, 2011,
13. Ravindra Singh¹, M. Hanumandlu², Shahida Khatoon³, Ibraheem⁴, “Particle Swarm Optimization Trained Fuzzy Logic Controller for Line of Sight Stabilization Application, Proc. International Conference on Information, Communication & Embedded System (ICICES 2011)), Feb. 23rd – 24th - 2011, Chennai, India.
14. Omveer Singh and Ibrhaeem, “Optimal Regulator for AGC of Multi-Area Interconnected Power System with AC/DC Link” AICTE Sponsored National Conference on Recent Technologies in Electronics, VCE, Meerut, U.P., India, April 2-3, 2011.
15. Ibrhaeem, P. Kumar and Y. Singh, “Discrete Mode Optimal AGC of Interconnected Power System under Deregulated Environment”, National Conference on π -CON-2011, Aligarh, pp.135-143, 2011.
16. N. Hassan, Ibrhaeem and Nizamuddin, “Pole-Placement Technique: An Application to AGC of Interconnected Power System”, National Conference on π -CON-2011, Aligarh, pp.135-143, 2011.
17. M. Shahid, Ibrhaeem, Zaheeruddin, “Fuzzy Logic Controller for Superheated Steam Temperature Control”, National Conference on PAI-CON-2011, Aligarh, pp.- 135-143, 2011.
18. Ibrhaeem, Gulshan Sharma and Shamshad Ali, “Design of Variable Structure Controller for Load Frequency Control of an Interconnected Power System”, Proc. National Conf. on Excellence in Technology & Management (NCETM-2011), Suder Deep Engineering College, Dasana, Ghaziabad, U.P., India, May 7-8, 2011, pp. 105-108.
19. Naimul Hasan, Ibraheem, Nizamuddin “Pole-Placement Technique: An Application to AGC of Interconnected Power System”, Proc. National Conference on Power, Instrumentation, Energy & Control (π CON-2011), AMU, Aligarh, pp.156-162, Feb. 12-13, 2011.
20. Ibraheem, Naimul Hasan and Omveer Singh, “Fuzzy Logic based AGC Regulators for Power System with Asynchronous Tie-lines Incorporating Parametric Uncertainties”, International Conference on Computer & Communication Technology (ICCCT), 2011, MANIT, Allahabad, December 24-25,2011.

21. Naimul Hasan and Ibraheem, Optimal AGC Regulators for Interconnected Power Systems with Parallel AC/DC Links Considering New Structures of 'Q', National Electrical Engineering Conference (NEEC-2011), DTU, Dec 16-17, 2011
22. Naimul Hasan and Ibraheem, Sub-Optimal AGC of Interconnected Power System with Parallel AC/DC Link, , National Electrical Engineering Conference (NEEC-2011), DTU, Dec 16-17, 2011
23. Shahida Khatoon, Kaukab Naaz, Ibraheem "Design and Assembly of a Prototype Mobile Robot for Testing of GSM Based Autonomous Navigation Algorithm", International Conference on Recent Trends in Information Technology and Computer Sciences (ICRTITCS 2011), Dec. 9- 11, Mumbai, India
24. Shahida Khatoon, Arunesh Kumar Singh, D K Chaturvedi, Ibraheem, "Fuzzy Controlled Eddy Current Energy Absorbing Schemes for Aircraft Arrester Barrier Systems", International conference on agile manufacturing systems (ICAM) 2011, Agra India
25. , Kaukab Naaz, Shahida Khatoon and Ibraheem "GSM Based Power Management", Contemporary Computing: 4th International Conference, IC3 pp 449-462, 2011, Noida, India
26. Ibraheem, N. K.. Sharma and P. Tiwari, " Compatibility of Network Matrices and Possible Application in Power System", Joint International Conference on Power Electronics, Drives and Energy Systems(PEDES) & Power India, Dec. 20-23, 2010.
27. Omveer Singh, Ibraheem,"Hybrid Stochastic Search Technique based Suboptimal AGC Regulator Design for Power Systems using Constrained Feedback Control Strategy", International Conference on Modelling, Optimization, and Computing , American Institute of Physics (AIP) Conference Proceedings, Volume 1298, pp. 427-432 (2010).
28. Omveer Singh and Ibraheem," Application of Hybrid Stochastic Search Technique to Sub-Optimal AGC Regulator Design for Interconnected Power Systems " IEEE in-sponsored International Conference on Electrical Power and Energy Systems (ICEPES – 2010), 26-28 Aug. 2010.
29. Omveer Singh, Ibraheem, "GA-SA based optimization of AGC gains of a multi-area interconnected Power System" International Conference (ICEOC-2010), Govt, College of Engg., Aurangabad, India Dec. .26-28, 2010.
30. N.K. Yadav and Ibraheem, "Impact of SSSC and UPFC in Linear Methods with PTDF for ATC Enhancement", 4th Int. Conference on Computer Application in Electrical Engineering Recent Advances, Feb. 19-21, Roorkee, 2010.
31. P Tiwari, Ibraheem and N K Sharma, "Post ABT operation of Indian Power System", 4th International Conference on Computer Applications in Electrical Engineering Recent Advances 19th- 21stFeb '2010, Indian Institute of Technology Roorkee.

32. N.K. Yadav and Ibraheem, "Application of Unified Power Flow Controller for Calculation of ATC using PTDF", National Conference on Power System Today, June 29-30, Vishakhapatnam, 2010.
33. Ibraheem, O. Singh, N. Hassan, "Application Of Hybrid Stochastic Search Technique To Sub-Optimal AGC Regulator Design For Interconnected Power Systems", Int. Conference on Electrical power and Energy system, 26-28 August, Bhopal, pp-403- 407, 2010.
34. N. Hassan, Ibraheem, F. Ahmar, Nizamuddin, "Design and Implementation of Optimal AGC Regulators Using Pole Placement Techniques", Int. Conference on Electrical power and Energy system, 26-28 August, Bhopal, pp-312-317, 2010.
35. Ibraheem, A. K. Singh, D.K. Chaturvedi, S. Khatoon, "Combination of Hydraulic Energy Absorbing System and Eddy Current Energy Absorber for Aircraft Arrester Barrier System", Int. Conference on Electrical power and Energy system, 26-28 August, Bhopal, pp-403-409, 2010.
36. Ibraheem, N. Hasan, G. Sharma, S. Ali, "Fuzzy Tuned Variable Structure Controller for AGC of An Interconnected Power System", Int. Conference on Electrical power and Energy system, 26-28 August, Bhopal, pp-457-463, 2010.
37. Ibraheem, Prabhat Kumar, Yadav Singh, Naimul Hasan, "Load Frequency Control of Interconnected Power System in Deregulated Environment with Bilateral Contracts ", Int. Conference on Electrical power and Energy system, 26-28 August, Bhopal, pp-463- 471, 2010.
38. Ibraheem, Naimul Hasan, Gulshan Sharma, Shamsad Ali, "Design and Implementation of PID Controllers for Automatic Generation Control of Nuclear Power Plants", Proc. National Conf. on Emerging Trends in Power Systems and Energy Management(NCPSEM), Lingaya's University, Haryana, India, Feb. 22-23, 2010-, pp.201-204.
39. A.K. Singh, Ibraheem, D.K. Chaturvedi, S. Khatoon, "Modelling And Simulation Of Eddy Current Energy Absorbing System For Aircraft Arrester Barrier System" The International Conference on Modelling and Simulation, MS09, India to be held on 1-3 Dec, 2009 at Trivandrum, Kerala.
40. Ibraheem, A.K. Singh, D.K. Chaturvedi and S. Khatoon, "Finite Element Analysis for Eddy Current Brakes", National Conference on Recent Advances in Electrical & Electronics Engineering, RAEEE-09,NIT- Hamirpur, pp. 261-268 , 23-24 Dec, 2009.
41. Ibraheem, Y. Singh, N. Hasan and Nizamuddin, " Automatic Generation Control of Interconnected Power Systems with Different Area Size Ratio", National conference on Recent Advances in Electrical & Electronics Engineering, RAEEE-09,NIT- Hamirpur, pp 65-71, 23-24 Dec, 2009.
42. N. Hasan, Ibraheem and Y. Singh, , " An Overview of AGC Strategies in Power Systems", National conference on Recent Advances in Electrical & Electronics Engineering, RAEEE-09,NIT- Hamirpur, pp. 72-79 , 23-24 Dec, 2009.

43. Omveer Singh, Ibrhaeem, "GA based Optimization of AGC Gains for a Two-Area Interconnected Power System", National conference on Recent Advances in Electrical & Electronics Engineering, RAEEE-09,NIT- Hamirpur, pp. 176-180 , 23-24 Dec, 2009.
44. P Tiwari, Ibrhaeem and N K Sharma, "Locational Marginal Pricing, Congestion Management and Effectiveness of FACTS controllers -A bibliographical Survey", National conference on Recent Advances in Electrical & Electronics Engineering, RAEEE-09, 23-24 Dec, 2009
45. A.K. Singh, Ibrhaeem, D.K. Chaturvedi and S. Khatoon , "Design And Development of Alternate Energy Absorbing System For Aircraft Arrester Barrier System" for the National Conference on Modelling & Simulation (NCMS 2009) to be held on 16-18 Dec, 2009 at DIAT (DU), Pune.
46. U.K. Choudhary, D.K. chaturvedi and Ibrhaeem, "Power System Stabilizer Base on Polar Fuzzy Logic Technique", International Conference on Power System Analysis, Control & Optimization, 13-15th , March, 2008, PSCAO'2008, AU College of Engineering, Vishakapatnam, AP, India.
47. Omveer Singh, Ibrhaeem and B.Das, "A Thermal model For Dynamic simulation of Load Frequency Control With Fuzzy Controller and Conventional Controller" IEEE Co-Sponsored National Conference on Emerging Trends in Electrical, Electronics & Computer Technologies, AKGEC, Ghaziabad, Sept. 5-6-2008.
48. Ibraheem, D.K. Chaturvedi and U.K. Choudhury, "Power System Stabilizers", National Conference on Recent Advancement in Engineering & Technology, 26th April 2008, NCART 2008, Govt. Engineering College, Ajmer, India.
49. U.K. choudhary, D.K. Chaturvedi and Ibraheem, "A Fuzzy Logic Based Variable Gain Power System Stabilizer", International Conference on Recent Advancements and Applications of Computer in Electrical Engineering, 24-25, March,2007, Engineering College Bikaner (Rajasthan).
50. U.K. choudhary, D.K. chaturvedi and Ibraheem, "Polar Fuzzy Logic Based Power System Stabilizer", Australian Universities Power Engineering Conference, December 9-12, AUPEC-07, Curtin University of Technology, perth, Australia.
51. U.K. choudhary, D.K. Chaturvedi and Ibraheem, " Gain tuning of Power System Stabilizer Through fuzzy Logic Controller", Proc. XXXI National Systems Conference, 14-15, Dec. 2007, Manipal Institute of technology, Manipal, Karnataka (India).
52. . U.K. choudhary, D.K. Chaturvedi and Ibraheem, " Power System Stabilizer: An overview", National Conference on Engineering trends in Signal Processing and Communication, 27-29, December-2007, ETPSC-2007, Maharashtra Academy of Engineering, Alandi 9D), Pune, India.
53. A.K. Singh, Ibrhaeem, D.K. Chaturvedi, S. Khatoon, "Analysis Of Permanent Magnet Eddy Current Braking For Energy Absorbing System Of Aircraft Arrester Barrier System" published in the proceeding of "National Conference On Advancement Of

- Technologies-Global Scenario, GLAITM, Mathura, U.P.,pp- 167-174, Feb. 25- 26, 2007.
54. Ibrhaeem, S.M. Liyakat Ali Zaidi, Nizamuddin, “ Planning and Design of Automation for 11KV Distribution Substation at Jamia Millia Islamia”, Souvenir of National Conference On Advancement Of Technologies-Global Scenario, GLAITM, Mathura, Feb. 25-26, 2007.
 55. Afroz Khalid, Ibrhaeem and Shakeb A. Khan, “ Medium Load Forecasting Using Multi-Layered ANN Technique”, Souvenir of National Conference On Advancement Of Technologies-Global Scenario, GLAITM, Mathura, Feb. 25-26, 2007.
 56. Shahida Khatoon, Moinuddin, Ibraheem“Behavior Coordination of Autonomous Mobile Robot Navigation by Neuro-fuzzy System”, Proceedings 31st Annual Northeast Bioengineering Conference NEBC 2005, organized by Stevens Institute of Technology, Hobokin, New Jersey, USA, on 2-5 April 2005, pp.1204-1215
 57. Prabhat Kumar, S.Akhtar Kazmi and Ibrhaeem, “Design and Fabrication of Moisture Meter Based on Capacitive Technique”, Proc. International Conference on Instrumentation, Dept. of Instrumentation and Control, Pune Institute of Engineering and Technology, Shivajinagar, Pune-5, Dec. 19-21, 2004.
 58. M. Khan and Ibrhaeem, “Prediction and Measurement of Electrical Impedance for Human Leg Segment”, Proc. 5th IFAC Symposium on Modelling and Control in Biomedical Systems, August 21-23, 2003, Melbourne, Australia, pp. 191-194, 2003
 59. Shahida Khatoon, Ibrhaeem et. Al, “A Table Lookup Scheme For Fuzzy Logic Based Model Identification Applied to Time Series Prediction”, 2003, Proc. Sixth International Conference on Information Fusion, vol. 2, pp. 1449-1456, July 8-11, 2003.
 60. Z.A. Jaffery and Ibrhaeem, “Fuzzy Time Series : An Application to Electric Energy Demand Forecasting”, Proe. National Conference on Recent Trends in Power Management, August 16-17, 2003, Jamia Millia Islamia, New Delhi (India), pp. 28-34, 2003.
 61. Prabhat Kumar, S.Akhtar Kazmi and Ibrhaeem, “Sub-optimal Control Strategies of Linear time Invariant Systems using Aggregation Technique”, Proc. All India Jamia Electrical Engineering Conference on Recent Trends in Power Management, Jamia Millia Islamia, New Delhi, August 16-17, 2003, pp. 66-71, 2003.
 62. Ibrhaeem, Prabhat Kumar and Shahzad Ahmad, “Damping Effect of HVDC Transmission on Dynamic Performance of Interconnected Power Systems”, Proe. National Conference on Recent Trends in Power Management, August 16-17, 2003, Jamia Millia Islamia, New Delhi (India), pp. 206-211, 2003.
 63. Iqbal Ali, Ibrhaeem and Shahida Khatoon, “A reduced order Observer for Non-linear Discrete time Systems and its Convergence Analysis”, Proe. National Conference on Recent Trends in Power Management, August 16-17, 2003, Jamia Millia Islamia, New Delhi (India), pp. 269-274, 2003.

