Department of Electrical_Engineering

Total No. of International *Journals* **= 297**

International Journals

Dr. Nidul Sinha (07)

1. Das D. C., Roy A. K., Sinha N. PSO Optimized Frequency Controller for Wind- Solar thermal- Diesel Hybrid Energy Generation System: A Study. International Journal of Wisdom Based Computing, 1 (3) (2011) 178-133.
2. Das D. C., Roy A. K., Sinha N. GA based frequency controller for solar thermal–diesel–wind hybrid energy generation/energy storage system. Int J Electr Power Energ Syst 43 (2012), 262-279.
3. L. C. Saikia, S. Mishra, Nidul Sinha, J. Nanda, "Automatic generation control of a multi-area hydrothermal system using reinforcement learning neural network controller" International Journal of Electrical Power and Energy Systems, Vol. 33, Issue 4, May 2011, pages 1101-1108.
4. Shuma Adhikari, N. Sinha, "Optimal Allocation and Sizing of SSSC Controller to Minimize Power Production Cost and Transmission loss" IJCS, Inderscience,
5. Nidul Sinha, R. Chakrabarti and P. K. Chattopadhyay: "Fast evolutionary programming techniques for short-term hydrothermal scheduling", Electric Power System Research, Vol. 66, Issue 2, August 2003, pages 97-103.
6. Nidul Sinha, R. Chakrabarti and P. K. Chattopadhyay: "Fast evolutionary programming techniques for short-term hydrothermal scheduling ", IEEE Transactions on Power Systems, Vol.18, No.1, February 2003, pages 214-220.
7. Nidul Sinha, R. Chakrabarti and P. K. Chattopadhyay: "Evolutionary programming techniques for economic load dispatch", IEEE Transactions on Evolutionary Computation, Vol.7, No.1, February 2003, pages 83-94.

Dr. Binoy Krishna Roy (82)

1. J. P. Singh and B. K. Roy, Five new 4-D autonomous onservative chaotic systems with various type of non-hyperbolic and lines of equilibria, Chaos Solitons & Fractals, 114, 81-91 (2018).
2. J. P. Singh, K. Rajagopal, B. K. Roy, A new 5D hyperchaotic system with stable equilibrium point, transient chaotic behaviour and its fractional-order form, Pramana, 91(3),33-41,2018
3. P. Prakash, J. P. Singh, B. K. Roy, Fractional-order memristor-based chaotic jerk system with no equilibrium point and its fractional-order backstepping control, IFAC-PapersOnLine, 51(1),1-6,2018
4. S. Barman, S. Samanta, J. P. Mishra, P. Roy, B. K. Roy, Design and Implementation of an IDA-PBC for a Grid Connected Inverter used in a Photovoltaic System, IFAC-PapersOnLine, 51(1), 680-685, 2018

5. Manashita Borah and B. K. Roy, Fractional-order systems with diverse dynamical behaviour and their switching-parameter hybrid-synchronisation, European Physical Journal Special Topics, Springer, vol 226, pp. 3747-3773, 2018

6. P. P. Singh K. M. Singh, and B. K. Roy,Chaos control in biological system using recursive backstepping sliding mode control, Physics Journal Special Topics (EPJ ST), July 2018. (Article in press)

7. Bidhan Malakar, B.K. Roy, Adaptive Multisensor Data Fusion Technique for Train Localisation and Detection of Accidental Train Parting, Radar, Sonar & Navigation, 12(8), 853 – 861, 2018

8. L. Seban, N Boruah, B. K. Roy, Development of FOPDT and SOPDT model from arbitrary process identification data using the properties of orthonormal basis function, International Journal of Engineering and Technology (UAE), 7 (2.21), 77-83, (2018)

9. S. Samanta, J. P. Mishra, B. K. Roy, Virtual DC machine: an inertia emulation and control technique for a bidirectional DC–DC converter in a DC microgrid, IET Electric Power Applications, 12(6), 874 – 884, 2018

10. P.P.Singh, B.K.Roy, Comparative performances of synchronisation between different classes of chaotic systems using three control techniques, Annual Reviews in Control, Vol. 45, 2018, Pages 152-165

11. P, Prakash, K.Rajagopal, J.P.Singh, B.K.Roy, Megastability in a quasi-periodically forced system exhibiting multistability, quasi-periodic behaviour, and its analogue circuit simulation, AEU - International Journal of Electronics and Communications, Vol. 92, August 2018, Pages 111-115

12. K. Lochan, J. P. Singh, B. K. Roy, B. Subudhi, Adaptive time-varying super-twisting global SMC for projective synchronisation of flexible manipulator, Nonlinear Dynamics, In Press, May-2018

13. J. P Singh and B. K. Roy, A more chaotic and easily hardware implementable new 3-D chaotic system in comparison with 50 reported systems, Nonlinear Dynamics. DOI: https://doi.org/10.1007/s11071-018-4249-3, In Press

14. J. P Singh, B. K. Roy and Zhouchao Wei, A new four-dimensional chaotic system with first Lyapunov exponent =22, hyperbolic curve and circular paraboloid types of equilibria and its switching synchronization by an adaptive global integral sliding mode control, Chinese Physics B, Vol. 27(4), 040500-040514, 2018

15. S. Samanta, J. P.Mishra and B. K. Roy, Hierarchical Virtual Inertia Control of a Grid Connected Inverter Interfaced DC Micro Grid to Regulate the DC Bus Voltage, Journal of Advanced Research in Dynamical and Control Systems , 10(03-Special Issue):186-195,2017

16. J. P Singh and B. K. Roy, Hidden attractors in a new complex generalised Lorenz hyper-chaotic system, its synchronisation using adaptive contraction theory, circuit validation and application, Nonlinear Dynamics, Vol. 92(2), 373-394, 2018

17. J. P Singh, B. K. Roy and S. Jafari, New family of 4-D hyperchaotic and chaotic systems with quadric surfaces of equilibria, Chaos Solitons & Fractals, Vol. 106, pp. 243-257, 2017

18. C. Bhattacharjee, and B. K. Roy, A Novel Fuzzy-Supervisory Control of a Hybrid System to Improve Contractual Grid Support with Fuzzy Proportional-Derivative and Integral (FPD+I) Control for Power Quality Improvement, IET Generation Transmission & Distribution, DOI: 10.1049/iet-gtd.2017.0708

19. M. Borah and BK Roy, Can fractional-order coexisting attractors undergo a rotational phenomenon?, ISA Transactions, DOI: 10.1016/j.isatra.2017.02.007

20. P. Roy, B. Kar, BK Roy, Fractional Order PI-PD Control of Liquid Level in Coupled Two Tank System and its Experimental Validation: Cascaded FOPI-FOPD Control, Asian Journal of Control, Volume 19, Issue 5 Pp. 1699–1709.

21. M. Borah, BK Roy, An enhanced multi-wing fractional-order chaotic system with coexisting attractors and switching hybrid synchronisation with its nonautonomous counterpart, Chaos Solitons & Fractals, Volume 102, September 2017, Pp. 372-386.

22. JP Singh and BK Roy, The simplest 4-D chaotic system with line of equilibria, chaotic 2-torus and 3-torus behaviour, Nonlinear Dynamics, Volume 89, Issue 3, pp 1845–1862.

23. JP Singh and BK Roy, Multistability and hidden chaotic attractors in a new simple 4-D chaotic system with chaotic 2-torus behaviour, International Journal of Dynamics and Control, DOI: 10.1007/s40435-017-0332-8

24. M. Borah, P. Roy and BK Roy, Enhanced Performance in Trajectory Tracking of a Ball and Plate System using Fractional Order Controller, IETE Journal of Research, DOI: 10.1080/03772063.2017.1343157

25. P. P. Singh, JP Singh and BK Roy, NAC-based Synchronisation and Anti-synchronisation Between Hyperchaotic and Chaotic Systems, Its Analogue Circuit Design and Application, IETE Journal of Research, Volume 63, 2017 - Issue 6, Pages 853-869.

26. JP Singh and BK Roy, Coexistence of Asymmetric Hidden Chaotic Attractors in a New Simple 4-D Chaotic System with Curve of Equilibria, Optik - International Journal for Light and Electron Optics, Volume 145, September 2017, Pages 209-217.

27. J. P. Singh, K. Lochan, N. V. Kuznetsov, and B. K. Roy, Coexistence of single- and multi-scroll chaotic orbits in a single-link flexible joint robot manipulator with stable spiral and index-4 spiral repellor types of equilibria, Nonlinear Dynamics, Volume 90, Issue 2, pp 1277–1299.

28. K. Lochan, B. K. Roy, B. Subudhi, Robust tip trajectory synchronisation between assumed modes modelled two-link flexible manipulators using second-order PID terminal SMC, Robotics and Autonomous Systems, Vol. 97, November 2017, Pages 108-124.

29. JP Singh and BK Roy, Second order adaptive time varying sliding mode control for synchronization of hidden chaotic orbits in a new uncertain 4-D conservative chaotic system, Transactions of the Institute of Measurement and Control, DOI: 10.1177/0142331217727580

30. P. Roy, B. Kar, and B. K. Roy, Fractional order PI-PD control of liquid levelin coupled two tank system and its experimental validation, Asian Journal of Control, vol. 19, no. 5, pp. 1–11, 2017.