64. Shahida Khatoon, Ibraheem, Moinuddin, “ Fuzzy Logic based Behavior Control of an Autonomous Mobile Robot ”, Proceedings International Conference on CAD/CAM Robotics and Automated Factory INCARF 03, at IIT, Delhi, August 2003, pp. 234-237
65. Ibrhaeem and Shahzad Ahmad, “Hydro-Power in India : An Energy Option” Proc. IE(I) All India Seminar on Power and Energy for Sustainable Growth, C.R. State College of Engineering, Murthal (Sonapat), Haryana, 206-214, February 20-21, 2003.
66. Ibrhaeem and Prabhat Kumar, “Application of Satellite Communications in the Operation and Control of Interconnected Power Systems”, Proc. The 89th Indian Science Congress’, Lucknow, India, Part III, 23-24. Jan. 3-7, 2002.
67. S Selvam, Moinuddin and Ibraheem, “Process Lifetime Incorporation in Prediction – based DLB Strategies”, Proc. National Students Convention 2001, Trichirapalli, Tamil Nadu (India), 18-21, 2001
68. Ibrhaeem and Prabhat Kumar, “On Investigation of Dynamic Performance of an Interconnected Power System with Parallel AC/DC Links”, Proc. 5th International Seminar on Switchgear & Controlgear(SWICON-2000), Hyderabad, India, , III-83-91, Nov. 29-30, 2000.
69. Ibrhaeem and Prabhat Kumar, "Overview of Power System Operational and Control Philosophies”, IASTED International Conference PES-2000, Marbella, Spain, , Paper no. 319-122, Sept.19-22, 2000.
70. V.K.Sharma, Ibrhaeem et.al, “Power Quality Assessment and Harmonic Comparison of Typical Non Harmonic Loads”, Proc. IEEE International Conference on Industrial Technology 2000, Goa, India, 277-287, Jan. 19-22, 2000.
71. Ibrhaeem and Prabhat Kumar, “AGC of 2-Area Interconnected Power Systems with New Area Control Error Incorporating Parallel EHV AC/HVDC Links”, Proc. 15th National Convention of Electrical Engineers (POWER-99), Trivandrum (Kerala), 68-75, Dec. 14-16, 1999.
72. A.S.Siddiqui, Moinuddin and Ibrhaeem, “Neural Network Application in Optical Character Recognition”, Proc. National Conference on Biomedical Engineering, Manipal Institute of Technology, Manipal, , V-9-11, April 9-11, 1998.
73. A.S.Siddiqui, Moinuddin and Ibrhaeem, “Neural Networks in Manufacturing Process”, Proc. International Workshop on Physics of Semiconductor Devices, Jamia Millia Islamia, N.Delhi (India), , 1259-1262, Dec. 16-20 1997.
74. Ibrhaeem and Prabhat Kumar, “On Feasibility of Optimal Control Strategies in a 2- area Power System with Parallel AC/DC Transmission Links”, Proc. International Conference on Computer Applications in Electrical Engineering, University of Roorkee, 388-393, Sept. 08-11, 1997.
75. Ibrhaeem and Prabhat Kumar, “Effect of Parameter Uncertainties on Dynamic Performance of an Interconnected Power System with AC/DC Links”, Presented at

- IASTED International Conference On High Technology In The Power Industry held at Orlando, Florida, U.S.A. during October 27-30, 1997.
76. Ibrhaeem and Prabhat Kumar, "Suboptimal Automatic Generation Control Strategy of A 2-Area Interconnected Power System with AC/DC Links", Proc. National Seminar on Recent Trends in The Design of Electronic & Other Engineering Systems (NSDES- 97), Aligarh Muslim University, Aligarh (India), 154-163, Dec. 1997.
 77. Ibrhaeem and Prabhat Kumar, "A Novel Computational Approach To Matrix Riccati Equation Solution : An Application to Optimal AGC Regulator Design of Interconnected Power Systems", Proc. INCARF'96, Jamia Millia Islamia, New Delhi, 789-797, Dec. 1996.
 78. Ibrhaeem and Prabhat Kumar, "Optimal Control Strategies in Power Systems Interconnected via Parallel AC/DC Links", Proc. All India Seminar on Power Electronics and Applications (AISPEA-95), AMU, Aligarh, 43-56, 13-14 Nov., 1995.
 79. Ibrhaeem and Prabhat Kumar, "Dynamic Performance of Two-Area Interconnected Power System with EHV AC/HVDC Links", Proc. National Systems Conference (NSC-94), DEI, Agra, 198-203, 1995.
 80. Ibrhaeem and Prabhat Kumar, "Optimal Control of An Interconnected Power System with Parallel AC/DC Links and Parameter Uncertainties", Proc. National Systems Conference (NSC-95), PSG College, Coimbatore, , 137-141, Dec. 14-16, 1995.
 81. Ibrhaeem and Prabhat Kumar, "AGC Strategies: A Comprehensive Review", Proc. IASTED Symposium on Power Systems and Engineering(IASTED PES'94), Wakayama, Japan, C-213-048, Sept. 12-14, 1994.
 82. Ibrhaeem and Majid Jamil, "Decentralized Sub-optimal AGC Regulator Design of a 2-Area Interconnected Power System with Reheat Thermal Plants Considering Generation Rate Constraint", Proc. Iranian Conference on Electrical Engineering (ICEE-94), Tehran (IRAN), 1994.
 83. Prabhat Kumar and Ibrhaeem, "Electrical Energy System Management Control", Proc. National Symposium on Energy Systems Management and Control , Osmania University , Hyderabad, 109-111, 1994.
 84. Prabhat Kumar and Ibrhaeem, "Optimal AGC Regulator Design of a 2-Area Power System with Parallel AC/DC Links", Proc. Iranian Conference on Electrical Engg. (ICEE-93), Tehran (Iran), 75-84, 1993.
 85. Prabhat Kumar and Ibrhaeem, "Comparative Study of AGC Strategies of a 2-Area Power System Incorporating AC/DC Inerties and Parameter Variations" Proc. National Systems Conference (NSC-93), IIT Kanpur (India), 278-281, Dec. 1993.
 86. Prabhat Kumar and Ibrhaeem, "Dynamic Performance of 2-Area Hydrothermal Power System with Parallel AC/DC Links", Proc. National Convention of Electrical Engineers, Banglore(India), , 263-273, Nov. 25-27, 1993

87. Prabhat Kumar and Ibrhaeem, "Optimum Load Frequency Control of An Interconnected Power System with Asynchronous Tie-Lines", Proc. National Systems Conference (NSC-92), IIT Madras (India), 1992, 246-251.
88. Prabhat Kumar and Ibrhaeem, "Optimum Load Frequency Control of An Interconnected Power System with Asynchronous Tie-Lines", Proc. National Systems Conference (NSC-92), IIT Madras (India), pp 246-251, 1992.

Prof. A. Q Ansari
Professor

(A) Patents:

1. A. Q. Ansari, M. A. Khan, "Parallel and Dynamic Virtual Channel Manager (VCM) for 3-D Network-On-Chip (NoC) Router", Indian Patent JOURNAL, (In Press).

(B) International Journals:

2. Farrukh Sayeed, M. Hanmandlu, A. Q. Ansari, "Face Recognition using Segmental Euclidean Distance," Defence Science Journal, Vol. 61, No. 5, pp. 431–442, September 2011, DRDO, India.
3. A. Q. Ansari, Ranjit Biswas and Swati Aggarwal. "Proposal for Applicability of Neutrosophic Set Theory in Medical AI." International Journal of Computer Applications, Vol. 27, No. 5, pp. 5 - 11, August 2011. Published by Foundation of Computer Science, New York, USA. [Online] Available: www.ijcaonline.org/archives/volume27/number5/3299-4505.
4. M. A. Khan, A. Q. Ansari, "An Quadrant-XYZ routing algorithm for 3-D Asymmetric Torus Network-on-Chip," The Research Bulletin of Jordan ACM, Vol. 2, No. 2, pp. 18 – 26, June 2011.
5. A. Q. Ansari, Neeraj Gupta, "Back Propagation Algorithm for Neurofuzzy Filter," International Journal of Computational Cognition (IJCC), U.S.A., 2010. (In Press).
6. A. Q. Ansari, M. Khan, S. Urooj, "Thorax: Physiological Monitoring and Modeling for Diagnosis of Pulmonary Edema," Int. J. Measurement Technologies and Instrumentation Engineering (IJMTIE), Published by IGI Global, Vol. 1, No. 2, pp. 54 – 60, April – June 2011.
7. S. Urooj, A. Q. Ansari, M. Khan, A. K. Salhan, "Measurement of Thoracic Impedance and Approximations: A Diagnosis Technique for Clinical Utilization," Int. J. of Industrial and applied Mathematics, Published by Taylor and Francis, U.K. (In Press).
8. S. Urooj, M. Khan, A. Q. Ansari, Aime Lay-Ekuakille, A. K. Salhan, "Prediction of Quantitative Intrathoracic Fluid Volume to Diagnose Pulmonary Oedema using LabVIEW," Int. J. Computer Methods in Biomechanics and Biomedical Engineering,

9. A. Q. Ansari, Neeraj Gupta, “Design and Simulation of OTA-Based Activation and Membership Function for Neurofuzzy Systems,” *International Journal of Computational Cognition (IJCC)*, U.S.A., Vol. 9, No. 1, pp. 1 – 5, March 2010.
10. A. Q. Ansari, James Philip, S. A. Siddiqui, J. A. Alvi, “Fuzzification of Intuitionistic Fuzzy Sets,” *International Journal of Computational Cognition (IJCC)*, U.S.A., Vol. 8, No. 3, pp. 90 – 91, September 2010.
11. A. Q. Ansari, A. B. Patki, V. Kumar, “Reducing Energy Cost for Warehouse- Size Data Centres by Workflow Intuitive Formal Approach,” *Int. Journal of Effective Management*, U.S.A., Vol. 7, No. 1, pp. 1 – 12, June 2010.
12. A. Q. Ansari, “Segmentation and Approximation Coding Based Algorithm for Compression of Solid Colour Images,” *Arab Gulf Journal of Scientific Research*, Vol. 27, No. 1 – 2, pp. 26 – 32, 2009.
13. Bindu Garg, M. M. S. Beg, A. Q. Ansari, “Optimizing Number of Inputs to Classify Breast Cancer Using Artificial Neural Network,” *Journal of Computer Science & Systems Biology - Open Access*, Vol. 2, No. 4, pp. 247 – 254, August 2009.
14. Ashit K Dutta, R. Biswas, A. Q. Ansari, “A Method of Intelligent Search to Answer Queries in Relational Databases,” *INFORMATION (An International Interdisciplinary Journal)*, Japan, Vol. 10, No. 6, pp. 781 – 798, November 2007.
15. Ashit k Dutta, A. Q. Ansari, R. Biswas, “A Method of Intelligent Search,” *International Journal of Computational Cognition*, U.S.A., Vol. 4, No. 2, pp. 24 - 29, June 2006.
16. Ashit k Dutta, A. Q. Ansari, R. Biswas, “Fuzzy Search Using Dynamic–Programming Principle,” *Asian Journal of Information Technology*, Vol. 4, No. 1, pp. 7 – 13, 2005.
17. M. Faisal, I Alam, A. Q. Ansari, “Regulated Mail Transfer Protocol: A Novel Protocol to Incorporate User Control Over Incoming Mails,” *WSEAS Transaction on Information Science and Applications*, Greece, Issue 3, Vol. 1, pp. 807 - 815, Sep. 2004.
18. S A Siddiqui, J A Alvi, A. Q. Ansari, “A Generalised Fuzzy Temporal Database System with SQL Compatibility,” *WSEAS Transaction on Information Science and Applications*, Greece, Issue 1, Vol. 1, pp. 222 – 226, July 2004.
19. A. Q. Ansari, S. A. Siddiqui, J. A. Alvi, “Mathematical Techniques to Convert Intuitionistic Fuzzy Sets into Fuzzy Sets,” *Notes on Intuitionistic Fuzzy Sets (NIFS Journal)*, Vol.10, No.1, pp. 13 – 17, Sofia, Bulgaria, 2004.
20. R. Z. Khan, A. Q. Ansari, K. Qureshi, “Performance Prediction for Parallel Scientific Applications,” *Malaysian Journal of Computer Science*, Malaysia, Vol. 17, No. 1, pp. 65 – 73, June 2004.

21. A. K. Dutta, A. Q. Ansari, "A Method of Intuitionistic Fuzzy Search," Notes on Intuitionistic Fuzzy Sets (NIFS Journal), Vol.7, No.2, pp. 23 – 24, Sofia, Bulgaria, August 2003.
 22. A. Q. Ansari, Moinuddin, "Fuzzy Logic Based Computer System Security Rater: A Case Study," Computer Education Journal, U. K., No. 92, pp. 8–11, June 1999.
 23. A. Q. Ansari, "The Basics of Fuzzy logic: A Tutorial Review," Computer Education Journal, U. K., No. 88, pp. 5 - 9, February 1998.
- (C) National Journals:**
24. Bindu Garg, M. M. S. Beg, A. Q. Ansari, "Scheme of Neural Network for Time Series Analysis," VOYAGER - The Journal of Computer Science and Information Technology, India, Vol. 7, No. 1, pp. 5 – 9, Dec 2008.
 25. V. Kumar, A. Q. Ansari, T. Patki, A.B. Patki, S. Joshi, S. Chowdhary, "Applications of Evidence Based Software Engineering for I T Systems," Review of Business and Technology Research, Vol. 1, No. 1, pp. 1 – 7, 2008.
 26. R. Z. Khan, K. Qureshi, A. Q. Ansari, "An Adaptive Hybrid Task Partitioning, Scheduling (AHTS) and Load Balancing Strategy for Heterogeneous Distributed System," IETE Journal of Research, India, Vol. 50, No. 1, pp. 69 – 78, Jan-Feb. 2004.
 27. S. A. Siddiqui, A. Q. Ansari, Shikha Agarwal, "A Journey through Fuzzy Philosophy," Pranjana, India, Vol. 6, No. 2, pp. 29 – 33, July – Dec. 2003.
 28. R. Z. Khan, K. Qureshi, A. Q. Ansari, "A Practical Investigation of Runtime Lightweight Threads Parallelizing Techniques for Distributed Image Compression System," The Journal of the Computer Society of India, Vol.33, No.3, pp. 19 – 26, July-Sep. 2003.
 29. R. Z. Khan, K. Qureshi, A. Q. Ansari, "Adaptive Decentralized Task Scheduling Strategy for a Heterogeneous Distributed Ray Tracing System," The Journal of the Computer Society of India, Vol.32, No.4, pp. 26 - 31, Dec. 2002.
 30. A. Q. Ansari, Moinuddin, S. Deshpande, "Fuzzy Logic Control of Safety and Security Systems," Indian Police Journal, Vol.45, No.4, pp.56 – 62, October– December 1998.
 31. A. R. Nasir, A. Q. Ansari, W. Ahmad, "A Simple Method for Measurement of Impedances in Polar Form," Journal of the Institution of Engineers (India), Vol.76, pp.79, March 1996.
 32. A. Q. Ansari, "Multiple Valued Logic Versus Binary Logic," C. S. I. Communications, India, Vol.20, No.5, pp.30 – 31, November 1996.
- (D) Book Chapters:**
33. Sapna Tyagi, M. A. Khan, A. Q. Ansari. "RFID Data Management," in Radio Frequency Identification Fundamentals and Applications Bringing Research to Practice, Cristina Turcu (Ed.), pp. 229- 250, February 2010, ISBN: 978-953- 7619-73-2, In-Tech

Publication, Austria, [Online] Available: <http://www.intechopen.com/articles/show/title/rfid-data-management> Sapna Tyagi, Ashraf Darwish, A. Q. Ansari, M. A. Khan, "The Impact of Web 2.0 and Social Network Models in Revolutions of Societies: E-Revolutions," in Web 2.0 Technologies and Democratic Governance: Political, Policy and Management Implications, Christopher G. Reddick and Stephen K. Aikins (eds.), (Accepted) to be published by Springer in 2012.

(E) Proceedings of International Conferences:

35. Bindu Garg, M. M. S. Beg, A. Q. Ansari, "Enhance Accuracy of Fuzzy Time Series Predictor Using Genetic Algorithm," Proc. IEEE Int. Conf. on Systems – Man and Cybernetics, Spain, Oct. 19-21, 2011.
36. Bindu Garg, M. M. S. Beg, A. Q. Ansari, "Employing Genetic Algorithm to Optimize OWA-Fuzzy Forecasting Model," Proc. IEEE Int. Conf. on Systems – Man and Cybernetics, Spain, Oct. 19-21, 2011.
37. Shabana Urooj, A. Lay-Ekuakille, A. Q. Ansari, M. Khan, P. Vergallo, A. Trotta, "Volumetric Estimation of Thorax with Cylindrical Model and Anthropometric Measurements," Proc. IEEE Int. Workshop on Medical Measurements and Applications (MeMeA), Bari, Italy, pp. 213 – 216, July 29, 2011, [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/MeMeA.2011.5966701
38. M. A. Khan, A. Q. Ansari, "Design of 8-Bit Programmable Crossbar Switch for Network-on-Chip Router," Int. Workshop on VLSI, Chennai, Springer-Verlag Berlin Heidelberg, CCIS 197, Lecture Notes in Trends in Network and Communication, D.C. Wyld et al. (Eds.), pp. 526 – 535, July 2011,
39. M. Hanmandlu, Bhupesh Gupta, Farrukh Sayeed, A. Q. Ansari, "An Experimental Study of Different Features for Face Recognition," Proc. IEEE International Conference on Communication Systems and Network Technologies (CSNT-2011), Jammu, India, pp. 567 – 571, June 3 – 5, 2011, [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/CSNT.2011.121
40. Bindu Garg, M. M. S. Beg, A. Q. Ansari, "OWA Based Fuzzy Time Series Forecasting Model," Proc. IEEE World Conference on Soft Computing (WConSC 2011), San Francisco, USA, pp. 141 – 177, May 23 – 26, 2011.
41. Bindu Garg, M. M. S. Beg, A. Q. Ansari, "Employing OWA to Optimize Fuzzy Predictor," Proc. IEEE World Conference on Soft Computing (WConSC 2011), San Francisco, USA, pp. 205 – 211, May 23 – 26, 2011.
42. M. A. Khan, A. Q. Ansari, "Quadrant-Based XYZ Dimension Order Routing Algorithm for 3-D Asymmetric Torus Routing Chip," Proc. International Conference on Emerging Trends in Networks and Computer Communications, (ETNCC 2011), Udaipur, India, pp. 350 – 354, April 22 – 24, 2011. [Online] Available: www.ieeexplore.org, Digital Object Identifier: 10.1109/ETNCC.2011.5958499
43. Farrukh Sayeed, M. Hanmandlu, A. Q. Ansari, S. Vasikarla, "Iris Recognition using Segmental Euclidean Distance," Proc. 8th International Conference on Information

- Technology – New Generation, Las Vegas, Nevada, USA, pp. 520 –525, April, 11 – 13, 2011, [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ITNG.2011.96.
44. A. Q. Ansari, Neeraj Gupta, “Back Propagation Algorithm for Neuro-Fuzzy Integrated Systems and its VLSI Design for Neuron Module” Proc. International Conference on Advances in Computing & Communication (ICACC-2011), NIT Hamirpur, April 8 - 10, 2011.
 45. M. A. Khan, A. Q. Ansari, “128-Bit High-Speed FIFO Design for Network-on- Chip,” Proc. International Conference on Emerging Trends in Computing (ICETC 2011), Coimbatore, pp. 116 – 121, March 17 - 18, 2011.
 46. M. A. Khan, A Q Ansari, “A Review of Hyper-Torus based Topologies for Network-on-Chip”, Proc. International Conference on Emerging Trends in Computing (ICETC 2011), Coimbatore, pp. 109 – 115, March 17 - 18, 2011.
 47. Bindu Garg, M. M. S. Beg, A. Q. Ansari, B. M. Imran, “Fuzzy Time Series Prediction Model,” Proc. 5th Int. Conf. on Information Systems, Technology, and Management (ICISTM), Springer-Verlag Berlin Heidelberg, CCIS 141, pp. 126 – 137, 2011, Digital Object Identifier: 10.1007/978-3-642-19423-8_14
 48. Bindu Garg, M. M. S. Beg, A. Q. Ansari, B. M. Imran, “Soft Computing Model to Predict Average Length of Stay of Patient,” Proc. 5th Int. Conf. on Information Systems, Technology, and Management (ICISTM), Springer-Verlag Berlin Heidelberg, CCIS 141, pp. 221 – 232, 2011, Digital Object Identifier: 10.1007/978-3-642-19423-8_24.
 49. A. K. Dubey, A. Q. Ansari, R. P. Singh, "Analysis of Two Dimensional Image to obtain Unique Statistical Features for Developing Image Recognition Techniques using Wavelet Approach" Proc. International Conference & Workshop on Emerging Trends in Technology (ICWET '11), Mumbai, India, Feb. 25 - 26, 2011, Published in ACM New York, NY, USA © 2011, pp. 66 – 70, ISBN 978-1-4503- 0449-8, Digital Object Identifier: 10.1145/1980022.1980036
 50. Sapna Katiyar, Avneesh Mittal, A. Q. Ansari, T. K. Saxena, “Ant Colony Algorithm Based Adaptive PID Temperature Controller,” Proc. 7th Int. Conf. on Trends in Industrial Measurements and Automation (TIMA 2011), CSIR, Chennai, January 2011.
 51. S. Urooj, M. Khan, A. Q. Ansari, A. K. Salhan, “Measurement of Thoracic Impedance & Approximations: A Diagnosis Technique for Clinical Pulmonology,” Proc. Int. Conf. on Biomedical Engineering and Assistive Technologies, NIT Jalandhar, India, Dec. 2010.
 52. A. Q. Ansari, V. K. Nangia, “Efficient Electricity Grid Management for Distributed Generation Using a Fuzzy Logic-Based Multicasting Technique,” Proceedings of the IEEE International Conference: PEDES-2010, New Delhi. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/PEDES.2010.5712478

53. M. A. Kalam, Majid Jameel, A. Q. Ansari, "Wavelet-Based ANN Approach for Fault Location on a Transmission Line," Proceedings of the IEEE International Conference: PEDES-2010, New Delhi. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/PEDES.2010.5712468
54. Swati Aggarwal, Ranjit Biswas, A. Q. Ansari, "From Fuzzification to Neutrosification: A Better Interface between Logic and Human Reasoning," Proc. Int. Conf. on Emerging Trends in Engineering and Technology (ICETET- 2010), India, pp. 21 – 26, November 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ICETET.2010.26
55. Swati Aggarwal, Ranjit Biswas, A. Q. Ansari, "Neutrosophic Modeling and Control," Proc. Int. Conf. on Computer and Communication Technology (ICCCT), India, pp. 718 – 723, September 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ICCCT.2010.5640435
56. A. Q. Ansari, M Dabas, K D Gupta, "Efficient Node Numbering for Cost Effective K-Fault Tolerant Wireless Network," Proc. Int. Conf. On Comp. Sc. and Inf. Tech., China, Vol. 7, pp. 534 – 537, September 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ICCSIT.2010.5564812
57. A. Q. Ansari, Neeraj Gupta, "Echo Cancellation in Cell Phone Using Neurofuzzy Filter," International Conference on Advances in Computer Engineering – ACE 2010, Bangalore, pp. 188 – 192, June 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ACE.2010.53
58. A. Q. Ansari, A B Patki, V. K. Nangia, "Saving on Electricity Cost for Operating Large-size Data Centres through Implementation of Workflow Intuitive Formal Approach," 2nd Int. Conf. On Mechanical and Electronics Engineering, Japan, Vol.1, pp. 77 – 82, August 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/ICMEE.2010.5558592
59. Sapna Tyagi, A. Q. Ansari, M A Khan, "Dynamic Threshold Based Sliding- Window Filtering Technique for RFID Data", 2nd IEEE International Advance Computing Conference (IACC), pp. 115 – 120, Patial, India, February 2010. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/IADCC.2010.5423025
60. A. Q. Ansari, Neeraj Gupta "Noise Cancellation in Hand Free Cellphone Using Neurofuzzy Filter " 4th International Conference On Computer Applications in Electrical Engineering Recent Advances (CERA-09), Indian Institute of Technology (IIT) Roorkee, pp. 280 – 283, February 2010.
61. A. Q. Ansari, V. K. Nangia, "A Fuzzy Logic-Based Multicast Model for Regulation of Power Distribution", Proc. 4th International Conference on Computer Applications in Electrical Engineering Recent Advances (CERA-09), Indian Institute of Technology (IIT), Roorkee, pp. 215 – 218, February 2010.
62. Bindu Garg, M M S Beg, A. Q. Ansari, B M Imran, "Inferential Historical Survey of Time Series Prediction Using Artificial Neural Network", Proc. 3rd Int. Conf. on Data Management, IMT Ghaziabad, India, pp. 158 – 172, March 11-12, 2010.

63. A. Q. Ansari, Neeraj Gupta, "MIPS-NF Instructions for Fourth Generation Processor," Proc. 2nd IEEE Conf. on Comp., Control, and Comm., Pakistan, pp. 01 – 05, February 2009. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/IC4.2009.4909231
64. A. Q. Ansari, A. B. Patki, Varun Sethi, Ankit Gupta, "Modelling and Simulation Framework for Bioinformatics Studies in Ruby," Proc. Int. Conf. on Bioinformatics and Computational Biology, Vol. 2, pp. 573 – 577, Las Vegas, U.S.A., July 2009.
65. A. Q. Ansari, T. Patki, "Modeling Considerations in BPO Multiplexing Environment," Proc. 2nd Asia Int. Conf. on Modeling and Simulation, Malaysia, pp. 132 - 137, May 2008. [Online] Available: www.ieeexplore.org Digital Object Identifier: 1.1109/AMS.2008.118
66. A. Q. Ansari, T. Patki, A. B. Patki, and V. Kumar, "Integrating Fuzzy Logic and Data Mining: Impact on Cyber Security," IEEE Proc. 4th International Conference on Fuzzy Systems and Knowledge Discovery, China, Vol. 4, pp. 498- 502, August 2007. [Online] Available: www.ieeexplore.org Digital Object Identifier: 10.1109/FSKD.2007.365
67. Shabab. A. Siddiqui, A Q Ansari, "Mathematical Formulation for Managing Traffic Congestion for a Sector of a Route using Fuzzy Logic," Proc.7th Hellenic European Conference on Computer Mathematics & its Applications (HERCMA), Greece, Sept. 2005.
68. A. Q. Ansari, Shadab A Siddiqui, Javed A Alvi, "Methods to Convert Intuitionistic Fuzzy Sets into Fuzzy Sets," Proc. 4th International Conference on Intelligent Technologies (InTech'03), Thailand, Dec 17-19, 2003.
69. A. Q. Ansari, Ranjit Biswas, "A Method of Search Using Fuzzy Logic," Proc. 4th Workshop on Information and Computer Science (WICS'2002), KFUPM, Dhahran, Kingdom of Saudi Arabia, pp. 345 – 351, March 2002.
70. Anwar Jamil, A. Q. Ansari, and Ranjit Biswas, "A Proposal for a New Generation of Computers," Proc. International Conference on Fuzzy Theory and Technology, U.S.A., pp. 97 – 100, March 2002.
71. A. Q. Ansari, Moinuddin, "Towards Rough Set Based Information Systems," Proc. International Conference on Knowledge Based Computer Systems (KBCS'98), National Centre for Software Technology, Mumbai, India, pp. 273 - 286, December 1998.
72. A. Q. Ansari, Moinuddin, A. S. Siddiqui, "Artificial Neural Network (ANN) to the Aid of Mobile Radio Communication," Proc. International Conference on Cognitive Systems, (ICCS'97), New Delhi, India, pp. 644-653, December 1997.
73. A. Q. Ansari, N. Ahmad, A. Khursheed, "A Generalized Fuzzy Logic Control Software for Industrial Automation, International Conference on CAD, CAM, Automation and Factories of Future, (INCARF'96), New Delhi, India, pp. 89-94 (Souvenir), December 1996.