31. K V Santhosh, B K Roy, Online Implementation of an adaptive calibration Technique for Displacement Measurement using LVDT, Applied Soft Computing Journal, Vol. 53, pp. 19-26, 2017.

32. C. Bhattacharjee, B.K. Roy, Performance analysis of fuzzy-proportional integral (PI) control for improvement in Quality and magnitude of dispatched power for weak grid-tied hybrid system, International Conference on Signal Processing, Communication, Power and Embedded Systems (SCOPES)-2016, http://www.scopes.co.in/papers/OR0265.pdf

33. M. Borah, B. K. Roy, Dynamics of the Fractional-order Chaotic PMSG, its Stabilisation using Predictive Control and Circuit Validation, IET Electric Power Applications, pp.1-10, ISSN 1751-8660, DOI: 10.1049/iet-epa.2016.0506, 2016.

34. M. Borah, B. K. Roy, Design of Fractional-order Hyperchaotic Systems with Maximum Number of Positive Lyapunov Exponents and Their anti-synchronisation using Adaptive Control, International Journal of Control, doi. 10.1080/00207179.2016.1269948

35. JP Singh and BK Roy, Crisis and Inverse Crisis Route to Chaos in a New 3-D Chaotic System with Saddle, Saddle Foci and Stable Node Foci Nature of Equilibria, Optik-International Journal for Light and Electron Optics, VOl. 127 no. 24,pp. 11982–12002.

36. JP Singh and BK Roy, Comment on "Theoretical Analysis and Circuit Verification for Fractional-Order Chaotic Behavior in a New Hyperchaotic System", Mathematical Problems in Engineering, Vol. 2016, pp. 1-3, 2016.

37. JP Singh and BK Roy, The nature of Lyapunov exponents is (+,+,−,−). Is it a hyperchaotic system?, Chaos, Solitons & Fractals, Vol. 92, pp. 73-85, 2016.

38. JP Singh and BK Roy, A New 4-D Conservative Chaotic system with Coexistence of Hidden Chaotic Orbits, International Journal of Control Theory And Applications, Pp. 231-238, 9(39), 2016.

39. PP Singh, JP Singh and BK Roy, SMC based Synchronization and Anti-synchronization of Chaotic Systems for Secure Communication and Analog Circuit Realization, International Journal of Control Theory And Applications, Pp. 171-183, 9(39), 2016.

40. JP Singh, PP Singh, BK Roy, Implementation for Synchronization of Chen and Liu-Yang Chaotic Systems using SMC and Active Control Schemes, International Journal of Control Theory And Applications, Pp. 159-169, Vol. 9(39), 2016.

41. N. Boruah, L. Seban, B. K. Roy, Design and Performance Comparison of Different Predictive Controllers for Magnetic Levitation System, International Journal of Control Theory And Applications, Pp. 103-110, Vol. 9(39), 2016.

42. D. Bhattacharje, B. Malakar, P. Singh, S. Neog and B. K. Roy, Parametric sensitivity analysis of undercarriage components of a railway vehicle and their correlation to derailment safety and ride comfort, International Journal of Control Theory And Applications, p. 83-94, Vol. 9(39), 2016.

43. K. Lochan, and B. K. Roy, Trajectory Tracking Control of an AMM Modelled TLFM using Backstepping Method, International Journal of Control Theory And Applications, pp. 239-246, Vol. 9(39), 2016.

44. S. Samanta, J. P. Mishra, C. Bhattacharje, B. K. Roy, Coordinated Control of an Isolated DC Microgrid with Dynamic Source Variation and Wide Load Fluctuation, International Journal of Control Theory And Applications, p. 259-268, Vol. 9(39), 2016.

45. K. V. Santhosh, B. K. Roy, A practically validated adaptive calibration technique for temperature measurement using resistance temperature detector, Engineering Intelligent Systems, p. 1-8, Vol. 23, No. 3 Sep. 2015.

46. K. Lochan, B. K. Roy, B. Subudhi, A review on two-link flexible manipulators, Annual Reviews in Control, p. 346–367, Vol. 42, 2016.

47. K. Lochan, B. K. Roy, B. Subudhi, Generalized projective synchronization between controlled master and multiple slave TLFMs with modified adaptive SMC, Transactions of the Institute of Measurement and Control, Nov. 2016, doi: 10.1177/0142331216674067

48. M. Borah, B. K. Roy, Dynamics of the Fractional-order Chaotic PMSG, its Stabilisation using Predictive Control and Circuit Validation, IET Electric Power Applications, Volume 11, Issue 5, May 2017, p. 707 – 716.

49. P. Roy, A. Das, B. K. Roy, Cascaded fractional order sliding mode control for trajectory control of a ball and plate system, Transactions of the Institute of Measurement and Control, Oct. 2016, doi. 10.1177/0142331216663826.

50. A K Prajapati, and BK Roy, Multi-fault Diagnosis in Three Coupled Tank System using Unknown Input Observer, IFAC-PapersOnLine, Vol.49,1, pp.47-52,

51. K, Lochan B. Subudhi and BK Roy, SMC Controlled Chaotic Trajectory Tracking of Two-Link Flexible Manipulator with PID Sliding Surface, IFAC-Papers OnLine, Vol. 49, 1, 2016, PP. 219-224.

52. L Seban, N Boruah and BK Roy, Modified Single Layer Economic Model Predictive Control and Application to Shell and Tube Heat Exchanger, IFAC-Papers OnLine , Vol. 49, 1, 2016, PP. 754-759.

53. JP Singh and BK Roy, A Novel hyperchaotic System with Stable and Unstable Line of Equilibria and Sigma Shaped Poincare Map, IFAC-Papers OnLine , Vol. 49, 1, 2016, PP. 526-531.

54. PP singh, JP Singh, M Borah and BK Roy, On the Construction of a New Chaotic System, IFAC-Papers OnLine, Vol. 49, 1, 2016, PP. 522–525.

55. M Borah, PP Singh and BK Roy, Improved Chaotic Dynamics of a Fractional-Order System, its Chaos-Suppressed Synchronisation and Circuit Implementation, Circuits Systems and Signal Processing, Special Issue, March 2016.

56. P Roy and BK Roy, Dual Mode Adaptive Fractional Order PI Controller with Feedforward Controller Based on Variable Parameter Model for Quadruple Tank Process, ISA Transactions , In Press, March 2016.

57. P Roy and BK Roy, Fractional Order PI Control Applied to Level Control in Coupled Two Tank MIMO System with Experimental Validation, Control Engineering Practice, Vol. 48, 119–135, Jan. 2016.

58. C. Bhattacharjee and BK Roy, Advanced fuzzy power extraction control of wind energy conversion system for power quality improvement in a grid tied hybrid generation system, IET Generation Transmission & Distribution, Vol. 11, 1-9, Jan. 2016.

59. A Sarkar and BK Roy, Comparative Study of Counting Algorithms and Its Performance Analysis, International Journal of Control Theory And Applications, Vol. 8 (3), 1137-1145, 2015.

60. A Sarkar and BK Roy, Image Based Faults Inspection of Cigarette Packets on LabVIEW Platform, International Journal of Control Theory And Applications, Vol. 8 (3), 1137-1145, 2015.

61. PP Singh, JP Singh and BK Roy, Synchronization of Chaotic Systems using NAC and Its Application to Secure Communication, International Journal of Control Theory And Applications, Vol. 8 (3), 995-1003, 2015.

62. KV Santhosh and BK Roy, A Practically Validated Intelligent Calibration Technique using Optimized ANN for Ultrasonic Flow meter, International Journal on Electrical Engineering and Informatics, Vol. 7(3), 379-393, 2015.

63. JP Singh and BK Roy, Analysis of an One Equilibrium Novel Hyperchaotic System and its Circuit Validation, International Journal of Control Theory And Applications, Vol. 8 (3), 1015-1023, 2015.

64. JP Singh and BK Roy, A Novel Asymmetric Hyperchaotic System and its Circuit Validation, International Journal of Control Theory And Applications, Vol. 8 (3), 1005-1013, 2015.

65. K. Lochan and BK Roy, Position Control of Two-link Flexible Manipulator using Low Chattering SMC Techniques, International Journal of Control Theory And Applications, Vol. 8 (3), 1137-1145, 2015..

66. Namita Boruah, Lalu Seban and B. K. Roy, Fuzzy based multiple model predictive control design and performance analysis of magnetic elevator system, Int. Journal of Applied Sciences and Engineering Research, Vol. 4(5), 750-757, 2015.

67. L. Seban, K. Velswamy, BK Roy and T. K. Radhakrishnan, GOBF-ARMA based model predictive control for an ideal reactive distillation column, Ecotoxicology and Environmental Safety, Ecotoxicology and Environmental Safety, Elsevier, Vol. 121, 110-115, 2015.