(F) Proceedings of International Conferences:

74. A. Q. Ansari, V. K. Nangia, "A Fuzzy Logic Based Multicasting Technique for Efficient Management of Distributed Generation," Proc. National Conference on Power, Instrumentation, Energy, and Control (π con-2011), AMU Aligarh, pp. 37 – 44, Feb. 12 – 13, 2011.
75. S. Urooj, M. Khan, A. Q. Ansari, "A Computational Study Using Electrical Impedance and Anthropometric Parameters," Proc. National Conference on Power, Instrumentation, Energy, and Control (π con-2011), AMU Aligarh, Feb. 12 – 13, 2011.
76. A. Q. Ansari, Neeraj Gupta, "Backpropagation Algorithm for Neuro-Fuzzy Integrated System with its Application," Proc. National Conference on Power, Instrumentation, Energy, and Control (π con-2011), AMU Aligarh, pp. 191 – 195, Feb. 12-13, 2011.
77. A. Q. Ansari, V. K. Nangia, Akshay Anand, Mayank Kumar, "Implementation of Workflow Intuitive Formal Approach in Multiplexing of Business Process Offices," Proc. National Conf. on Information Management in Knowledge Economy, New Delhi, March 20, 2010, published by McMillan Publishers India Ltd., Anu Singh Lather et. al. (Eds.), pp. 307 – 233, March 2010, ISBN10: 0230- 32937-3, ISBN13: 978-0230-32937-9.
78. A. Q. Ansari, James Philip, S. A. Siddiqui, J. A. Alvi, "Fuzzification of Intuitionistic Fuzzy Sets," Proc. National Conference on Recent Trends in Fuzzy and Discrete Mathematics, Union Christian College, Kerala, and Kerala Mathematical Association, India, Nov. 19-21, 2009.
79. Majid Jamil, M Abul Kalam, A. Q. Ansari, "Fault Classification of Three Phase Transmission Line using Fuzzy Logic," Proc. National Conf. on Recent Advances in Electrical and Electronics Engg., NIT Hamirpur, India, pp. 181 - 186, Dec. 2009.
80. Geetha Jayakumar, Moinuddin, A. Q. Ansari, "A Performance Comparison of Table Driven and On-Demand Routing Protocols for Ad-hoc Networks – A Review," Proc. National Conference on Mobile Computing and Networking (MobiComnet – 2004), India, pp. 341–349, Sep30–Oct 2, 2004.
81. A. Q. Ansari, M. Faisal, I. Alam, "An Algorithm for Segmentation and Approximation Technique for Solid Colour Pictures," Presented at the Technical Session of the National Convention of the Computer Society of India, I. I. T. Delhi, Dec. 2003.
82. A. Q. Ansari, "Development of a Switch-Level Simulator for Ternary Logic Circuits," Proc. National Conference on Technology Convergence for Information, Communication, and Entertainment (NICE'2001), IETE, Cochin, India, pp.141-144, February 23 –24, 2001.
83. A. Q. Ansari, Moinuddin, 'Fuzzy Logic Technique to Assess and Control the Doppler Changes in the Frequency of Mobile Radio Receivers,' Proc. National Seminar on

- Advance Instrumentation (NSAI'2001), CSIO, Chandigarh, India, January 29 – 31, 2001.
84. A. Q. Ansari, Moinuddin, "FUZWARE: An Object Oriented Methodology for Fuzzy Systems Application," 88th Indian Science Congress, New Delhi, January 3 - 7, 2001.
 85. A. Q. Ansari, Moinuddin, "Fuzzy Logic Controlled Dynamic Tuning of Mobile Radio Receivers," 5th National Conference on Communications (NCC-99), I.I.T. Kharagpur, Jan. 29-31, 1999.
 86. A. Q. Ansari, Moinuddin, "Towards OLE and OWL Based Implementation of Fuzzy Logic Systems," Proc. 2nd National Conference on Object Oriented Technology (NCOOT'98), Pondicherry, India, pp. 97 – 104, October 1998.
 87. A. Q. Ansari, "Microprocessor Based Voice Synthesis Using VOTRAX SC-02," Proc. National seminar on Recent Trends in the Design of Electronic and Other Engineering Systems (NSDES'97), Aligarh, India, pp.285-296, November 1997.
 88. N. Chaturvedi, S. Gupta, V. Sinha, A. Q. Ansari, "Gallium Arsenide (GaAs) High Frequency Clock Generator," Proc. National Symposium on Recent Advances in Electronics, Amritsar, India, pp. 323 - 329, March 1996.
 89. A. Q. Ansari, Deepak Bhatia, "A Software for Error Control in Digital Communication," Proc. National Symposium on COMMUNICATIONS–2001, IETE, Chandigarh, India, pp. 150 - 154, December 1995.
 90. A. Q. Ansari, "Role of Industry-Institute-Interaction-Program in the Training of Technical Teachers," Proc. National Seminar on Industry Institute Interaction, the Institution of Engineers (India), Aligarh, India, pp.103-106, November 1995.

Prof. Zaheeruddin
Professor

(A) Journals:

1. Fouzul Azim Shaikh, Zaheeruddin and Jamil M S Asghar, "Computational Intelligence and Voltage Stability Analysis for Mitigation of Blackout", International Journal of Computer Applications, 16(2), 6-11, 2011
2. Sunita Prasad and Zaheeruddin, "A Review and Comparison of Quality of Service Routing in Wireless Ad Hoc Networks", International Journal of Wireless & Mobile Networks, 3(1), 172-184, 2011
3. Amit Mishra and Zaheeruddin, "Design of Hybrid Fuzzy Neural Network for Function Approximation", J. Intelligent Learning Systems & Applications, 2(2), 97-109, 2010
4. Amit Mishra and Zaheeruddin, "Design of Fuzzy Neural Network for Function Approximation and Classification", International Journal of Computer Science, 37(4), 326-340, 2010

5. Zaheeruddin and V.K. Jain, "An expert system for predicting the effects of speech interference due to noise pollution on humans using fuzzy approach", *Expert Systems With Applications*, Elsevier, 35(4), 1978-1988, 2008
6. Zaheeruddin; Jain, V.K.; Singh, G.V., "A Fuzzy Model for Noise-induced Annoyance", *The IEEE Transactions on Systems, Man, and Cybernetics, Part A*, 36(4), 697-705, 2006
7. Zaheeruddin and V.K. Jain, "A Fuzzy Expert System for Noise- induced Sleep Disturbance Expert Systems With Applications", Elsevier, 30(4), 761-771, 2006
8. Zaheeruddin and Garima, "A neuro-fuzzy approach for prediction of human work efficiency in noisy environment", *Applied Soft Computing*, Elsevier, 6(3), 283-294, 2006
9. Zaheeruddin and V. K. Jain, "A Fuzzy Approach for Modelling the Effects of Noise Pollution on Human Performance", *Journal of Advanced Computational Intelligence and Intelligent Informatics*, 8(4), 442-450, 2004
10. Zaheeruddin and Zahid Akhtar Khan, "Effects of Noise on Humans—An Overview", *Everyman's Science*, 37(4), 237-240, 2003
11. Ibraheem, Zaheeruddin and Moinuddin, "Impact of Computer Technology on Environmental Studies", *Chemical & Environmental Research*, 9(1&2), 145-157, 2000
12. Zaheeruddin, D.K. Lobiyal, and G. V. Singh, "Database Technology and its Future Prospects", *CSI Communications*, 24(1), 18-23, 2000
13. Zaheeruddin, "Expert System: A Reality of an Old Concept", *Computer Education*, (80), 23-27, 1995
14. Zaheeruddin, "An Interdisciplinary Approach to Artificial Intelligence", *Computer Education*, (77), 15-19, 1994
15. Zaheeruddin, "Natural and Artificial Intelligence", *CSI Communications*, 17(6), 11-13, 1993

(B) Conferences/Workshops/Symposia Proceedings:

16. Sharma, B.; Zaheeruddin, "Design and analysis of fuzzy logic controller using Lyapunov function for a non-linear system", *International Conference on Power Electronics, Power Electronics*, Delhi, 1-5, 2011
17. Mishra, A., Zaheeruddin, "Hybrid Fuzzy Neural Network Based Still Image Compression", *International Conference on Computational Intelligence and Communication Networks*, Computational Intelligence, Bhopal, MP, 116-121, , 2010
18. Amit Mishra and Zaheeruddin, "Function approximation using adaptive linguistic fuzzy neural network", *International Conference on Advances in Communication n Network and computing*, Communication Network, Calicut, Kerala, 302-306, , 2010

19. Singh L., Jaffery, Z.A., Zaheeruddin, Singh, R., “Segmentation and Characterization of Breast Tumor in Mammograms”, International Conference on Advances in Recent Technologies in Communication and Computation, Communication and Computation, Kottayam, Kerala, 213-216, , 2010
20. Laxman Singh, R.B. Dubey, “Z.A. Zaffery, Zaheeruddin, Segmentation and Characterization of Brain Tumor from MR Images”, International Conference on Advances in Recent Technologies in Communication and Computing”, Communication and Computation, Kottayam, Kerala, 815-819, , 2009
21. Uprety I., Zaheeruddin, “Fuzzy reliability of gracefully degradable computing systems”, International Conference on Methods and Models in Computer Science, Methods and Models in Computer Science, Delhi, 14-15, , 2009
22. Mishra A., Zaheeruddin, Raj K, “Implementation of a digital neuron with nonlinear activation function using piecewise linear approximation technique”, International Conference on Microelectronics, Microelectronics, Cairo, Egypt, 69-72, 2007
23. Shaikh, F.A. Zaheeruddin; Asghar, M.S.J. Singh G., “Soft computing techniques and role of power world@ simulator for forecasting and mitigation of power system blackout”, International Conference on Computational Intelligence and Multimedia Applications, 341-346, Computational Intelligence and Multimedia Application, Sivakasi, Tamil Nadu, 2007
24. Zaheeruddin, “Modelling of Noise-induced Annoyance: A Neuro-fuzzy Approach”, International Conference on Industrial Technology, 15-17, Industrial Technology, Mumbai, 2006
25. Zaheeruddin and Garima, “Application of Artificial Neural Networks for Prediction of Human Work Efficiency in Noisy Environment”, International Conference on Computational Intelligence for Modelling, Control & Automation, 842-846, Modelling Control & Automation, Vienna, Austria, 2005
26. Zaheeruddina and V. K. Jain, “Fuzzy Modelling of Speech Interference in Noisy Environment”, International Conference on Intelligent Sensing and Information Processing, 409-414, Intelligent Sensing, Chennai, 2005
27. Zaheeruddin and V. K. Jain, “An Intelligent System for Noise- induced Hearing Loss”, International Conference on Intelligent Sensing and Information Processing, 379-384, Intelligent Sensing, Chennai, 2004
28. Zaheeruddin, D. K. Chaturvedi, and Ibraheem, “A Neural Network Model for Speech Interference”, International Conference on Energy and Environment: Strategies for Sustainable Development, 457-461, Energy and Environment, Delhi, 2004
29. Zaheeruddin and V. K. Jain, “A Fuzzy Expert System for Predicting the Effect of Socio-economic Status on Noise- Induced Annoyance”, International Conference on Fuzzy Sets and Soft Computing in Economics and Finance, 194-201, Fuzzy Sets and Soft, Saint- Peters- burg, Russia, 2004

30. Zaheeruddin and V. Jain, "An Expert System for Noise-induced Sleep Disturbance: A Fuzzy Approach", 1st International Conference from Scientific Computing to Computational Engineering, 178-184, Computational Engineering, Athens, Greece, 2004
31. Zaheeruddin and Garima, "A Neuro-fuzzy Approach for Predicting the Effects of Noise Pollution on Human Work Efficiency", 11th International Conference on Neural Information Processing, 379-384, Neural Information Processing, Kolkata, 2004
32. Z. A. Jaffery, Moinuddin, and Zaheeruddin, "Artificial Neural Network: An Application to Communication Channel Equalization", National Conference on Trends in Instrumentation and Control Engineering, 250-255, Instrumentation and Control Engineering, Patiala, 2004
33. Zaheeruddin, G. V. Singh, and V. K. Jain, "Fuzzy Modelling of Human Work Efficiency in Noisy Environment", IEEE International Conference on Fuzzy Systems, 120-124, Fuzzy Systems, St. Louis, USA, 2003
34. Zaheeruddin, "The Impact of Information Service Industry on Society, International Conference on Networking India and the World", 15-22, Networking India and the World, Ahmedabad, 1998
35. Zaheeruddin, "The Information Service Industry: The Wealth of Nation in 21st Century", 49th FID Conference and Congress, 51-53, FID Congress, Delhi, 1998
36. M. R. Khan, Zaheeruddin and Amit Varshne, "RHOMEX: A Rule-based Homoeopathic Expert System", National Seminar on Artificial Neural Networks & Cognitive Systems, 130-133, Artificial Neural Networks & Cognitive Systems, Cochin, 1998
37. Zaheeruddin, Saroj Kaushik, and S. Basu, "RUBEX—F: A Rule-Based Expert System for Fevers", 13th National System Conference, 176-179, System, Kharagpur, 1989

Prof. Z. A. Jaffery
Professor

A. Papers Published in Journal:

1. Akshay Sharma, G. Sheoran, Z. A. Jaffery, Moinuddin, "Improvement of signal to noise ratio in digital holography using wavelet transform", (Elsevier) Journal of Optics and Laser Engineering, vol.46(1), pp. 42- 47, 2008.
2. Z. A. Jaffery, "Generalized Neuron based Adaptive Channel Equalization" Inverties Journal of Science and Technology, vol. 2, no. 3, pp.153-160, 2009.
3. S. K. Chaudgary, Z. A. Jaffery and V. K. Chadana, "Quality Assessment of Low cost Voltage Control Voltage Source (VCVS) Inverter using Matlab Simulink., International Journal of Electrical Engineering, vol. 3, no. 1, pp. 15-24, 2010.

4. Z. A. Jaffery, K. Ahmad and Pankaj Sharma, "Noise Reduction in Speech Signal using Thresholding in Wavelet Transform domain", *International Journal of Applied Engineering Research*, vol. 5, no. 14, pp.2503-2509, 2010.
5. Z. A. Jaffery, K. Ahmad and Pankaj Sharma, "Applications of Wavelet Packets in Speech denoising", *International Journal of Mathematical Science*, vol. 1, no. 2, pp. 57-66, 2010.
6. Z. A. Jaffery, "Adaptive Equalization of Digital Communication Channel using Feed-forward Neural Network", *Journal of Communication and Computer*, , vol. 8,no.5, pp. 404-409,2011. (USA).
7. Z. A. Jaffery, V. K. Chadana and S. K. Chaudgry, "Sensitivity of input blocking capacitor on output voltage and current of a PV inverter employing IGBTs", *International Journal of Electrical and Electronics Engineering*, vol. 5, no.4, pp. 311-315, 2011. (WASET).
8. Z. A. Jaffery, Moinuddin and Munish Kumar, "Residual Energy aware adaptive Clustering for Multimedia data in wireless Sensor Network", *International Journal of Computer Science and Telecommunications*, Vol. 2, no. 8, pp. 7-11, 2011. (UK).
9. Z. A. Jaffery, Moinuddin and Munish Kumar, "Adaptive Clustering based on Residual Energy on Sensor Nodes in Wireless Sensor Network for Multimedia data", *International Journal of Computer Applications*, vol. 3, no. 1, 2011. (USA).
10. K. Ahmad, Z. A. Jaffery and Afroz, "Denoising of ECG Signal using Wavelet Transform", *JMI International Journal of Mathematical Sciences*, vol. 2, no. 1, pp. 26-33, 2011.
11. Z. A. Jaffery, Moinuddin and Munish Kumar, "Enhanced Bandwidth Utilization in WLAN for Multimedia data", *International Journal of Advances in Engineering & Technology*, vol. 2,no. 1, pp. 299-308, 2012. (ISSN: 2231-1963).
12. Z A Jaffery and S. K. Chaudhry, "Quality Assessment of a Single- phase resonant inverter", *International Journal of Power Electronics and Drive System (IJPEDS)*, vol.2, no.4, pp. 364-370, December 2012.
13. Z. A. Jaffery, K. Ahmad and Pankaj Sharma, "Selection of Optimal decomposition level based on entropy for speech denoising using Wavelet packet", *Journal of Bioinformatics and Intelligent control*, vol. 1, no.2, pp.196-202,2012. (DOI:10.1166/jbic.2013.1026).
14. Z. A. Jaffery and A. K. Dubey, "Architecture of Noninvasive Real time Visual monitoring system for dial type measuring instruments", *IEEE Sensors Journal*, vol.13, no.4, pp.1236-1244, April 2013. (doi: 10.1109/JSEN.2012.2231940).
15. Z. A. Jaffery and A. K. Dubey, "Testing and Calibration of Temperature Gauges using Webcam based Non-Invasive Technique", *International Journal of Computer Applications*, vol.79, no.1, pp. 41-47, 2013. (doi: 10.5120/13709-1462).