68. KV Santhosh and BK Roy, FPGA Implementation of Oxygen Level Monitoring in Oxygen Cylinder, International Journal of Bio-Science and Bio-Technology, Vol. 7 (5), 225-234, 2015.

69. KV Santhosh and BK Roy, A practically validated adaptive calibration technique using optimized artificial neural network for level measurement by capacitance level sensor, Measurement and Control, SAGE Publication, Vol. 48(7) 217-224, 2015,

70. KV Santhosh and BK Roy, A Practically Validated Intelligent Calibration Circuit Using Optimized ANN for Flow Measurement by Venturi, IE(I) Journal Electrical Series (B), Vol. 97(1). 31-39, Mar. 2015..

71. PP Singh, JP Sing and BK Roy, Synchronization and Anti-synchronization of Lu and Bhalekar-Gejji Chaotic Systems using Nonlinear Active Control, Chaos, Solitons and Fractals, Vol. 69, Issue 2, pp. 31-39, October, 2014.

72. KV Santhosh, and BK Roy, Practically Validated Adaptive Calibration Technique for Thermocouple using Optimized ANN, ACEEE Journal on Control Systems and Instrumentation, Vol.5, No. 1, pp. 1-7, Feb 2014.

73. KV Santhosh, and BK Roy, An Intelligent Pressure Measurement Technique by Capacitance Pressure Sensor Using Optimized ANN, International Journal on Electrical and Power Engineering, Vol. 4, Issue 1, Feb 2013.

74. KV Santhosh and BK Roy, An Intelligent Flow Measurement Technique using Ultrasonic Flow meter with Optimized Neural Networks, International Journal of control and automation, Vol.5, No.4, pp. 185-196, Dec 2012.

75. KV Santhosh, and BK Roy, An Improved Intelligent Temperature Measurement by RTD using Optimal ANN, International Journal on Artificial Intelligence and Neural Network Vol. 2, No.2, pp. 17-21, 2012 .

76. KV Santhosh and BK Roy, An Intelligent Flow Measurement Technique Using Orifice International Journal of Applied Physics and Mathematics Vol. 2, No. 3, pp. 165-168, 2012

77. KV Santhosh and BK Roy, A Robust Level Measuring Technique using Capacitance Level Sensor, International Journal of Instrumentation Science and Engineering,Vol. 2, No. 1, pp. 1-12, 2012 .

78. KV Santhosh and BK Roy, An Intelligent Displacement Measurement Technique using LVDT with an Optimized ANN, International Journal of Artificial Intelligent Systems and Machine Learning, Vol.5, No.7, July, 2012.

79. KV Santhosh and BK Roy, An Intelligent Temperature Measurement Technique Using J Type Thermocouple with an Optimal Neural Network, Journal of Sensors and Transducers, by Sensor portal, Vol. 147, No. 12, pp. 6-14, December 2012.

80. B. K. Roy, Santhosh Kv and P. K. Bhowmik, Inline Monitoring of Bottle filling Process Using Image Processing International Journal on Engineering Science and Management, Vol. 2, No. 1, pp 33-38, July 2012

81. B. K. Roy and Santhosh Kv, A Smart Temperature Measuring Technique Using Thermistor, International Journal on Engineering Science and Management, Vol. 1, No. 2, pp 62-68, July 2011.

82. B. K. Roy, V. N. Bapat and D. C. Saha, Influence of Poisson filter constant on estimation of continuous-time models, IEE, Proceeding –D,Vol.-138, No. 6, pp. 586-592, 1991.

Dr. Saurabh Chaudhury (26)

1. Debashish Dash, Chandan Kumar Pandey, Saurabh Chaudhury and S.K. Tripathi [2017],Structural, Electronic, and Mechanical Properties of Cubic TiO2: A First- Principle Study. Chinese Physics B 27 (1), 017102, 2017

2. Abdul Kayom Md Khairuzzaman and Saurabh Chaudhury [2017], Moth-Flame Optimization Algorithm Based Multilevel Thresholding for Image Segmentation. International Journal of Applied Metaheuristic Computing (IJAMC) 8(4) , 2017.

3. Rohit Lorenzo and Saurabh Chaudhury [2017], A Novel 9T SRAM Architecture for Low Leakage and High Performance" in Analog Integrated Circuits & Signal Processing (ALOG),Springer (Accepted) 2017

4. Abdul Kayom Md Khairuzaman and Saurabh Chaudhury [2017], "Multilevel thresholding using grey wolf optimizer for image segmentation" (Accepted in) Expert Systems With Applications, April 2017

5. Jayesh Ruikar, Ashoke Sinha and Saurabh Chaudhury [2017], "Image Quality Assessment using Edge Correlation", International Journal of Electronics and Telecommunications, Vol. 63, No. 1 (2017)

6. Rohit Lorenzo and Saurabh Chaudhury (2016), Dynamic Threshold Sleep Transistor Technique for High Speed and Low Leakage in CMOS Circuits, Circuits, Systems and Signal Processing (CSSP) Springer. DOI 10.1007/s00034-016-0442-0.

7. Rohit Lorenzo and Saurabh Chaudhury (2016), "A Novel SRAM cell architecture with Body-bias Controller for low leakage, high speed and improved stability"Wireless Personal Communication, Springer, Septemeber 2016

8. Rohit Lorenzo and Saurabh Chaudhury (2016),LCNT-An Approach to Minimize Leakage Power in CMOS Integrated Circuits", Accepted in Microsystem Technologies,Springer, May 2016

9. Robert Singh and Saurabh Chaudhury (2016). An Efficient Technique for Rice Grain Classification Using Back Propagation Neural Network and Wavelet Decomposition (Accepted) available online in IET Computer Vision, May 2016

10. Rohit Lorenzo and Saurabh Chaudhury (2016). A novel Body Bias Conroller circuit for low leakage, reduced delay and improved stability. Journal of Circuit Systems and Computers,World Scientific Volume No.25, Issue No. 08..

11. Rohit Lorenzo and Saurabh Chaudhury (2016). Review of Circuit level Leakage Minimization Techniques for VLSI Circuits and Systems. (Accepted) in IETE Technical Review (Taylor and Francis)

12. Rohit Lorenzo and Saurabh Chaudhury (2016), "A NOVEL LOW LEAKAGE BODY BIASING TECHNIQUE FOR CMOS CIRCUITS", Canadian Journal of Pure and Applied Sciences Vol. 10 , No. 1 , pp. 3827 - 3834 , February 2016

13. Sanjeet Kumar Sinha, Saurabh Chaudhury (2015). Effect of Device Parameters on Carbon Nanotube Field Effect Transistor in Nanometer Regime, Journal of Nano Research,Vol. 36, p.64

14. Rohit Lorenzo and Saurabh Chaudhury (2015). Body Biasing Scheme to Control Leakage, Speed and Stability in SRAM Cell Design. IJCA Proceedings on International Conference on Computing, Communication and Sensor Network CCSN 2014(1):11-15, June 2015.

15. Sinha, Sanjeet Kumar, and Saurabh Chaudhury (2015). "Analysis of different parameters of channel material and temperature on threshold voltage of CNTFET." Materials Science in Semiconductor Processing, Vol.31, pp. 431-438, Elsevier.

16. S.K. Sinha, and S. Chaudhury (2014). Analytical approach to reduce leakage power in CNTFET over MOSFET device. Journal of Semiconductors, Vol.35, issue 11.

17. S.K. Sinha, and S. Chaudhury (2014). Comparative Analysis of Leakage Power With 10 Nm Channel Length In MOSFET/CNTFET Devices. Journal of Electron Devices, Vol. 20, 2014, pp. 1718-1723.

18. S.K. Sinha, and S. Chaudhury (2013). Impact of Oxide Thickness on Gate Capacitance-A Comprehensive Analysis on MOSFET, Nanowire FET and CNTFET Devices. IEEE Transaction on Nanotechnology. Vol. 12, Issue 6, pp958-964.

19. S. Chaudhury, and A. K. Ray (2013). Histogram Equalization-A Simple but Efficient Technique for Image Enhancement. International Journal on Image, Graphics and Signal Processing. Vol. 5, Issue 10, MECS Press.

20. S.K. Sinha, and S. Chaudhury (2013). Impact of Body Coefficient and Threshold Voltage on CNTFET with Varying Oxide Thickness. International Journal of Recent Development in Engineering and Technology (IJRDET). Vol. 1, Issue 1, pp 31-35.

21. Sanjeet Kumar Sinha, Saurabh Chaudhury, "CNTFET based Logic Circuits: A Brief Review," International Journal of Emerging Technology and Advance Engineering, Volume 2, Issue 4, pp-500-504, April 2012.

22. Saurabh Chaudhury and Anirban Dutta, "Algorithmic Optimization of BDDs and Performance Evaluation for Multi-level Logic Circuits with Area and Power Trade-offs", Circuits and Systems, Scientific Research Publication, Vol.2 No.3, 217-224, 2011.

23. Saurabh Chaudhury, J. Srinivas Rao, Santanu Chattopadhyay, "State Assignment and Polarity Selection for Low Dynamic Power and Testable FSM Synthesis", J. Low Power Electronics, ASP, Vol. No.3 Nov. 2009.

24. Saurabh Chaudhury, Santanu Chattopadhyay, "Low Leakage FSM Synthesis with Area and Dynamic Power trade-offs", Integration the VLSI Journal, Elsevier Volume 42 , Issue 3 pp376-384 June 2009.

25. Saurabh Chaudhury, Santanu Chattopadhyay, "Fixed Polarity Reed-Muller Network Synthesis and its Application in AND-OR/XOR based circuit realization with Area-Power Trade-offs", IETE Journal of Research Sept-Oct. 2008, Vol. 53.

26. Saurabh Chaudhury, Santanu Chattopadhyay, "Output Phase Assignment for area and power minimization in PLAs", J. Indian Inst. Sci. Jan-Feb 2006, 86, 33-43.

Dr. Nalin Behari Dev Choudhury (05)

1. Dev Choudhury, N. B., Chatterjee, A., and Goswami, S. K., "A Fuzzy Membership Filtering Aided Neural Network based Transmission Loss Allocation Scheme using Game Theory", Expert Systems With Applications (Elsevier), Volume 39, Issue 3, February, 2012, pages 3162-3168.

2. Dev Choudhury, N. B., De, M., and Goswami, S. K., "Transmission Loss Allocation in a Power Market using Artificial Neural Network", Electrical Engineering (Springer), Vol. 86, No. 5, DOI 10.1007/s00202-012-0243-9.

3. Dev Choudhury, N. B., and Goswami, S. K., "Transmission Loss Allocation using Combined Game Theory and Artificial Neural Network", International Journal of Electrical Power and Energy Systems, Elsevier, Vol. 3, Issue. 1. 2012.

4. Dev Choudhury, N. B., and Goswami, S. K., "Artificial Intelligence Solution to Transmission Loss Allocation Problem", Expert Systems with Applications (Elsevier), Volume 38, Issue 4, April 2011, Pages 3757-3764.

5. Dev Choudhury, N. B., and Goswami, S. K., "Transmission Loss Allocation Using Game Theory Based Artificial Neural Networks", In Proc. IEEE 6th Intl. Conf. ECTI-CON 2009, Thailand, vol-1, pp 186-189.

Dr. Dulal Chandra Das (12)

1. Sudhanshu Ranjan, D C Das, A. Latif and N Sinha, " LFC for Autonomous Hybrid Micro Grid System of 3 Unequal Renewable Areas using Mine Blast Algorithm," International Journal Of Renewable Energy Research, Vol. 8, No. 3, September, 2018

2. Sudhanshu Ranjan ; D. C. Das ; Soumyashree behera ; Nidul Sinha, "Parabolic Trough Solar-Thermal-Wind-Diesel Isolated Hybrid Power System: Active Power/Frequency Control Analysis", IET Renewable Power Generation, 2018, DOI: 10.1049/iet-rpg.2018.5129

3. Barik, Amar, and D. C. Das "Expeditious Frequency Control of Solar PV/Biogas/Biodiesel Generator based Isolated Renewable Microgrid using Grasshopper Optimisation Algorithm" IET Renewable Power Generation vol.12, pp. 1-9, 2018

4. Abdul Latif, D. C. Das "Plug in Hybrid Vehicle-Wind-Diesel Autonomous Hybrid Power System: Frequency Control using FA and CSA Optimized Controller", International Journal of System Assurance Engineering and Management (DOI: 10.1007/s13198-018-0721-1)

5. Abdul Latif, D. C. Das, S Ranjan, I Hussain, "Integrated Demand Side Management and Generation Control for Frequency Control of a Microgrid Using PSO and FA based Controller", International Journal of Renewable Energy Research-IJRE, 2018.

6. Israfil Hussain, Sudhanshu Ranjan, D.C Das and N. Sinha, "Frequency Control of an Isolated Hybrid Power System Using Particle Swarm Optimization Optimized PID Controller", Vol. 13, Special issue II, 2016, Pp. 72-76 (2016) 72.

7. I Hussain, S Ranjan, D. C. Das and N Sinha. "Performance Analysis of Flower Pollination Algorithm Optimized PID Controller for Wind-PV-SMES-BESS-Diesel Autonomous Hybrid Power System", International Journal of Renewable Energy Research-IJRE, Vol-7. No.2, 2017.

8. Israfil Hussain, Das D. C, Sinha N., Reactive Power Performance Analysis of Dish-Stirling Solar Thermal-Diesel Hybrid Energy System", IET Renewable Power Generation, 2017, DOI: 10.1049/iet-rpg.2016.0579.

9. Das D. C., Roy A. K., Sinha N. PSO Optimized Frequency Controller for Wind- Solar thermal-Diesel Hybrid Energy Generation System: A Study. International Journal of Wisdom Based Computing, 1 (3) (2011) 178-133.

10. Das D. C., Sinha, N., and Roy, A. K., "Automatic generation control of an organic Rankine cycle solar thermal- wind-diesel hybrid energy system" Energy Technology, DOI:10.1002/ente.201402024.

11. Das D. C., Sinha, N., and Roy, A. K., "Small Signal Stability Analysis of Dish-Stirling Solar Thermal Based Autonomous Hybrid Energy System" Int J Electr Power Energ Syst. 63 (2014) 485–49.

12. Das D. C., Roy A. K., Sinha N. GA based frequency controller for solar thermal–diesel–wind hybrid energy generation/energy storage system. Int J Electr Power Energ Syst 43 (2012), 262-279.

Dr. Lalit Chandra Saikia (37)

1. R. Rajbongshi, and L. C. Saikia, "Coordinated performance of interline power flow controller and superconducting magnetic energy storage in combined ALFC and AVR system under deregulated environment," Journal of Renewable and Sustainable Energy, vol. 10, no. 4, 044102, 2018.

2. W. Tasnin, L.C. Saikia and " Deregulated AGC of multi-area system incorporating dish-Stirling solar thermal and geothermal power plants using fractional order cascade controller ", in International Journal of Electrical Power & Energy Systems (Accepted for Publication).

3. M. Raju, L.C. Saikia and N. Sinha, "Maiden application of Two degree of freedom cascade controller for multi-area automatic generation control", International Transactions on Electrical Energy Systems, Wiley (Accepted for publication))

4. W. Tasnin and L.C. Saikia,"Comparative Performance of Different Energy Storage Devices in AGC of multi source system including Geothermal Power Plant", in Journal of Renewable and Sustainable Energy (Accepted for Publication)

5. Arindita Saha, L.C. Saikia, "Combined Application of Redox Flow Battery and DC Link in RestructuredAGC System in Presence of WTS and DSTS in Distributed Generation Unit", IET Generation, Transmission& Distribution, 2018, DOI: 10.1049/iet-gtd.2017.1203.

6. Arindita Saha, L.C. Saikia, "Performance analysis of combination of ultra-capacitor and superconducting magnetic energystorage in a thermal-gas AGC system with utilization of whale optimization algorithm optimizedcascade controller", Journal of Renewable and Sustainable Energy, vol. 10, 014103, (2018); https://doi.org/10.1063/1.5003958(Accepted for publication).

7. R. Rajbongshi and L. C. Saikia, "Performance of coordinated FACTS and energy storage devices in combined multi-area ALFC and AVR system," Journal of Renewable and Sustainable Energy 9,064101 (2017).

8. WashimaTasnin, L.C. Saikia, "Performance Comparison of Several Energy Storage Devices in Deregulated AGC of a multi area system incorporating Geothermal Power Plant", in IET Renewable Power Generationdoi: 10.1049/iet-rpg.2017.0582 (Accepted for publication).

9. R. Rajbongshi, L. C. Saikia, "Combined voltage and frequency control of a multi-area multisource system incorporating dish-Stirling solar thermal and HVDC link," in IET Renewable Power Generation, vol. 12, no. 3,pp.323-334,2018,doi:10.1049/iet-rpg.2017.0121.

10. Debdeep Saha; L.C. Saikia, "Automatic generation control of an interconnected CCGT-thermal system using stochastic fractal search optimized classical controllers", International Transactions on Electrical Energy Systems, Early view e2533, DOI:10.1002/etep.2533.

11. WashimaTasnin, L.C.Saikia,"Maiden application of an sine-cosine algorithm optimized FO cascade controller in automatic generation control of multi-area thermal system incorporating dish-Stirling solar and geo-thermal power plants",in IET Renewable Power Generation DOI:10.1049/iet-rpg.2017.0063 (Accepted for Publication)

12. Debdeep Saha; Lalit Chandra Saikia, "Automatic generation control of a multi-area CCGT-thermal power system using stochastic search optimised integral minus proportional derivative controller under restructured environment," IET Generation, Transmission & Distribution, Vol,11 (15), pp. 3801 – 3813, 2017.

13. Debdeep Saha, L. C. Saikia, "Impact of phase-locked loop on system dynamics of a CCGT incorporated diverse source system employed with AC/DC interconnection", Journal of Renewable and Sustainable Energy, 9 (045506), pp. 1 - 24, Aug,2017, doi: 10.1063/1.5000254.