B. Paper Presented and Published in Proceedings of International / National Conferences:

1. Z. A. Jaffery and Ibraheem, "Fuzzy Time series: An application to Electric Energy Demand Forecasting", Proceedings of All India Jamia Electrical Engineering Conference on Recent Trends in Power Management, pp.28-34, 2003.
2. Z. A. Jaffery, Moinuddin and Zaheeruddin, "Artificial Neural Network: An Application to Communication Channel Equalization", Proceeding of National Conference on Trends in Instrumentation and Control Engineering, Organized by Thaper Institute of Engineering and Technology, Patiala, Feb. 5-6 2004,
3. Moinuddin and Z. A. Jaffery, "Intersymbol interference in Data Communication: Causes and Remedies", Proceedings of National Conference on Electromagnetic Interference and its control, Organized by Amity School of Engineering & Technology, New Delhi, Feb. 12-14, 2004.
4. Z. A. Jaffery, Moinuddin and Zaheeruddin, "Adaptive Communication Channel Equalization using Artificial Neural Network", Proceedings of National conference on Modern Trends in Electronic and Communication Systems, Organized by Dept. of Electronics Engineering, Zakir Hussain College of Engineering and Technology, A. M. U. Aligarh, March 5-6, 2005.
5. Munish Kumar, Z.A. Jaffery, Moinuddin, "Disjoint path discovery for multipath routing in mobile ad hoc networks", Proceeding of National Conference on Recent Advances in Electronics and Communication Technology, GNDEC, Punjab, November-2006.
6. Munish Kumar, Z.A. Jaffery , "A Novel Range-Free Iterative and Distributed Localization Algorithm for Wireless Sensor Networks", Proceeding of National Conference on Emerging Trends in Computing and Communication (ETCC-07), at NIT, Hamirpur (HP) on July 27-28, 2007.
7. Z. A. Jaffery, S. K. Chaudgary, "Role of Uninterrupted Power Supply (UPS) in IT Industry: A Case Study", Proceedings of National Conference on Recent Technological Trends in Management and Library System: Issue and Challenges, New Delhi, Jan. 4-5, 2008.
8. Sunil Kumar, Z. A. Jaffery, "Modeling and simulation of DSP based UPS", Proceedings of National conference on Engineering and Technology for sustainable development: Opportunities & Challenges, at Ideal Institute of Technology, Ghaziabad, U.P., March-2008
9. Munish Kumar, Z.A. Jaffery and Moinuddin, " Greedy Distributed Tree Routing Algorithm for Wireless Ad Hoc Networks", Proceedings of IASTED International conference on Advances in Computer Science and Technology, at Kotalumpur, Malaysia, Published by ACTA Press, April 2-4,2008.
10. Akshay Sharma, G. Sheoran, Z. A. Jaffery, Moinuddin, "Reduction of Speckle Noise in digital Holographic Images using Wavelet Transform", Proc. SPIE 7155, Ninth International Symposium on Laser Metrology, ; at Singapore, (doi:10.1117/12.814558), October 03,2008.

11. Laxman Singh, Z. A. Jaffery and Zaheeruddin, "Segmentation and Characterization of Brain Tumor from MR Images", Proceedings of IEEE International conference, ARTCom-2009, Kerala, India, 2009.
12. Z. A. Jaffery, K. Ahmad and Pankaj Sharma, " Estimation of Speech signal in the presence of White Noise using Wavelet Transform", Proceedings of ACEEE International conference on Control, Communication and Power Engineering (CCPE-2010), Chennai, India, 2010.
13. Munish Kumar, Z.A. Jaffery and Moinuddin, " A new Reliable Model for True Mobility in IPv6", Proceedings of IEEE/ACEEE International conference, CNC-2010, Kerala, India, 2010.
14. Z. A. Jaffery, K. Ahmad and Afroz " Performance Comparison of Wavelet threshold Estimators for ECG signal Denoising", Proceedings of IEEE International conference, ARTCom-2010, Kerala, India, 2010.
15. Laxman Singh, Z. A. Jaffery and Zaheeruddin, Segmentation and Characterization of Breast Tumor in Mammograms", Proceedings of IEEE International conference, ARTCom-2010, Kerala, India, 2010.
16. Vinay Kumar Chandna, Z. A. Jaffery and Sunil Kumar, "Simulation of Single Phase rms Controlled Voltage Source Inverter (VSI) for variation in Cdc, Cs and Rs," Proceedings of IEEE International conference, PEDES-2010, 2010, at IIT Delhi, India.
17. Sunil Kumar Chaudhary, V. K. Chandna, Z. A. Jaffery "Quality Assessment of RMS Controlled and Fuzzy-controlled Single Phase VSI Inverter for UPS Applications", Proceedings of National Conference on POWER, INSTRUMENTATION, ENERGY AND CONTROL π -CON (12-13 Feb-2011), AMU Aligarh, 2011.
18. Z. A. Jaffery and A. K. Dubey, "Effect of two dimensional Image Compression on Statistical features of Image using Wavelet Approach", Proceedings of International Conference on Emerging Trends in Technology. (ICWET-2011), Published by International Journal of Computer Application 2011.
19. Z. A. Jaffery and A. K. Dubey, "Real Time Visual Inspection System (RTVIS) for calibration for Mechanical Gauges." IEEE International Conference on Recent Advances in Intelligent Systems, RAICS-2011, Trivandrum, 2011.
20. Zaheeruddin, Z. A. Jaffery and Laxman Singh, "Detection and shape feature extraction of breast tumor in mammograms", Proceedings of Int. Conference of Computational Intelligence and Intelligent Systems, London, U. K., July. 4-6, 2012.
21. Md. Sarwar, Z. A. Jaffery, et al, "Techno-economic feasibility of HVDS concept for distribution feeder power loss minimization" Proceedings of IEEE International Conference on Power Electronics (IICPE-2012), 6-8 Dec. 2012 at New Delhi. (IEEExplore.org, DOI: 10.1109/IICPE.2012.6450376)

Prof. Munna Khan
Professor

Prof. Anwar Shahzad Siddiqui
Professor

Journals:

1. Jain Rashmi, Siddiqui, Anwar S., Jamil Majid, Gupta C. P., Preeti, ‘A strategy for FTR bidding in deregulated electricity markets’, International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), DOI 10.1007/s13198-014-0275-9 (Springer Publications).
2. Anwar S Siddiqui, Tanmoy Deb, “Application of multiple FACTS devices of similar type for congestion mitigation” , International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), DOI 10.1007/s13198-014-0262-1, May 2014 (Springer Publications).
3. Abdullah Umar, Anwar S Siddiqui, Naqui Anwer, “Generation Fuel Cost Minimization of Power Grid Using Primal Dual Interior Point OPF (Optimal Power Flow) Method”, International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319-8753) Vol. 3, Issue 4, April 2014, pp. 11014 – 11024.
4. Mohd Tauseef Khan, Anwar Shahzad Siddiqui, “Congestion management in deregulated power system using FACTS devices”, International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), April 2014 (Springer Publications).
5. Anwar S Siddiqui, Tanmoy Deb, “Congestion management using FACTS devices”, International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), 21 December 2013 (online first), DOI 10.1007/s13198-013-0212-3, Springer Publications.
6. Anwar S Siddiqui, Naqui Anwer, Abdullah Umar, “Power Flow Management using FACTS Controllers for Smart Grid Applications”, International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319-8753) Vol. 3, Issue 3, March 2014, pp. 10626 – 10631.
7. Anwar S Siddiqui, Tanmoy Deb, “Voltage Stability Improvement using STATCOM and SVC”, International Journal of Computer Applications, Volume 88, Number 14, Foundation of Computer Science, New York, USA, February 2014, pp. 43 – 47.
8. Anwar S Siddiqui, Tanmoy Deb, Manisha Rani, “Enhancement of Power Flow in Congested Transmission Lines using Thyristor Controlled Phase Angle Shifter”, Advances in Electronic and Electric Engineering, ISSN 2231 – 1297, volume 4, Number 4 (2014), Research India Publication, pp.397 - 402.

9. Anwar S Siddiqui, Manisha Rani, Tanmoy Deb, "Maximum Power Transfer Capability of UPFC: An Adaptive Gravitational Search Algorithm", *Advances in Electronic and Electric Engineering*, ISSN 2231 – 1297, volume 4, Number 3 (2014), Research India Publication, pp.297 - 300.
10. Rashmi jain, Anwar S Siddiqui, Md Sarwar, 'Combined Effect of HVDS and Reconductoring in Distribution Feeder Power Loss Minimization', *International Journal of Electrical and Electronics Engineering Research (IJEEER)*, ISSN(P): 2250-155X; Vol. 3, Issue 5, Dec 2013, 59-64.
11. Anwar Shahzad Siddiqui, Rashmi Jain, Md Sarwar, Ms. Narinder Kaur, 'A New Scheme for Inter-Zonal Congestion Management Using SFT', *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 2, Issue 10, October 2013, ISSN (Print) : 2320 – 3765, p 4612 – 4619.
12. Rashmi jain, Anwar S Siddiqui, Majid Jamil, C P Gupta & Preeti, 'Maximising Profits Of Electrical Entities Using Load and Price Forecasting', *International Journal of Electrical and Electronics Engineering Research (IJEEER)*, ISSN(P): 2250-155X; Vol. 3, Issue 5, Dec 2013, 49-58.
13. Anwar A Siddiqui, Tanmoy Deb & Manisha Singh, 'Improved gravitational search algorithm for loadability enhancement of transmission lines using UPFC', *International Journal of System Assurance Engineering and Management (ISSN: 0975-6809)*, (Springer Publications) July – Septeber 2014, Volume 5, Issue 3, pp. 444 - 449.
14. Jain Rashmi, Siddiqui, Anwar S., Jamil Majid, Gupta C. P., Preeti, 'A novel approach for phase locked loop modelling using MATLAB', *International Journal of System Assurance Engineering and Management (ISSN: 0975-6809) (Springer Publications): Volume 4, Issue 2 (2013), Page 129-137*
15. Naqui Anwer, Anwar S Siddiqui, Ahmad S Anees, A lossless switching technique for smart grid applications, *International Journal of Electrical Power & Energy Systems*, Elsevier Publications, Vol. 49, July 2013, pp 213 – 220 (Impact Factor = 2.277).
16. A S Siddiqui, Tanmoy Deb, "Congestion Management in Restructured Electricity Markets using TCSC", *International Journal of Electrical and Electronics Engineering Research (ISSN 2250-155X, Volume 3, Issue 2, June 2013, pp. 87 – 92, Impact Factor(JCC) 5.6397, Trans Stellar Publications. (this paper was selected as one of the best papers for the June 2013 edition based on quality of paper, technicality and flow, adherence to author guidelines, timelines and responses)*
17. A S Siddiqui, Tanmoy Deb, "Voltage Stability Enhancement through Static Var Compensator, *International Journal of Scientific & Engineering Research (ISSN 2229-5518, Impact Factor=1.4, Available on NASA Digital Library)*, Volume 4, Issue 2, February 2013, pp. 1 - 8.
18. Rashmi Jain, Anwar S Siddiqui, Majid Jamil, C P Gupta, "FACTS Application for Congestion Management Using Fuzzy Logic", *International Journal on Recent Trends in Engineering and Technology*, Vol. 6, No. 2, Nov 2011, ACEEE, pp 140 - 146.

19. Anwar S Siddiqui, Md. Farrukh Rahman, "Optimal Capacitor Placement to reduce losses in Distribution System", WSEAS Transactions on Power Systems (ISSN: 1790-5060/E-ISSN: 2224-350X), Issue 1, Volume 7, January 2012.
20. Anwar S Siddiqui, Rashmi Jain, Majid Jamil, C P Gupta, "Congestion Management in High Voltage Transmission Line Using TCSC", Journal of Electrical and Electronics Engineering Research, UK, ISSN-2141-2367, Vol. 3(8), September 2011, pp. 151-161.
21. Anwar S Siddiqui, "Adaptive equalization of sound Using Fletcher-Munson Contours" Journal of Engineering Research and Studies, JERS (E-ISSN 0976-7916)/ JERS/ Vol. II/ Issue IV/October-December, 2011/10-14 (paper available on-line at <http://www.technicaljournalsonline.com/jers>.)
22. Anwar S. Siddiqui, 'Determination of Size and Location of Capacitors for Placement on a Radial Distribution System Using Fuzzy Technique', International Journal on Power Optimization and Control, volume 3, number 1, January-June 2011, pp. 1-8, ISSN: 0975-3982, Research Science Press, India.
23. Sachi Mittal, Anwar S Siddiqui, 'Networked Control System: Survey and Directions' Journal of Engineering Research and Studies, JERS (E-ISSN 0976-7916), /Vol. I/ Issue II/ Oct.-Dec., 2010/ 35-50, available on-line on <http://www.technicaljournalsonline.com/jers/current.html>.
24. A S Siddiqui, Poonam Tariq, 'Modeling of unforced uncertainties through Fuzzy Mathematics' Global Journal of Mathematical Science: Theory and Practical, ISSN 0974-3200, Volume 2, Number 3 (December 2010), pp. 105 – 119, International Research Publication House, India.
25. Poonam Tariq, Anwar S Siddiqui, Musheer Ahmad, 'Generalization of Fuzzy Sets to Model Associated Uncertainties', Global Sci-Tech, ISSN 0975-9638, Volume 2, Number 4, October – December 2010; pp. 195-202, New Delhi - 110025.
26. A S Siddiqui, Aziz Ahmad, 'Use of SCADA Systems in Power System Automation', International Journal of Engineering Studies, ISSN 0975-6469 Volume 2, Number 2 (2010), pp. 183-192, Research India Publication, available on-line on <http://www.ripublication.com/Volume/ijesv2n2.htm>.
27. Poonam Tariq, Anwar S Siddiqui, Musheer Ahmad, 'Fuzzy Mathematics: An Introduction', Global Sci-Tech, ISSN 0975-9638, Volume 1, Number 3, July – September 2009; pp. 166-176, New Delhi - 110025.
28. Siddiqui, A. S., Sharma, A. K., & Gupta, J. P. (2000). Control-A multi-level fuzzy rule based control strategy for Maglev system Moinuddin. EPE-European Power Electronics and Drives Journal, 10(1), 26-31.