14. Arindita Saha, Lalit Chandra Saikia, "Utilisation of ultra-capacitor in load frequency control under restructured STPP-thermal power systems using WOA optimised PIDN-FOPD controller", IET Generation, Transmission & Distribution, vol. 11, No.13, pp. 3318 – 3331, 2017.

15. M. Raju, L. C. Saikia and N. Sinha, "Load Frequency Control of Multi-area Hybrid Power System Using Symbiotic Organisms Search Optimized Two Degree of Freedom Controller," International Journal of Renewable Energy Research, (Accepted for publication).

16. Debdeep Saha and L. C. Saikia, "Performance of FACTS and energy storage devices in a multi area wind-hydro-thermalsystem employed with SFS optimized I-PDF controller" Journal of Renewable and Sustainable Energy, Volume 9, April 2017, pp.024103(1-19).

17. R. Rajbongshi, L.C.Saikia, "Combined control of voltage and frequency of multi-area multi-source system incorporating solar thermal power plant using lightning search algorithm optimized classical controllers, IET Generation, Transmission, Distribution, Vol.11, No.10, 13/07/2017, DOI:10.1049/iet-gtd.2016.1154.

18. Asadur Rahman, Lalit Chandra Saikia, Nidul Sinha, Automatic generation control of an interconnected two-area hybrid thermal system considering dish-stirling solar thermal and wind turbine system, Renewable Energy, Volume 105, May 2017, pp. 41-54.

19. Asadur Rahman, Lalit Chandra Saikia, Nidul Sinha, "AGC of dish-Stirling solar thermal integrated thermal system with biogeography based optimised three degree of freedom PID controller," IET Renewable Power Generation (Accepted for Publication).

20. Asadur Rahman, Lalit Chandra Saikia, Nidul Sinha, "Automatic Generation Control of an Unequal Four Area Thermal System Using Biogeography Based Optimized 3DOF-PID Controller," IET Generation, Transmission & Distributionvolume10(16), December 2016, pp.4118-4129.

21. Puja Dash, Lalit Chandra Saikia, Nidul Sinha, "Flower Pollination Algorithm Optimized Cascade Controllers in Automatic Generation Control of a Multi-area Power System," International Journal of Electrical Power & Energy Systems, Vol..., 2016, pp...... (Accepted for Publication).

22. Asadur Rahman, Lalit Chandra Saikia, Nidul Sinha, "Maiden Application of hybrid Pattern Search-Biogeography Based Optimization Technique in AGC of a Multi-area System incorporating IPFC," IET Generation, Transmission & Distribution (Accepted for Publication).

23. More Raju, Lalit Chandra Saikia , Nidul Sinha, "Automatic Generation Control of a Multi-area System Using Ant Lion Optimizer Algorithm based PID Plus Second Order Derivative controller," International Journal of Electrical Power & Energy Systems, Vol.80, September 2016, pp-52-63.

24. Asadur Rahman, Lalit Chandra Saikia, Nidul Sinha, "Load frequency control of a hydro-thermal system under deregulated environment using biogeography-based optimised three-degree-of-freedom integral-derivative controller", IET Generation, Transmission & Distribution, doi: 10.1049/iet-gtd.2015.0317, pp1-10.

25. Yatin Sharma, Lalit Chandra Saikia, " Automatic Generation Control of a Multi-area ST - Thermal Power system Using Grey Wolf Optimizer Algorithm Based Classical Controllers," International Journal of Electrical Power & Energy Systems, Vol.73, December 2015, Pages 853-862.

26. Puja Dash, Lalit Chandra Saikia, Nidul Sinha, " Automatic generation control of multi area thermal system using Bat algorithm optimized PD–PID cascade controller", International Journal of Electrical Power & Energy Systems, Vol 68, June 2015, pp 364-372.

27. Puja Dash, Lalit Chandra Saikia, Nidul Sinha, "Comparison of performances of several FACTS devices using Cuckoo search algorithm optimized 2DOF controllers in multi-area AGC", International Journal of Electrical Power & Energy Systems, Volume 65, Feb 2015, pp 316-324.

28. Sanjoy Debbarma, Lalit Chandra Saikia, Nidul Sinha, "Robust Two-Degree-of-Freedom Controller for Automatic Generation Control of Multi-Area System", International Journal of Electrical Power & Energy Systems, Volume 63, December 2014, pp 878-886.

29. Sanjoy Debbarma, Lalit Chandra Saikia, Nidul Sinha, "Automatic generation control using two degree of freedom fractional order PID controller", International Journal of Electrical Power & Energy Systems, Volume 58, June 2014, pp 120-129.

30. Sanjoy Debbarma, Lalit Chandra Saikia, Nidul Sinha, "Solution to Automatic Generation Control Problem using Firefly Algorithm Optimized IλDμ Controller", ISA Trasaction, Volume 53, Issue2, March 2014, pp 358-366.

31. Puja Dash, Lalit Chandra Saikia , Nidul Sinha, "Comparison of Performances of Several Cuckoo Search Algorithm Based 2DOF Controllers in AGC of Multi - area Thermal System", International Journal of Electrical Power & Energy Systems, Vol 55, February 2014, Pages 429–436.

32. L.C.Saikia, and S.S. Sahu, "Automatic generation control of a combined cycle gas turbine plant with classical controllers using Firefly Algorithm," International Journal of Electrical Power & Energy Systems, Vol.53, 2013, pp 27-33.

33. Sanjoy Debbarma, Lalit Chandra Saikia, Nidul Sinha, "AGC of a multi-area thermal system under deregulated environment using a non-integer controller", Electric Power System Research, Volume 95, Feb 2013, Pages 175-183.

34. Lalit Chandra Saikia, Nidul Sinha, J.Nanda "Maiden Application of Bacterial Foraging Based Fuzzy IDD Controller in AGC of a Multi-area Hydrothermal System", International Journal of Electrical Power & Energy Systems, Volume 45, Issue1, Feb 2013, pages 98-106.

35. Lalit Chandra Saikia, Sukumar Mishra, Nidul Sinha, J. Nanda, "Automatic generation control of a multi area hydrothermal system using reinforced learning neural network controller", International Journal of Electrical Power & Energy Systems, Volume 33, Issue 4, May 2011, Pages 1101-1108.

36. Lalit Chandra Saikia, J. Nanda, S. Mishra, "Performance comparison of several classical controllers in AGC for multi-area interconnected thermal system", International Journal of Electrical Power & Energy Systems, Volume 33, Issue 3, March 2011, Pages 394-401.

37. J. Nanda, S. Mishra, L.C. Saikia, "Maiden Application of Bacterial Foraging-Based Optimization Technique in Multiarea Automatic Generation Control", IEEE Transactions on Power Systems, Vol.24, No.2, May 2009. , Page(s): 602 – 609.

Dr. Jyoti Prakash Mishra (04)

1. Soumya Samanta, Jyoti Prakash Mishra, Binoy Krishna Roy, "Hierarchical Virtual Inertia Control of a Grid Connected Inverter Interfaced DC Micro Grid to Regulate the DC Bus Voltage", Journal of Advance Research in Dynamical and Control Systems, Vol. 10, 03-Special Issue, 2018 (ISSN 1943-023X)

2. Soumya Samanta, Jyoti Prakash Mishra, Binoy Krishna Roy, "Virtual DC machine: an inertia emulation and control technique for a bidirectional DC-DC converter in a DC microgrid", IET Electr. Power Appl., 2018, Vol. 12 Iss. 6, pp. 874-884

3. Soumya Samanta, Jyoti Prakash Mishra, Chayan Bhattacharjee and Binoy Krishna Roy, "Coordinated Control of an Isolated DC Microgrid with Dynamic Source Variation and Wide Load Fluctuation", International Journal of Control Theory and Applications (IJCTA), 9(39), pp. 259-268, International Science Press, 2016 (Indexed by Thomson Routers/Scopus)

4. S. Datta, J. P. Mishra and A. K. Roy, "Operation and control of a DFIG-based grid connected WECS using NSC during grid fault and with unbalanced non-linear load", International Journal of ambient Energy, July-2017, Page No.1-11, Taylor and Francis, Indexed by Thomson Routers/Scopus

Dr. Tanmoy Malakar (10)

1. Soumyabrata Das, Tanmoy Malakar: "Optimal capacitor placement and sizing in distribution system using Competitive Swarm Optimizer algorithm", Accepted for publication in Intl. Journal of Advance Intelligence Paradigm, Inderscience, 2018.

2. Abhishek Rajan, T. Malakar., "Optimum generation and VAr scheduling on a multi-objective frame work using exchange market algorithm", Accepted for publication in Intl. Journal of Advance Intelligence Paradigm, Inderscience.

3. Abhishek Rajan, K. Jeevan, T. Malakar, "Weighted elitism based Ant Lion Optimizer to solve optimum VAr planning problem", Applied Soft Computing, Vol. 55 (2017), pp. 352-370, (Elsevier)

4. Abhishek rajan, T. Malakar, "Optimum economic and emission dispatch using exchange market algorithm", Intl. Journal of Electrical Power and energy Systems, Vol. 82, 2016, pp. 545-560 (Elsevier)

5. T. Malakar, Abhishek Rajan, K. Jeevan, Pinaki Dhar, "A day ahead price sensitive reactive power dispatch with minimum control", Intl. Journal of Electrical Power and Energy Systems, Vol. 81. (2016), pp. 427-443 Elsevier.

6. Abhishek Rajan, T. Malakar,"Exchange market algorithm based optimum reactive power dispatch" Applied Soft Computing, 43 (2016) 320-336, Elsevier

7. Abhishek Rajan, T. Malakar, "Optimal reactive power dispatch using hybrid Nelder–Mead simplex based firefly algorithm", International Journal of Electrical Power and Energy Systems, Vol. 66, 2015, pp. 9-24, Elsevier.

8. T. Malakar, S. K. Goswami, A. K. Sinha, "Impact of load management on the energy management strategy of a wind short hydro hybrid system in frequency based pricing", Energy Conversion and Management, Vol. 79, March 2014, pp. 200-212, Elsevier.

9. T. Malakar, S. K. Goswami, A. K. Sinha, "Optimum scheduling of micro grid connected wind-pumped storage hydro plant in a frequency based pricing environment", International Journal of Electrical Power and Energy Systems, Vol. 54, 2014, pp. 341-351, Elsevier.

10. T. Malakar, S. K. Goswami, "Active and reactive dispatch with minimum control movements", International Journal of Electrical Power and Energy Systems, Vol. 44, 2013, pp. 78-87, Elsevier.

Dr. Arup Kumar Goswami (26)

1. Rituparna Mitra, Arup Kumar Goswami. Prashant Kumar Tiwari, "Optimal Selection of Voltage Sag Mitigating Devices for Micro Level Customer in Distribution System", accepted for publication in IET Renewable Power Generation, Impact Factor: 3.488, October 2018. (SCI Journal)

2. Chinmaya Behera, Galiveeti Hemakumar Reddy, Pranju Chakrapani, Arup Kumar Goswami, Chandra Prakash Gupta and Girish Kumar Singh, "Assessment of Equipment Trip Probability due to Voltage Sags based on Fuzzy Possibility Distribution Function " IEEE Access. (SCIE/Scopus), 2018

3. Subhasish Deb, Pratik Harsh, Jajna Prasad Sahoo and Arup Kumar Goswami, "Charging Coordination of Plug-in Electric Vehicle for Congestion Management in Distribution System", International Journal of Emerging Electric Power Systems , accepted for publication, July 2018 (ESCI Journal)

4. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, and Rajesh Panda, 'An Approach for System Risk Assessment and Mitigation by Optimal Operation of Wind Farm & FACTS Devices in Centralized Competitive Power Market' accepted for publication in IEEE Transactions on Sustainable Energy, Impact Factor: 4.909, July 2018. (SCI Journal)

5. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, "An efficient approach for establishing the economic and operating reliability via optimal coordination of wind-PSH-solar-storage hybrid plant in highly uncertain double auction competitive power market", IET Renewable Power Generation, March 2018. (SCI Journal)

6. G. H. Reddy., P. Chakrapani., Arup. Kumar. Goswami and Nalin B Dev Choudhury., "Fuzzy based Approach for Restoration of Distribution System during post Natural Disasters." IEEE Access. (SCIE/Scopus, In Press), 2018

7. G. H. Reddy., Arup. Kumar. Goswami and Nalin B Dev Choudhury., "Estimation of Distribution System Reserve Capacity and Its Impact on System Reliability considering load growth." International Journal on Electrical Engineering and Informatics. (Scopus, In Press), 2018

8. Gope, Sadhan; Goswami, Arup Kumar; Tiwari, Prashant Kumar, Transmission Congestion Management using a Wind Integrated Compressed Air Energy Storage System, Engineering Technology & Applied Science Research, Volume: 7 Issue: 4 Pages: 1746-1752, AUG 2017. ISSN: 1792-8036

9. Subba Reddy B and Arup Kumar Goswami, "Voltage Sag due to Pollution Induced Flashover across Ceramic Insulator Strings", International Journal of Emerging Electric Power Systems (Accepted for Publication), 2017.

10. Galiveeti Hemakumar Reddy, Pranju Chakrapani, Arup Kumar Goswami and Nalin B Dev Choudhury , "Optimal Distributed Generation Placement in Distribution System to Improve Reliability and Critical Loads Pick up after Natural Disasters", International Journal of Engineering Science and Technology, (Article in Press), Elsevier publication, 2017.

11. Galiveeti Hemakumar Reddy, Arup Kumar Goswami and Nalin B Dev Choudhury, "A Hybrid Method for Distribution Substation Reliability Evaluation", International Review of Electrical Engineering (I.R.E.E.), (Article in Press), Scopus publication, 2017.

12. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, "An approach for efficient assessment of the performance of double auction competitive power market under variable imbalance cost due to high uncertain wind penetration", accepted for publication in Renewable Energy (Elsevier), Impact Factor: 4.068, ISSN: 0960-1481, February 2017. SCI Journal.

13. Santosh Kumar Singh, Nilotpal Sinha , Arup Kumar Goswami and Nidul Sinha, "Gravity Search Algorithm Hybridized Recursive Least Square Method for Power System Harmonic Estimation", International Journal of Engineering Science and Technology, Article in Press, Elsevier publication, 2017.

14. Rituparna Mitra, Arup Kumar Goswami and Prashant Kumar Tiwari, , " Voltage Sag Assessment using Type-2 Fuzzy system considering uncertainties in Distribution system " IET Generation, Transmission & Distribution (Article in Press) , DOI: 10.1049/iet-gtd.2016.0816, 2017.

15. Subhojit Dawn, Prashant Tiwari, Arup Kumar Goswami, "A Joint Scheduling Optimization Strategy for Wind and Pumped Storage Systems Considering Imbalance Cost & Grid Frequency in Real-Time Competitive Power Market" International Journal of Renewable Energy Research (IJRER), ESCI Journal, 2016 (Article in Press).

16. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kr. Goswami, Manas Kr. Mishra, "Recent developments of solar energy in India: Perspectives, strategies and future goals", published in Renewable & Sustainable Energy Reviews (Elsevier), vol. 62, pp. 215-235, April 2016. Impact Factor: 7.5(Last Five Years) , ISSN: 1364-0321.

17. Sadhan Gope, Arup Kumar Goswami, Prashant Tiwari and Subhasish Deb, " Rescheduling of Real Power for Congestion Management with Integration of Pumped Storage Hydro Unit using Firefly Algorithm" International Journal of Electrical Power and Energy Systems, Vol 83, pp 434-442, 2016, SCI Journal

18. Santosh Kumar Singh, Arup Kumar Goswami and Nidul Sinha, "Power System Harmonic Estimation Using Biogeography Hybridized Recursive Least Square Algorithm", International Journal of Electrical Power and Energy Systems, Vol 83, pp 219-228, 2016, SCI Journal

19. Santosh Kumar Singh, Nilotpal Sinha, Arup Kumar Goswami and Nidul Sinha, " Robust Estimation of Power System Harmonics Using a Hybrid Firefly Based Recursive Least Square Algorithm", International Journal of Electrical Power and Energy Systems, Vol 80, pp 287-96, 2016, SCI Journal.

20. Santosh Kumar Singh, Nilotpal Sinha, Arup Kumar Goswami and Nidul Sinha, " Several Variants of Kalman Filter Algorithm for Power System Harmonic Estimation", International Journal of Electrical Power and Energy Systems, Vol 78, pp 793-800, 2016, SCI Journal.

21. Santosh Kumar Singh, Nilotpal Sinha, Arup Kumar Goswami and Nidul Sinha," Optimal estimation of power system harmonics using a hybrid Firefly algorithm-based least square method" Soft Computing, Springer, September 2015, SCI Journal.

22. Arup Kumar Goswami, Chandra Prakash Gupta and Girish Kumar Singh, "Voltage sag mitigation strategies for an Indian Power Systems: A Case Study", Journal of the Institution of Engineers (India): Series B, Vol 96, Issue 2, pp 165-78, April-June 2015, Springer.

23. Santosh Kumar Singh, Arup Kumar Goswami and Nidul Sinha, Power System Harmonic Parameter Estimation Using Bilinear Recursive Least Square (BRLS) Algorithm , International Journal of Electrical Power and Energy Systems , Vol 67, pp 1-10, 2015, SCI Journal.

24. Subhasish Deb, Sadhan Gope and Arup KrumarGoswami, "Congestion Management Considering Wind Energy Sources using Evolutionary Algorithm" International Journal of Electrical Power Components and Systems, Vol 43, Issue 7, pp 723-32, 2015, SCI Journal.

25. Debasish Patel , Arup Kumar Goswami and Santosh Kumar Singh, "Voltage Sag Mitigation in an Indian Distribution Systems using Dynamic Voltage Restorer " International Journal of Electrical Power and Energy Systems, Vol 71, pp 231-241, 2015, SCI Journal.