Prof. S. A. Khan
Professor

(A) Refereed Research Journals:

1. Islam Tarikul, Mahboob Rahat Md., Khan Shakeb A., and Kumar Lokesh, "A Single Chip Integrated Sol-Gel Thin Film LC Sensor for Measuring Moisture in ppm Level," IEEE Sensors Journal, vol. 14, issue 4, pp. 1148-1153, April 2014.
2. Islam Tarikul, Kumar Lokesh, and Khan Shakeb A., "A Novel sol-gel Thin Film Porous Alumina Based Capacitive Sensor for Measuring Trace Moisture in the Range of 2.5 to 25 ppm," Sensors and Actuators B (Elsevier), 173, pp. 377-384, 2012.
3. Kumar Lokesh, Saha Debdulal, Khan Shakeb A., Sengupta Kamalendu, and Islam Tarikul, "A Medium Range Hygrometer using Nano-porous Thin Film of γ -Al₂O₃ with Phase Detection Electronics", IEEE Sensors Journal, vol. 12, issue 5, pp. 1625-1632, May 2012.
4. Khan Shakeb A, Nigam Alka, Agarwala A.K., Thomas Mini S., Islam Tarikul, "Advanced Oscilloscope Triggering Based on Signal Frequency", Sensors & Transducers Journal Special Issue: Sensor Instrumentation, DAQ and Virtual Instruments., vol. 136, issue 1, pp. 105-117, January 2012.
5. Khan Shakeb A, Islam Tarikul, "Precision Active Bridge Circuit for Measuring Incremental Resistance with ANN Compensation of Excitation Voltage Variation," Journal of Sensor Technology, vol. 1, No. 3, pp. 57-64, September 2011.
6. Khan Shakeb A, Nigam Alka, Agarwala A.K., Thomas Mini S., "Performance Evaluation and Robustness Testing of Advanced Oscilloscope Triggering Schemes", Sensors & Transducers Journal, vol. 112, issue 1, pp. 95-106, January 2010.
7. Islam Tariq, Khan Shakeb A, Islam S.S., Harsh, "Sensitivity Enhancement of Wheatstone Bridge Circuit for Resistance Measurement", Sensors & Transducers Journal, Special Issue (Modern Sensing Technologies II), vol. 6, pp. 92-104, August 2009.
8. Khan Shakeb A., Agarwala A.K., and Shahani D.T., "Advance Oscilloscope Triggering," IEEE Transactions on Instrumentation & Measurement, vol. 56, no. 3, pp. 944-953, June 2007.
9. Khan Shakeb A., Islam Tarikul, and Gulshan, "Artificial Neural Network Based Online Sensor Calibration and Compensation," International Scientific Journal of Computing, vol. 6, issue 3, pp. 74-78, 2007.
10. Ahmad Shahid, and Khan Shakeb A., "Prediction of Stock Returns Using Classical and Intelligent Techniques: Evidence from BSE Sensex " International Journal of Applied Business and Economic Research. Vol.4, No.2, December 2006.

11. Khan Shakeb A., Shahani D.T., and Agarwala A.K., "Sensor Calibration and Compensation Using Artificial Neural Network," Trans. of Instrumentation, System and Automation Society (Elsevier), vol. 42, issue 3, pp. 337-352, July 2003.

(B) Conferences/Workshops/Symposia Proceedings:

12. Shakeb A. Khan, N. Khera, Tarikul Islam, A.K. Agarwala, "Low Cost Online Method for Condition Monitoring of Aluminum Electrolytic Capacitors," Accepted for publication in Proceeding of IEEE International Conference on Signal Processing & Integrated Networks (SPIN 2014), NOIDA, 20-21 February 2014.
13. Tarikul Islam, L Kumar, Shakeb A Khan, "Area dependent capacitive type moisture sensor for trace moisture detection", International Symposium on Processing and Fabrication of Advanced Materials (PFAM-21), IIT Guwahati, 10-13 December 2012.
14. Shakeb A. Khan, Tarikul Islam, N. Khera, A.K. Agarwala, "A simple technique for monitoring ESR of Aluminium Electrolyte Capacitor at Variable Frequencies," Proceeding of International conference on advances in power conversion and Energy technologies (APCET-2012), Hyderabad, 2-4 August 2012.
15. Tarikul Islam, Mohd Shahid, L Kumar, Shakeb A Khan, A Sol-Gel Thin Film Integrated Inductive and Capacitive LC Sensor for Wirelessly Measuring Relative humidity, Proceedings of 9th nanomechanical sensing workshop NMC 2012, IIT Bombay, Mumbai, 6-8 June 2012.
16. Kumar Lokesh, Kumar Shailesh, Khan Shakeb A., Sengupta Kamalendu, and Islam Tarikul, "Electrical Characterization of γ -Al₂O₃ Thin Film Parallel Plate Capacitive Sensor for Low Moisture Detection" Proc. of XVI International Workshop on the Physics of Semiconductor Devices, IIT-Kanpur, December 19-22, 2011.
17. Islam Tarikul, Khan Shakeb A., Md. Faruque, Farheen, Kumar Lokesh, "A Linear Resistance to Frequency Converter for Relaxation Oscillator Based Active Bridge Circuit" Proc. of 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011), IIT-Gowahati, 8-10, December 2011.
18. Khan Shakeb A., Nigam Alka, Agarwala A.K., and Thomas Mini S., "Frequency Based Oscilloscope Triggering Scheme" Proc. of IEEE International Conference on Power, Control, & Embedded Systems (ICPCES'2010), held at MNNIT, Allahabad, India, pp. 1- 5, Nov. 28- Dec. 01, 2010.
19. Khan Shakeb A., Nigam Alka, Agarwala A.K., and Thomas Mini S., "Robustness Evaluation of Software Customized Intelligent Techniques for Oscilloscopes Triggering" Proc. of IEEE 5th International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2009), Italy, pp. 49-52 September 21-23, 2009.
20. Islam T.I., Khan Shakeb A., Khan F.A., Islam S.S., and Harsh, "A Sensitive Detection Electronics for Resistive Sensor" Proc. 3rd International Conference on Sensing Technology (ICST 2008), Taiwan, pp. 259-264 November-December, 2008.

21. Nigam Alka, Khan Shakeb A., Thomas Mini S., "Correlation Techniques Based Advance Triggering of Digital Oscilloscopes," Proc. of National Conference on Electronics Instrumentation & Control Systems (NCEISCS-08), Apeejay College of Engineering, Gurgaon, India, September 2008 (Bagged Best Paper Award).
22. Nigam Alka, Khan Shakeb A., Agarwala A.K., and Thomas Mini S., "Intelligent Triggering Technique for Oscilloscopes," Proc. International Conference on Cognition & Recognition (ICCR 2008), Karnataka, India, pp. 383-389, April 2008.
23. Gupta Dhawal, Shahani D.T., Khan Shakeb A., "Fast Fourier Transform based Earthquake Precursor Analysis of Radon in N-W Himalayas," Proc. of 8th International Conference on Electronics Measurement & Instruments (ICEMI'2007), Xi'An, China, pp. 3-1 to 3-4, August 2007.
24. Khan Shakeb A., Agarwala A.K., and Shahani D.T., "Robustness Testing of Advance Triggering Technique for Digital Oscilloscope," Proc. Of National Conference on Electrical Systems and Control Technologies (ESCT 2007), NIT, Calicut, India, pp. 11-15, May 2007.
25. Khan Shakeb A., Agarwala A.K., and Shahani D.T., "Implementation of Advance Oscilloscope Triggering Scheme on FPGA," 2005 IEEE Instrumentation & Measurement Technology Conference (IMTC 2005), Ottawa, Ontario, Canada, vol. 2, pp. 407-411, May 2005.
26. Khan Shakeb A., Agarwala A.K., and Shahani D.T., "A New Triggering Method for Oscilloscope Based on Associative Memory Technique," Proc. 2003 IEEE International Workshop on Soft Computing Techniques in Instrumentation, Measurement, and Related Applications (SCIMA 2003), Provo, Utah, USA, pp. 20-25, May 2003.
27. Khan Shakeb A., Agarwala A.K., and Shahani D.T., "Artificial Neural Network (ANN) Based Nonlinearity Estimation of Thermistor," Proc. of 24th National Sys.Conf., ISRO Satellite Center, Bangalore, INDIA, pp. 296-302, Dec. 2000.
28. Khan Shakeb A., Aqeel Ashraf, Khan M.R., "Long term efficacy of enalapril using ANN", Proc. of RC-IEEE-EMBS pp- 427-428 Feb. 1995.

Prof. Shahida Khatoon
Professor

Journals:

1. Shahida Khatoon, Dhiraj Gupta, "Design and Assembly of an Experimental Fixed Wing Remote Controlled Glider Plane", International Journal of Applied Mechanics and Materials, special issue on Aerospace Engg., Switzerland, ISSN No. 1022-6680, Vol. 110, 1582- 1588, 2011
2. Shahida Khatoon, Ravinder Singh, M. Hanumandlu, "A Choquet Fuzzy Integral Controller For Stabilization and Tracking Application", International Journal of Applied Materials Research, Poland, ISSN No., 1660-9336, Vol. 403-408, 278-282, 2011

3. Shahida Khatoon, A.K. Singh, D.K. Chaturvedi, Ibraheem, "Modeling of Eddy Current Braking For Energy Absorbing System Of Aircraft Arrestor Barrier System", International Journal of Science and Technology in Production and Manufacturing, ISSN: 0972-950X, Vol. 62, No.3, 196-202, 2010
4. Shahida Kahtoon, M. Hanumandlu, Ravinder Singh, "Modeling and Simulation of the Dynamics of large Size stabilized Gimbal Platform Assembly", Asian International Journal of Science and Technology in Production and Manufacturing ., ISSN: 1906-151X, Vol. 1, No. 2, pp - 111-119, 2008, Australia.
5. Shahida Khatoon, D. K Chaturvedi, Arunesh Kumar Singh, "Modeling and Simulation of Synergism of Hydraulic and Eddy current Absorber for Aircraft Arrestor Barrier System", Intl. Journal of Modelling, measurement and control (A. M. S. E) France, ISSN:1259-5985, Vol. 83, No. 2, pp-80-88, 2010
6. Shahida Khatoon, Ibraheem, P. Kumar, "Overview of Power System Operational and Control Philosophies", IASTED International Journal of Power and Energy Systems, USA, ISSN:(on-line): 1710-2243, ISSN (hard- copy): 1078-3466, Vol. 26, No.1, pp-1-10, 2006
7. Shahida Khatoon, Ibraheem, P. Kumar, "Effect of Parameter Uncertainties on Dynamic Performance of an Interconnected Power System with AC/DC links", IASTED International Journal of Power and Energy Systems, USA, ISSN:(on- line) 1710-2243' ISSN (hard- copy): 1078-3466, Vol. 25, No.3, pp-196-210, 2005
8. Shahida Khatoon, Muazzam, Bhupender Singh, Prof. Ibraheem, "Electric Demand Forecasting using Linear Programming Method in Agriculture Sector", URJAVAN, Urjavan Foundation Bombay, February- March 2009, issue, 06-09, 2009
9. Shahida Khatoon, Muazzam, Bhupender Singh, Prof.Ibraheem, "Electricity Demand Forecasting", VIDUT BHARTI, a Quarterly Journal of Central Electricity Authority, Vol. 30, No. 4, pp-08-19, 2008
10. Shahida Khatoon, Ravinder Singh, M. Hanumandlu, "A Novel approach based on Choquet fuzzy Integral controller for the line of sight stabilization application", International Journal of Electronics Engineering Research (IJEER) (in press), ISSN: 0975-6450, , 2012
11. Shahida Khatoon, Ravinder Singh, M. Hanumandlu, "Particle Swarm Optimization Trained Fuzzy Logic Controller for Line of Sight Stabilization Application", International Journal of Electronics Engineering Research (IJEER) (in press), ISSN: 0975-6450, , 2012
12. Shahida Khatoon, Ravinder Singh, M. Hanumandlu, "Motion Estimation of a Sequence of Images using Spherical Projections", International Journal of Image and Vision Computing (in press), ISSN:0262-8856, , 2012

Prof. Tarikul Islam
Professor

Journals Papers:

Year: 2013

1. Tarikul Islam, Lokesh Kumar & Geetika Aswani, Effect of polyethylene glycol in porous alumina based thin film capacitive humidity sensor and its modeling, Trans. Ind. Ceram. Soc., vol. 72, no. 1, pp. 47-51 (2013).
2. Tarikul Islam, Lokesh Kumar, Zaheer Uddin, and Amit Ganguly, Relaxation Oscillator-Based Active Bridge Circuit for Linearly Converting Resistance to Frequency of Resistive Sensor, IEEE Sensors Journal, Vol.13, No.6, pp 1507-1513(2013)(www.ieee.org/sensors).
3. T. Islam, U. Mittal, A. T. Nimal and M. U. Sharma, High Frequency Surface AcousticWave (SAW) Device for Toxic Vapor Detection: Prospects and Challenges, Book Chapter: Sensing Technology: Current Status and Future Trends II, 1 Smart Sensors, Measurement and Instrumentation, Springer International Publishing Switzerland 2014.

Year: 2012

4. T. Islam, L. Kumar, S A Khan, A novel sol-gel thin film porous alumina based capacitive sensor for measuring trace moisture in the range of 2.5 to 25 ppm, Sensors and actuators B, July 2012.
5. L. Kumar, , D.D. Saha, K. Sengupta, S. A. Khan, T. Islam, A medium range hygrometer using nano-porous thin film of γ -Al₂O₃ with phase detection electronics, IEEE Sensors Journal, Vol.12, No. 5, pp 1625 - 1632(2012)(date of Pub: May 2012) (www.ieee.org/sensors).
6. S. A Khan, A. Nigam, M.T Thomas, A K Aggarwal, T Islam, Advanced Oscilloscope Triggering Based on Signal Frequency, Sensors and Transducer, Vol. 136, Issue 1, January 2012, pp. 105-117.

Year: 2011

7. T. Islam, D.D. Saha, S.S. Islam, P.M.Z. Mufti, γ -Al₂O₃ coated porous silicon for trace moisture detection, IEEE Sensors Journal, Vol. 11, No. 4, (2011), 882-887 (www.ieee.org/sensors).
8. T. Islam, S. Hussain, A. Gangopadhyay, S.S.Islam, Harsh, Porous silicon in low moisture content dry gas by Impedance Spectroscopy, Physica Status Solidi A, 1-5(2011) (www.psc-c.com), WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim.
9. Shakeb A. Khan, T. Islam, Precision active bridge circuit for measuring incremental resistance with ANN compensation of excitation voltage variation, Journal of Sensor Technology, vol. 1, (2011), 567-64 (2011) (www.SciRP.org/journal/jst).
10. Shrivastava, T. Islam, A Novel Hybrid Approach to Short Term Load Forecasting, International journal of electriocal and electronics engineering, Vol. 11(1), (2011), 1345-135,November 2011.

11. S. Hussain, P. Jha, A. Chouksey, R. Raman, S.S. Islam, T. Islam, P.K. Choudhary, Harsh, Spectroscopic Investigation of Modified Single Wall Carbon Nanotube (SWCNT), Journal of Modern Physics, 2011, 2, 538-543, (<http://www.SciRP.org/journal/jmp>).
12. Shahir Hussain, S.S. Islam, T. Islam, and Harsh, Purification and Oxidation Studies of Multiwall Carbon Nanotubes using Raman Spectroscopy, Asian Journal of Chemistry, Vol. 23, No. 12 (2011) (www.asianjournalofchemistry.co.in).