26. Santosh Kumar Singh, Nilotpal Sinha, Arup Kumar Goswami and Nidul Sinha , Variable Constraint Based Least Mean Square Algorithm for Power System Harmonic Parameter Estimation, International Journal of Electrical Power and Energy Systems, Vol 73 , pp 218-228, 2015, SCI Journal.

Dr. Chayan Bhattacharjee (03)

1. C. Bhattacharjee, B. K. Roy, "Supervisory control using fuzzy logic for fault ride-through capability of a hybrid system in grid supporting mode, International Journal of Power and Energy Conversion. (In Press)

2. C. Bhattacharjee, B. K. Roy, "Fuzzy-supervisory control of a hybrid system to improve contractual grid support with fuzzy proportional–derivative and integral control for power quality improvement, IET Generation Transmission and Distribution, DOI:10.1049/iet-gtd/2017.0708

3. C.Bhattacharjee, B.K.Roy, "Advanced Fuzzy Power Extraction Control of Wind Energy Conversion Systemfor Power Qualty Improvement in a Grid-Tied Hybrid Generation System", IET-Generation Transmission and Distribution, vol. 10, No. 5, pp. 1179-1189,2016

Dr. Prashant Kumar Tiwari (23)

1. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, Ankit Kumar Singh, Rajesh Panda, "Wind Power: Existing Status, Achievements and Government's Initiative towards Renewable Power Dominating India", accepted for publication in Energy Strategy Reviews, Impact factor: 2.164, January 2019. (SCIE-SCOPUS Journal).

2. Furquan Nadeem, S.M. Suhail Hussain, Prashant Kumar Tiwari, Arup Kumar Goswami, Taha Selim Ustun, "Comparative Review of Energy Storage Systems, Their Roles and Impacts on Future Power Systems," accepted for publication in IEEE ACCESS, Impact factor: 3.557, December 2018. (SCIE-SCOPUS Journal).

3. Rajesh Panda, Prashant Kumar Tiwari, "Economic Risk based Bidding Strategy for Profit Maximization of Wind Integrated Day-Ahead and Real-Time Double Auctioned Competitive Power Markets," accepted for publication in IET Generation, Transmission & Distribution, Impact Factor: 2.618, October 2018. (SCI Journal)

4. Rituparna Mitra, Arup Kumar Goswami. Prashant Kumar Tiwari, "Optimal Selection of Voltage Sag Mitigating Devices for Micro Level Customer in Distribution System", accepted for publication in IET Renewable Power Generation, Impact Factor: 3.488, October 2018. (SCI Journal)

5. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, and Rajesh Panda, 'An Approach for System Risk Assessment and Mitigation by Optimal Operation of Wind Farm & FACTS Devices in Centralized Competitive Power Market' accepted for publication in IEEE Transactions on Sustainable Energy, Impact Factor: 6.235, July 2018. (SCI Journal)

6. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, "An efficient approach for establishing the economic and operating reliability via optimal coordination of wind-PSH-solar-storage hybrid plant in highly uncertain double auction competitive power market", accepted for publication in IET Renewable Power Generation, DOI: 10.1049/iet-rpg.2016.0897, Impact Factor: 2.635, March 2018. (SCI Journal)

7. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kumar Goswami, "An approach for efficient assessment of the performance of double auction competitive power market under variable imbalance cost due to high uncertain wind penetration", published in Renewable Energy (Elsevier), vol. 108, pp. 230-243, Impact Factor: 4.068, ISSN: 0960-1481, February 2017. (SCI Journal)

8. Rituparna Mitra, Arup Kumar Goswami and Prashant Kumar Tiwari, " Voltage Sag Assessment using Type-2 Fuzzy system considering uncertainties in Distribution system ", published in IET Generation, Transmission & Distribution, vol. 11, issue 6, pp. 1409-1419, Impact Factor: 2.011, ISSN: 1751-8695, January 2017. (SCI Journal)

9. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kr. Goswami, Manas Kr. Mishra, "Recent developments of solar energy in India: Perspectives, strategies and future goals", published in Renewable & Sustainable Energy Reviews (Elsevier), vol. 62, pp. 215-235, April 2016. Impact Factor: 7.445 (Last Five Years). (SCI Journal)

10. Subhojit Dawn, Prashant Kumar Tiwari, "Improvement of economic profit by optimal allocation of TCSC and UPFC with wind power generators in double auction competitive power market", published in International Journal of Electrical Power and Energy Systems (Elsevier), vol. 80, pp. 190-201, January 2016. Impact Factor: 3.432, (SCI Journal)

11. Sadhan Gope, Arup Kumar Goswami, Prashant Kumar Tiwari, Subhasish Deb, "Rescheduling of real power for congestion management with integration of pumped storage hydro unit using firefly algorithm", published in International Journal of Electrical Power and Energy Systems (Elsevier), vol. 83, pp. 434-442, April 2016, Impact Factor: 3.432. (SCI Journal)

12. Subhojit Dawn, Prashant Kumar Tiwari, Arup Kr. Goswami, "A Joint Scheduling Optimization Strategy for Wind and Pumped Storage Systems Considering Imbalance Cost & Grid Frequency in Real-Time Competitive Power Market", accepted for publication in "International Journal of Renewable Energy Research", June 2016. Impact Factor: 0.898. (ESCI Journal)

13. Sadhan Gope, Arup Kumar Goswami, Prashant Kumar Tiwari, "Generator Rescheduling under Congested Power System with Wind Integrated Competitive Power Market", published in International Journal of Sensors & Transducers, vol. 209, issue 2, pp. 50-55, February 2017, ISSN: 2306-8515. (Scopus Indexed)

14. Sadhan Gope, Arup Kumar Goswami, Prashant Kumar Tiwari, "Transmission Congestion Management using a Wind Integrated Compressed Air Energy Storage System", published in Engineering, Technology & Applied Science Research, vol. 7, no. 4, pp. 1746-1752, July 2017, ISSN: 1792-8036. (ESCI Journal)

15. Arun Abhindranath, Prashant Kumar Tiwari, "Social Welfare Calculation and Comparison for Different Operating Strategy of Wind-pumped Storage Hybrid Plant in Competitive Power Market", published in Procedia Technology (Elsevier), Vol. 21, pp. 68-75, January 2016.

16. Prashant Kumar Tiwari, Yog Raj Sood, "An Efficient Approach for Optimal Allocation and Parameters Determination of TCSC with Investment Cost Recovery under Competitive Power Market", IEEE Transactions on Power Systems, vol. 28, no. 3, pp. 2475-2484, August 2013. (SCI Journal)

17. P.K. Tiwari, Y.R. Sood, "Efficient and Optimal Approach for Location and Parameter Setting of Multiple Unified Power Flow Controllers for a Deregulated Power Sector", IET Generation, Transmission & Distribution, vol. 6, issue 10, pp. 958-967, October 2012. (SCI Journal)

18. N.K. Sharma, P.K. Tiwari, Y.R. Sood, "A comprehensive analysis strategies, policies and development of hydropower in India: Special emphasis on small hydropower", Renewable & Sustainable Energy Reviews (Elsevier), vol. 18, pp. 460-470, February 2013. (SCI Journal)

19. N.K. Sharma, P.K. Tiwari, Y.R. Sood, "Solar energy in India: Strategies, policies, perspectives and future potential", Renewable & Sustainable Energy Reviews (Elsevier), vol. 16, issue 1, pp. 933-941, January 2012. (SCI Journal)

20. Prashant Kumar Tiwari, Yog Raj Sood, "Optimal Location of FACTS Devices in Power System by Artificial Intelligence based Optimization Techniques: A Review", International Journal of Innovations in Electrical Power Systems (IJIEPS), vol. 2, no. 2, pp. 171-181, July-December 2010.

21. Prashant Kumar Tiwari, Yog Raj Sood, "An Efficient Approach for Optimal Placement of TCSC in Double Auction Power Market", International Journal of Electronics and Electrical Engineering (IJEEE) (A Journal of World Academy of Science, Engineering and Technology (WASET)), vol. 6, pp. 321-326, June 2012.

22. N.K. Sharma, P.K. Tiwari, Y.R. Sood, "Review of Artificial Intelligence Techniques Application to Dissolved Gas Analysis on Power Transformer", International Journal of Computer and Electrical Engineering (IJCEE), vol. 3, no. 4, pp. 577-582, August 2011.

23. N.K. Sharma, P.K. Tiwari, Y.R. Sood, "Perspectives of Renewable Energy Sources in the Future Indian Competitive Electricity Markets", International Journal of "Trends in Electrical Engineering" (STM Journals), vol. 2, issue 3, December 2012.

Dr. Prasanta Roy (06)

1. P. Roy and B. K. Roy, "Fractional Order PI Control Applied to Level Control in Coupled Two Tank MIMO System with Experimental Validation", Control Engineering Practice, vol 48, pp. 119-135, 2016. (SCI Journal) url: http://www.sciencedirect.com/science/article/pii/S0967066116300028.