Year: 2010

13. P.M.Z. Hasan, S. S. Islam, T. Islam, A. Azam, Capacitive detection of organic vapours at low ppm level by porous silicon: Role of molecular structure in sensing mechanism, Sensor Review, Vol. 30, No. 4, 2010 (www.emeraldinsight.com/Insight).
14. Saakshi Dhanekar, S.S. Islam, T. Islam, A.K. Shukla, Harsh, Organic vapour sensing by porous silicon: Influence of molecular kinetics in selectivity studies, Physical E, (Elsevier), 42 (5), (2010), 1648-1652 (www.elsevier.com/locate/physe).
15. Saakshi Dhanekar, S.S. Islam, T. Islam, Harsh, Highly sensitive porous silicon sensor: detection of organic vapours using photoluminescence quenching, Int. Journal on Smart Sensing and Intelligent Systems, 3 (1), March (2010), 1-13 (www.s2is.org).

Year: 2009

16. T. Islam, H. Saha, S.S. Islam, Porous Silicon based Sensor Array for Ethanol Sensing", Sensors Letters 7 (www.aspbs.com/sensorlett), 2009, 1077-1085.
17. B. Joshi, S.S. Islam, H.S. Mavi, V. Kumari, T. Islam, A.K. Shukla, Harsh, Size-selective laser-induced etching of semi-insulating GaAs: photoluminescence studies, Physica E (Elsevier) 41 (2009), 690-694 (www.elsevier.com/locate/physe).
18. B. Joshi, S.S. Islam, H.S. Mavi, V. Kumari, T. Islam, A.K. Shukla, Harsh, Wavelength dependent laser-induced etching of Cr-O doped GaAs, morphology studies by SEM and AFM, Bull. Mater. Sci. 32(1) (2009), 31-35 (Indian Academy of Science).
19. T. Islam, S.A, Khan, F. A Arif, S. S. Islam, Sensitivity enhancement of Wheatstone bridge circuit for resistance measurement, Sensors & Transducers Journal, Vol. 6 (special issue) (2009), 92-104 (www.sensorsportal.com).
20. S. Dhanekar, P. A Anwar, Sahir, T. Islam, S.S. Islam, D. Saha, K. Sengupta, Effect of Organic Vapour on Porous Alumina Based Moisture, Sensors & Transducers Journal, Vol. 6 (special issue), (2009), 117-127 (www.sensorsportal.com).

Year: 2008

21. T. Islam, S.S. Islam, H. Saha, Porous silicon based moisture detector in the ppmV range, Sensors Letters 6 (2008), 746-751 (www.aspbs.com/sensorlett), Citation No. 2.
22. Khan Shakeb A., Islam Tarikul, and Gulshan, Artificial Neural Network Based Online Sensor Calibration and Compensation, International Scientific Journal of Computing, vol. 7, issue 0, (2008) 1-12 (www.computingonline.net).

Year: 2007

23. T. Islam, H. Saha, Study of long-term drift of a porous silicon humidity sensor and its compensation using ANN technique, *International Journal of Sensors and Actuators A:Physical*, Volume 133, Issue 2, 12 February 2007, Pages 472-479(www.elsevier.com/locate/sna), Citation No. 10.
24. T. Islam, H. Saha, Electrical characterization of nanoporous silicon sensor for low ppm gas moisture sensing, *Sensors & Transducers Journal* 85 (11) (2007) 1699-1707 (www.sensorsportal.com).

Year: 2006

25. T. Islam, S. Ghose, H. Saha. ANN- based signal conditioning and its hardware implementation of a nanostructured porous silicon relative humidity sensor, *International Journal of Sensors and Actuators B* 120/1 (2006) 130-141(www.elsevier.com/locate/snb), Citation No: 13
26. T. Islam, H. Saha. Hysteresis compensation of a porous silicon relative humidity sensor using ANN technique, *International Journal of Sensors and Actuators B* 114 (2006) 334-343 (www.elsevier.com/locate/snb), Citation No. 11.
27. C. Pramanik, T. Islam, H. Saha, Temperature compensation of piezoresistive micromachined porous silicon pressure sensor using ANN, *International Journal of Microelectronics Reliability* 46 (2006) 343-351, (www.elsevier.com/locate/microrel), Citation No. 10.
28. T. Islam, H. Saha, Modeling of an aged porous silicon humidity sensor using ANN technique”, *Sensors & Transducers Journal* 72 (10) (2006) 731-739 (www.sensorsportal.com).
29. T. Islam, H. Saha, Electrical characterization of porous silicon vapor sensor with metal contacts on silicon, *Sensors Letter* 4, (2006) 440-445 (www.aspbs.com/sensorlett), Citation No. 02.

Year: 2005

30. T. Islam, C. Pramanik, H. Saha, Modeling, simulation and temperature compensation of porous polysilicon capacitive humidity sensor using ANN technique, *International Journal of Microelectronics Reliability* 45 (2005) 697-703 (www.elsevier.com/locate/microrel), Citation No. 11.
31. T. Islam, H. Saha, Development of active bridge technique for measuring low capacitance over wide frequency range, *National Journal of Education (IETE)* 46 (1) (2005) 19-25.

Year: 2004

32. T. Islam, K.K. Mistry, K. Sengupta, H. Saha, Measurement of gas moisture in the ppm range by porous silicon (PS) and porous alumina sensors, *International Journal of Sensors and Materials* 16 (7) (2004) 345-356 (www.myu-inc.jp/myukk/S&M), Citation No. 10.

33. C. Pramanik, T. Islam, H. Saha, Impact of self heating in silicon MEMS piezoresistive pressure sensor, *Sensors Letter* 2 (2004,) 131-137 (www.aspbs.com/sensorlett).

Dr. Manuallah
Associate Professor

Dr. Shabana Mehfuz
Associate Professor

International Journals:

1. Shabana Mehfuz , “Strategies of Swarm Intelligent Secure Routing Algorithms for MANETs”, *International Journal of Modern Embedded System*, ISSN: 2320-9003, Volume 1, issue 2, April 2013, pp 16-20.
2. Ghazala Parveen Khan, Munna Khan, Shabana Mehfuz, “Comparitive study of 2C molecular level, 3C water molecular level and 3C mineral molecular level of Indian subjects”, *International Journal of Advancement in Research and Technology*, ISSN 2278-7763, Volume 2, Issue2, February-2013, pp 1-21.
3. Ghazala Parveen Khan, Munna Khan, Shabana Mehfuz, “Development of BioElectrical Impedance Analysis Equations(BIA) to predict body composition of Indian Males”, *World Applied Programming*, ISSN: 2222-2510, Vol. 3, Issue-1, Jan 2013, pp 14-33.
4. Ghazala Parveen Khan, Munna Khan, Shabana Mehfuz, Developing Linear Regression Model for Indian Males and Validating the Results with BIA Analyser”, *Journal of Medical Sciences*, ISSN 2320- 1282, Vol. 1, Issue 1, Dec. 2012, pp. 12-24.
5. Shabana Mehfuz, “Performance Analysis and Modeling of Broadband Power line Communications”, *International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)*, (ISSN: 2278 – 909X), Volume 1, Issue 2, August 2012.
6. Ghazala Parveen Khan, Munna Khan, Shabana Mehfuz, Developing Linear Regression Model for Indian Males” *Journal of Exercise Physiology*, ISSN 1097-9751, Vol. 14, Issue 3, June 2011, pp. 1-21.
7. Rashmi, Shabana Mehfuz, G.Sahoo, “A five-phased approach for the cloud migration”, *International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459)*, Volume 2, Issue 4, April 2012.
8. Sumit Kumar, Shabana Mehfuz, “Review of Survivable initiatives for Key Management and Access control” *International Journal of Science ,Engineering & Computer Technology*, Volume 1, Issue 2, March 2012, pp. 186-188.
9. Gauri Katiyar, ShabanaMehfuz, “Evolutionary Computing Techniques in Off-line Handwritten Character Recognition: A Review”, *UACEE International Journal of*

- Computer Science and its Applications, Vol-1, Issue-1, [ISSN-2250-3765], 2012, pp-133-137.
10. ShabanaMehfuz, Gauri Katiyar, “Intelligent Systems for Off-line Handwritten Character Recognition: A Review”, International Journal of Emerging Technology and Advanced Engineering, Vol-2, Issue- 4, [ISSN-2250-2459], April 2012, pp-538-544.
 11. Ghazala Parveen Khan, Munna Khan, Shabana Mehfuz, “Multifrequency Bio Impedance Analysis (BIA) for Assessing TBW and FFM of Indian Females”, International Transactions in Mathematical Sciences and Computers Volume-4, Jan-June 2011.
 12. Shabana Mehfuz, M. N. Doja, “Swarm Intelligent Power Aware Detection of Unauthorized and Compromised Nodes in MANETs”, Journal of Artificial Evolution and Application, Article ID 263803, Vol. 2008, pp. 1-16.
 13. R. Radhakrishnan, Majid Jamil, Shabana Mehfuz, Moinuddin, “A robust routability procedure for mobile IPV6”, International Journal of Computer Science & Network Security. ISSN : 1738-7906, Vol.8 No.5, May 2008.
 14. Javed Beg, Shabana Mehfuz, M. N. Doja, “SOA Based Universal Application Integration Framework”, Gyan Management, International Journal of Management and Technology, Vol.2, Issue 1, 2008, pp. 100-113.
 15. Shabana Mehfuz, M. N. Doja, “Nature Inspired Energy Efficient Routing Algorithm for MANETs”, International Journal of Computational Intelligence: Theory and Practice, Vol. 2, No. 2, December 2007, pp. 113-124.

National Journals:

1. G.Sahoo, Shabana Mehfuz, Rashmi, “ Cloud Computing: Changing the Way We Communicate”, Communication Express, BITS Mesra, Ranchi, Macmillan Publishers, 2012.
2. M. N. Doja, Shabana Mehfuz, “Challenges and Issues Faced by Secure Routing Protocols for MANETs”, Communications , CSI Communications, Vol. 31, No. 4, July 2007, pp 38-41.
3. Majid Jamil, Shabana Mehfuz, Bal Krishna, “Fuzzy Logic Based Analysis of Effect of Electrical and Physical Conditions on Electrical Parameters of ACSR Conductors”, Journal of Engineering & Technology Education, vol. 1, no. 1, 2007, pp 30-37. Publications in International Conferences:
 1. Rashmi, Shabana Mehfuz, G.Sahoo, A new waterfall model for cloud migration, National Conference on Recent Advances in Communication, Control and Computing Technology(RACCCT-12),March- 2012,Surat ,India
 2. Rashmi, G.Sahoo, Shabana Mehfuz, A software engineering approach for cloud migration, International Conference on Advances in Cloud Computing (ACC-2012) July-2012 ,Bangalore, India.

3. Reetu, Parmod Kumar, Shabana Mehfuz, Switching Sensitivity of Distribution Network for Restoration after Blackout/Partial Blackout, National Electrical Engineering Conference (NEEC-2011) on Power and Energy Systems for Tomorrow, December 2011.
4. Reetu, Shabana Mehfuz, Mini S. Thomas, "Development of Wireless Sensor Network for Distribution System Management", International Conference on Control, Communication and Power Engineering 2010, pp 263-267.
5. R Radhakrishnan, Majid Jamil, Shabana Mehfuz, Moinuddin, "Security Vulnerabilities in mobile IPv6", International Conference on Computer Networks and Security, ICCNS 08, September 27-28, 2008, pp 293-296.
6. Shabana Mehfuz, Abhishek Sinha, Mini S. Thomas, "Modeling of Indoor power line for Substation monitoring using Broadband Power line Communications", Tencon 2008, pp 1-4.
7. Shabana Mehfuz, Iqbal Ali, Mini S. Thomas, "Ad Hoc Based Secure Architecture for Survivable and Reliable Substation Automation System", Powercon 2008, pp 1-6.
8. Shabana Mehfuz, M. N. Doja, "Trust Based Unauthorized and Malicious Node Detection Scheme for Secure data Transfer", International Conference on Data Management 2008.
9. R Radhakrishnan, Majid Jamil, Shabana Mehfuz, Moinuddin, "Security Issues in IPv6", Networking and Services, 2007. ICNS. Third International Conference. Digital Object Identifier 10.1109/ICNS.2007.106, pp. 110-114.
10. M. N. Doja, Shabana Mehfuz, "A Comprehensive Review of Power Conservation Strategies for Mobile Ad Hoc Network", International Conference on Wireless Networking & Mobile Computing, December 28-30, 2005, pp 12-18.
11. M. N. Doja, Shabana Mehfuz, "Graphical Query Language for Document Repository", Third International Conference on Flexible Systems Management, New Delhi, March 13-14, 2004.
12. M. N. Doja, Shabana Mehfuz, "Graphical Data Model Based Repository for HTML Documents", Third International Conference on Flexible Systems Management, New Delhi, March 13-14, 2004. Publications in National Conferences:
 1. M. N. Doja, Shabana Mehfuz, "Philosophies of Swarm Intelligent Secure Routing Algorithms for MANETs", National Conference on Next Generation Computing & Information Systems, 12-13 May, 2007.
 2. M. N. Doja, Shabana Mehfuz, "QoS Issues in Mobile Ad Hoc networks", National conference on High Performance Computing for Next generation, 27 September, 2007, pp 165-169.

3. Shabana Mehfuz, M. N. Doja, "Energy Efficient Routing Algorithm for Mobile Ad Hoc Network's Resource Management", National Conference on Emerging Trends in Signal Processing & Communication (ETSPC-07), 27-29 December 2007, pp 325-331.
4. Majid Jamil, Shabana Mehfuz, Bal Krishna, "Fuzzy Model to Study Effect of Different Physical Conditions on Electrical Parameters of ACSR Conductors", National Conference on Power Electronics and Intelligent Control, 2007, pp 169-173.
5. R. Radhakrishnan, Majid Jamil, Shabana Mehfuz, Moinuddin, "UPNP over IPv6", National conference on Restructuring of Technical Education to meet the Global Industrial Needs – 2006, BIT Bangalore, pp. 35

Dr. Naimul Hasan
Associate Professor

(A) Journals:

1. Naimul Hasan, Ibraheem and Prabhat Kumar, "Optimal Automatic Generation Control of Interconnected Power System Considering New Structures of 'Q' Electric Power Components and Systems U.S.A.), Volume 41, Issue 2, pp. 136-156, 2013. (Taylor & Francis), Impact Factor =0.681
2. Naimul Hasan, Ibraheem, Prabhat Kumar and Nizamuddin "Sub-optimal automatic generation control of interconnected power system using constrained feedback control strategy", International Journal of Electrical Power and Energy Systems, Vol. 43, pp.295-303, 2012. (Elsevier), Impact Factor=2.247
3. Naimul Hasan, Ibraheem, and Prabhat Kumar, "Optimal AGC of interconnected power system with modified area control error", International Journal of Power and Energy Systems, vol.32, No.4, 2102. (ACTA PRESS).
4. Ibraheem, Prabhat Kumar, Naimul Hasan and Nizamuddin, "Sub-optimal AGC of interconnected power system using output vector feedback control strategy", Electric Power Components and System (U.S.A.), vol.40, no.9, pp. 977-994, 2012. (Taylor & Francis), Impact Factor=0.681
5. Ibraheem, Naimul Hasan, Prabhat Kumar and Yadav Singh, "Optimal AGC of interconnected power system with asynchronous tie-line under deregulated environment", Electric Power Components and System (U.S.A.), vol.40, no.10, pp.1208-1228, 2012. (Taylor & Francis), Impact Factor=0.681.
6. Naimul Hasan, Ibraheem and Shuaib Farooq, "Real time simulation of automatic generation control for interconnected power system", International Journal of Electrical Engineering and Informatics, vol. 4, no.1, pp. 40-51, March 2012.
7. S.U. Ahmad and Naimul Hasan, "Stability Analysis of Phase Controlled Closed Loop DC Drive with Elastic Coupling using D-Partition Technique", Electric Power Components and Systems (U.S.A.), vol. 33, number 8, p.p.819-832, August 2005. (Taylor & Francis), Impact Factor=0.681

8. Naimul Hasan, Ibraheem and Shuaib Farooq, "Dynamic performance analysis of DFIG based wind farm with STATCOM and SVC", International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 7, pp. 461-469, 2012.
9. Naimul Hasan, "Optimal AGC of Deregulated Interconnected Power System with Parallel AC/DC Link", International Journal of Modern Engineering Research, Vol.2, Issue.4, pp-2789-2794, 2012.
10. Naimul Hasan, "An Overview of AGC Strategies in Power", International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 8, pp. 56-64, 2012.
11. Naimul Hasan, "Optimal AGC Regulator Design for Deregulated Power System using Pole-Placement Technique", International Journal of Engineering and Management Research, Vol.2, No.4, pp. 19-25, 2012.
12. Naimul Hasan, "Design and Analysis of Pole-Placement Controller for Interconnected Power System", International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 8, pp. 212-217, 2012.
13. Ibraheem, Naimul Hasan and Omveer Singh, "GASA Tuned Optimal Fuzzy regulator for AGC of an Interconnected Power System", International Journal of Computer Applications, vol.20, no.8, pp.-43-48, April 2011.
14. Ibraheem, Omveer Singh and Naimul Hasan, "Genetic Algorithm Based Scheme for Optimization of AGC Gains of Interconnected Power System", Journal of Theoretical and Applied Information Technology, Vol. 12, no. 1, pp.33-39, 2010.
15. B.B. Arora, J.N. Rai and Naimul Hasan, "Effect of Supplementary heating on the performance of Combined Cycle", International Journal of Engineering Studies, vol.2, no.4, pp 481-489,2010.
16. J.N. Rai, Naimul Hasan, B.B. Arora, Ibraheem, " Optimization of Electrical Generator output at Varying input Condition Conditions in Combined Cycle Gas Turbine- A Bibliography", International Journal of Engineering Research & Technology, Vol.1,

Dr. Iqbal Ali

Sr. Assistant Professor

1. Iqbal Ali, "High-speed Peer-to-peer Based Protection Scheme Implementation and Testing in Laboratory", International Journal of Computer Applications (0975-8887), Vol. 38, No. 4, January 2012.
2. Iqbal Ali, Mini S. Thomas and Sunil Gupta, "Substation Communication Architecture to Realize the Future Smart Grid", International Journal of Energy Technologies & Policies, ISSN 2224-3232 (Paper), ISSN 2225-0573 (Online), Vol. 1, No. 4, 2011.

3. Mini S. Thomas, Iqbal Ali and Nitin Gupta, "Interoperability Framework for Data Exchange between Legacy and Advanced Metering Infrastructure", International Journal of Energy Technologies & Policies, ISSN 2224-3232 (Paper), ISSN 2225-0573 (Online), Vol. 2, No. 1, 2012.
4. Iqbal Ali, Mini S. Thomas and Pawan Kumar, "Load Models Effect on Energy Efficiency in Smart Distribution Systems", Proc. of NEEC-2011 (Paper ID-195), Delhi Technological University, December 16-17, 2011.
5. Iqbal Ali, Mini S. Thomas and Sunil Gupta, "Features and Scope of IEC 61850", Proc. of NEEC-2011 (Paper ID-328), Delhi Technological University, December 16-17, 2011
6. Mini S. Thomas, Iqbal Ali and Nitin Gupta, "AMI Integration in Smart Grid for Empowering Customer Satisfaction", Proc. of NEEC-2011 (Paper ID-553), Delhi Technological University, December 16-17, 2011
7. Iqbal Ali and Mini S. Thomas, "GOOSE based Implementation & Testing in Laboratory", 2011 PES Innovative Smart Grid Technologies Conference, 16-19 Jan 2011, Anaheim, CA, USA. [Online] Available: www.ieeexplore.org
8. Anupama Prakash, Iqbal Ali and Mini S. Thomas, "A Substation Automation Laboratory to facilitate the Next Generation Research", International Conference on Power System Protection and Automation, December 2010, New Delhi, India. [Online] Available: www.ieeexplore.org
9. Mini S. Thomas and Iqbal Ali, "Reliable, Fast and Deterministic Substation Communication Network Architecture and its Performance Simulation", IEEE Transaction on Power Delivery, Volume: 25, Issue: 4, 2010, Page(s): 2364 – 2370. [Online] Available: www.ieeexplore.org
10. Mini S. Thomas and Iqbal Ali, "Substation Protection Schemes Implementation and Testing using GOOSE Messages in a Laboratory Environment", IEEE Transaction on Power Delivery (Under Review).
11. Iqbal Ali and Mini S. Thomas, "Substation Communication Networks Architecture", Proceedings of the IEEE International Conference: POWERCON-2008, New Delhi. [Online] Available: www.ieeexplore.org
12. Iqbal Ali and Mini S. Thomas, "The Ethernet Communication Roadmap from Office to Substation Automation Systems", Proc. National Conference on Emerging Trends in Signal Processing and Communication, ETSPC, Dec. 27-29, 2007, MAE, Alandi, Pune, India, p. 42-45
13. Iqbal Ali and Mini S. Thomas, "Ethernet Enabled Fast and Reliable Monitoring Protection and Control of Electric Power Substation", IEEE International Conference: PEDES-2006 in New Delhi, [Online] Available: www.ieeexplore.org
14. Mini S. Thomas, Debajit Nanda, and, Iqbal Ali, "Development of a Data Warehouse for Non-operational Data in Power Utilities", IEEE International Conference: PIC-2006 in New Delhi, [Online] Available: www.ieeexplore.org

15. Shabana Mehfuz, Iqbal Ali and Mini S. Thomas, "Ad Hoc Based Secure Architecture for Survivable and Reliable Substation Automation System", Proceedings of the IEEE International Conference: POWERCON-2008, New Delhi. [Online] Available: www.ieeexplore.org
16. Iqbal Ali, Ibraheem and Shahida Khatoon, "A Reduced-order Observer and it's Convergence Analysis", National Conference on 'Recent Trends in Power Management' 16-17 August 2003. [Won the "Best Paper Award"]

Dr. Haroon Ashfaq
Assistant Professor

1. H. Ashfaq and S. Tripathi, "Performance Improvement of Wind Energy Conversion System using Matrix converter", IEEE Fifth India International Conference on Power Electronics, IICPE 2012, (Accepted).
2. H. Ashfaq and I. Hussain, "Performance improvement and analysis of stand-alone hybrid wind /battery/DG power generation system", 6th International Conference on Advanced Computing and Communication Technologies (ICACCT-2012), (Accepted).
3. H. Ashfaq and S. Tripathi, "Output Maximization of Grid Connected Wind Energy Conversion System using Doubly Fed Induction Generator", 6th International Conference on Advanced Computing and Communication Technologies (ICACCT-2012), (Accepted).
4. H. Ashfaq, "Small Signal Analysis of Current Mode Active-Clamp ZVS DC-DC converters" Power Electronics, Drives and Energy Systems (PEDES) & 2010 Power India, 2010 Joint International Conference, pp.1-5.
5. H. Ashfaq and M.S. Jamil Asghar, Development of Personal Computer Based Power Electronic Converter for Performance Improvement of Grid-Connected Wound Rotor Induction Generators", PECon 2006, Malaysia.
6. H. Ashfaq and M.S. Jamil Asghar, "Performance Improvement of Grid-Connected Wound Rotor Induction Generators", Proceedings of IEEE Power India conference 2006.
7. H. Ashfaq and M.S. Jamil Asghar, "Optimum Input Volt-Ampere Control of Three-Phase Induction Motors Connected to Distributed Generating Systems", Proceedings of IEEE International conference on Power Electronics and Drive Systems (PEDS) 2005, pp. 486-488.
8. H. Ashfaq and M.S. Jamil Asghar. "Speed control of wound rotor induction motors by ac regulator based optimum voltage control." Proceedings of IEEE International conference on Power Electronics and Drive Systems (PEDS) 2003, pp. 1037-1040.
9. S.A Nahvi, Haroon Ashfaq ,M.S.Jamil Asghar and M.Sufyan Beg, " Development of a Personal-Computer based Power-Electronic Controller for Induction Motors"

- Proceedings of National conference on Power Electronics and Drives (PEDC) 2006, pp. 146-149
10. Haroon Ashfaq , Md.Ehtasham, M.S. Jamil Asghar, and Abu Tariq ,“Starting Inrush Current Control of Three-Phase Induction Motors for Dispersed Generating Systems” Proceedings of National conference on Power Electronics and Drives (PEDC) 2006, pp. 150-155.

Rajveer Singh
Assistant Professor

Dr. Sheeraz Kirmani
Assistant professor

International Journal:

1. Sheeraz Kirmani, H Chatterjee and Majid Jamil :Techno-Economic Viability of Three Different Energy Supplying Options for Remote Area Electrification in India” international Journal of sustainable Energy, Taylor and Francis, Vol. 33, No. 2, pp.470–482, 2014.
2. Sheeraz Kirmani, Majid Jamil, Chakresh Kumar, M Jamil Ahmed “Techno Economic Feasibility Analysis of Solar Energy Based Distributed generation System to Electrify a rural Area Household in India”. International Journal of Engineering Science and Technology. Vol 2(10), 2010, 5231-37.
3. Sheeraz Kirmani, Majid Jamil and M Rizwan “Empirical correlation of estimating global solar radiation using metrological parameters,” accepted for publication in international journal of sustainable energy, Taylor and Francis. DOI:10.1080/14786451.2013.826222.
4. Sheeraz Kirmani, Amit Kumar, “Generalized Methodology for the Prediction of Wind Power: A Fuzzy Logic Based Approach”, International Journal of Engineering Science and Research, vol. 2, 2011, pp. 57-60.
5. Sheeraz Kirmani, Md. Farrukh Rahman, Chakresh Kumar “Loss Reduction in Distribution Systems using Fuzzy Techniques” International Journal of Advanced Computer Science and Applications. Vol. 1 No. 3, pp 15-19 September 2010.
6. Sheeraz Kirmani, Majid Jamil and M Rizwan “Techno- Economic Feasibility Analysis of Solar Photovoltaic Power Generation: A Review” communicated to international Journal of renewable energy and smart grid (Journal of Scientific Research).

7. Sheeraz Kirmani, Majid Jamil, K M Rafi “A Hybrid Model for Energy Generation in Faridabad India” Global Sci-Tech, AF’s Journal of Science and Technology. Vol. 3(2) April- June 2011. 83-86
8. Sheeraz Kirmani, M Rizwan, Majid Jamil and D P Kothari “Fuzzy Logic Based Modeling and Estimation of Global Solar Energy using Meteorological Parameters” International Journal of Energy, Vol 70 (2014), pp. 685-691 Under, Elsevier

International Conferences

1. Sheeraz Kirmani, Md. Farrukh Rahman, Anwar Shahzad Siddiqui, “Optimal Capacitor Placement in Distribution System using Fuzzy Techniques” Proc. of. Int. Conf. on AME 2010. pp. 28-31
2. Sheeraz Kirmani, Majid Jamil and M Rizwan, “Optimal Placement of SPV based DG System for Loss Reduction in Radial Distribution Network Using Heuristic Search Strategies” in proceedings of IEEE International Conference Energy, Automation and Signal held in Bhubhaneshwar, 28-30 December 2011.
3. Sheeraz Kirmani, Majid Jamil “Optimal Allocation of SPV based DG System for Loss reduction and Voltage Improvement in Radial Distribution Systems Using Approximate Reasoning” in proceedings of IEEE India international conference on Power Electronics, held in Delhi Technological University, Delhi, India in December, 2012.

National Conferences:

1. Sheeraz Kirmani “Issues in DG Placement in distribution Systems” in national Electrical Engineering Conference during December 16-17 Delhi Technological University Delhi
2. Sheeraz Kirmani, Pavan Sharma, T S Bhatti “Optimal Placement of Capacitors for radial Distribution systems using Heuristic Search Strategies” pp.3-7 Proceedings of the National Conference on Recent Advances in Electrical and Electronics Engineering 09 held on 23-24 December 2009 in National Institute of Technology Hamirpur.
3. Sheeraz Kirmani, M Rizwan, Majid Jamil “Design and Economic Analysis of SPV System for Domestic Load Demand: A Case Study”. In proceedings of National Conference on Micro Solar Energy Generation and Utilization held in Indian Institute of Technology Kanpur 3-4, pp. 27-31, September 2011.

Ahteshamul Haque
Assistant Professor

Patents:

International Patents:

1. USA Patent Awarded: USP-7183721 Haque Ahteshamul, “ Ballast with Circuit for detecting and eliminating an arc condition” USA Patent No. – 7183721, Feb 2007. 2. Europe Patent Applied: EP- 1742517 Haque Ahteshamul, “ Ballast with circuit for detecting and eliminating an

Abrar Ahmad
Assistant Professor

Journals:

1. Abrar Ahmad, A.S. Siddiqui, “**Modeling of A Wind Diesel Integrated System with No Storage**”, International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459 (Online), Volume 4, Special Issue 1, February 2014.
2. Abrar Ahmad, A.S. Siddiqui, Aman Kumar “**Performance of Wind Diesel Integrated System Under Different Wind Conditions**”, International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459 (Online), Volume 4, Special Issue 1, February 2014.
3. Ishtiyaq Shafi Rafiqi, Abrar Ahmad, Mehtab Fatima, “**The Performance of A Solar Wind Hybrid System In Power Grid**”, Advance Scientific Letter, American Scientific Journal, Volume 20, pp 1287-1296, June 2014.
4. Anwar Shahzad Siddiqui, Abrar Ahmad, “**Public Participation in Power Generation-An Assessment through SPV in India**”, International Journal of Emerging Engineering Research and Technology (ISSN 2349-4395 (Print) & ISSN 2349-4409 (Online)), Volume 2, Issue 6, October 2014.