2. P. Roy and B. K. Roy, "Dual mode adaptive fractional order PI controller with feedforward controller based on variable parameter model for quadruple tank process", ISA Transactions, vol. 68, pp. 365-376, 2016. (SCI Journal) url: http://www.sciencedirect.com/science/article/pii/S0019057816300337

3. P. Roy, A. Das and B. K. Roy, "Cascaded fractional order sliding mode control for trajectory control of a ball and plate system", Transactions of the Institute of Measurement and Control,

(SCI Journal), DOI:10.1177/0142331216663826, url: http://tim.sagepub.com/content/early/2016/09/15/0142331216663826.full

4. P. Roy, B. Kar, and B. K. Roy, "Fractional order PI-PD control of liquid levelin coupled two tank system and its experimental validation,"Asian Journal of Control, vol. 19, no. 5, pp. 1–11, 2017. (SCI Journal) url: http://onlinelibrary.wiley.com/doi/10.1002/asjc.1487/full

5. A. Das and P. Roy, "Improved Performance of Cascaded Fractional-Order SMC over Cascaded SMC for Position Control of a Ball and Plate System", IETE Journal of Research, (SCI Journal), DOI:10.1080/03772063.2016.1258336, url: http://www.tandfonline.com/doi/full/10.1080/03772063.2016.1258336

6. M. Borah, P. Roy, B. K. Roy, "Enhanced Performance in Trajectory Tracking of a Ball and Plate System using Fractional Order Controller", IETE Journal of Research, (SCI Journal) DOI: https://doi.org/10.1080/03772063.2017.1343157, URL: http://www.tandfonline.com/doi/abs/10.1080/03772063.2017.1343157

Dr. Rajeeb Dey (13)

1. A.Nath, R. Dey,Carlos Aguilar-Avelar, Observer based nonlinear control design for glucose regulation intype 1 diabetic patients: An LMI approach, Biomedical Signal Processing and Control, 47 (2019) 7–15

2. A. Nath, D. Deb, R. Dey, S. Das, Blood glucose regulation in type 1 diabetic patients: an adaptive parametric compensation control-based approach, IET System Biology, doi: 10.1049/iet-syb.2017.0093, accepted March 2018.

3. R. Dutta,R.Dey, Baby Bhattacharjee, Further Improved Stability Condition for T-S Fuzzy Time-Varying Delay Systems via Generalized Inequality, Int J of Advanced Intelligence Paradigm, Accepted for Publication (2018)

4. Rajeeb Dey, Juan Carlos Martinez Garcia, Improved Delay-Range-Dependent Stability Analysis for Uncertain Retarded Systems Based on Affine Wirtinger-Inequality, Int. J. of Robust and Nonlinear Control, Accepted for publication, 2016 (Wiley).

5. Barnali Dey, A. Hossain, A. Bhattacharjee, Rajeeb Dey & R. Bera, 2016. "Function approximation based energy detection in cognitive radio using radial basis function network", Intelligent Automation and Soft Computing, http://dx.doi.org/10.1080/10798587.2016.1217632. (Taylor & Francis)

6. Pal, P., Dey, R., Biswas, R.K., and Bhakta, S., 2015 "Optimal PID Controller Design for Speed Control of a Separately Excited DC Motor: A Firefly Based Optimization Approach," International Journal of Soft Computing, Mathematics and Control, 4(4), pp. 39 – 48.

7. Rajeeb Dey, S. Ghosh, G. Ray, A. Rakshit, V.E. Balas, Improved Delay range dependent stability analysis of time delay system with norm bounded uncertainty, ISA Transaction, http://dx.doi.org/10.1016/j.isatra.2015.06.0122015 (Available online in this link) - Elsevier

8. Kumar Vikram Singh, Rajeeb Dey, Biswanath Datta, Partial Eigen Value Assignment and its Stability in Time-Delayed System, Mechanical System and Signal Processing, Vol. 42(1), 247-257, 2013 - Elsevier.

9. Tamal Roy, Ranjit Barai, Rajeeb Dey, Identification of differentially wheeled mobile robot using Neural Network, IJEEC (Int Journal of Electrical, Electronics & Computer Engineering), Vol. 2(2), 38-45, 2013.

10. Rajeeb Dey, Sandip Ghosh, G. Ray and A. Rakshit, H-Infinity Load-frequency control of interconnected power system with communication delay, International Journal of Electrical Power and Energy Systems, Vol. 42, issue 1, pp 672-684,2012 - Elsevier.

11. Rajeeb Dey, Sandip Ghosh, G. Ray and A. Rakshit, Improved delay-dependent stabilization of time-delay system with actuator saturation, Int. J Robust & Nonlinear Control, Vol. 24 (5), 902-917, 2014. DOI: 10.1002/rnc.2925, 2012- John Wiley and Sons.

12. Rajeeb Dey, Sandip Ghosh, G. Ray and Anjan Rakshit, State Feedback Stabilization of Uncertain Linear Time-Delay Systems: A Nonlinear Matrix Inequality Approach, Numerical Linear Algebra with Applications, vol. 18, 35-361, 2011 -John Wiley and Sons.

13. Rajeeb Dey, G. Ray, Sandip Ghosh and A. Rakshit, Stability analysis for continuous system with additive time-varying delays: A less conservative results, Applied Mathematics and Computation, Vol. 215(10), 2010, 3740-3745 - Elsevier.

Dr. Nirmala Soren (10)

1. Paul Thomus, Nirmala Soren,The Efficacy of an Anaerobic Digester based Biogas Production from various Feedstock , Energy Sources, Part A: Recovery, Utilization and Environmental Effects (Tylor & Francis) 2017

2. Paul Thomus, Nirmala Soren, N. P. Rumjit, J. G. James, M.P. Saravankumar,Biomass resources and potential of anaerobic digestion in Indian scenario,Renewable and Sustainable Energy Reviews(Elsevier) ,77(2017) 718-730

3. Paul Thomus, Tapas Debnath, Nirmala Soren,Forcasting and analysis of biogas-based power production using extremal neural network,Energy Sources, Part B: Economics, Planning, and Policy,(Tylor & Francis), 2017,1-10

4. Paul Thomus, Nirmala Soren, N. P. Rumjit, J. G. James,The Efficacy of an anaerobic digester-based power Production from various Feedstocks , Energy Sources, Part A: Recovery, Utilization and Environmental Effects(Tylor &Francis), 2016,vo38, No. 22, 3315-3323.

5. N. Soren et al. "An Overview- Protection of Transmission Line Using Artificial Intelligence Technique" International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 1, January -2013, ISSN: 2278-0181, Pp. 1-9

6. N. Soren et al. "Issues and challenges in Distributed Power Generation System", Global Journal of Engineering and Applied Science (GJEAS), Rising Research Journal Publications Vol. 1, No. 4.

7. N. Soren et al. "Issues and challenges in Captive Power Plants under Deregulated Environment" Global Journal Engineering and Applied Science (GJEAS), Rising Research Journal Publications, Pp. 20-26, Vol. 1, No: 3, 2011

8. N. Soren et al. "Steady State Analysis of Interline Power Flow Controller" International Journal of Power System Operation and Energy Management Pp 12-19, Vol.1, Issue-2, 2011

9. N. Soren et al. "Enhancing Power Quality and Reliability in Deregulated Environment" International Journal of Electrical Engineering and Technology (IJEET), International Association for Engineering and Management Education (IAEME), Vol. 2. Issue 2 (May-July 2011)

10. N. Soren et al. "Economic Environmental Dispatch (EED) by Modified Differential Evolution Technique" International Journal of Computer Applications (IJCA)

Dr. Raj Kumar Biswas (05)

1. Chiranjeevi, T., and Biswas, R.K., 2017, "Discrete-Time Fractional Optimal Control," Mathematics, 5(2), pp. 01–12.

2. Pal, P., Dey, R., Biswas, R.K., and Bhakta, S., 2015 "Optimal PID Controller Design for Speed Control of a Separately Excited DC Motor: A Firefly Based Optimization Approach," International Journal of Soft Computing, Mathematics and Control, 4(4), pp. 39 – 48.

3. Biswas, R.K., and Sen, S., 2014, "Free Final Time Fractional Optimal Control Problems," Journal of the Franklin Institute, 351, pp. 941–951.

4. Biswas, R.K., and Sen, S., 2011, "Fractional Optimal Control Problems with Specified Final Time," Journal of Computational and Nonlinear Dynamics (ASME Transactions) 6(2), p. 021009.

5. Biswas, R.K., and Sen, S., 2010, "Fractional Optimal Control Problems: A Pseudo-State-Space Approach," Journal of Vibration and Control, 17, pp. 1034–1041.

Dr. Amritesh Kumar (04)

1. A. Kumar and V. Verma, "Performance Enhancement of Single Phase Grid Connected PV System under Partial Shading using Cascaded Multilevel Converter," in IEEE Transactions on Industry Applications, vol. PP, no. 99, pp. 1-1, Jan 2018. Impact factor : 2.937.

2. A. Kumar and V. Verma, "Analysis and control of improved power quality single-phase split voltage cascaded converter feeding three-phase OEIM drive," in IET Power Electronics, vol. 10, no. 8, pp. 903-910, July 2017. Impact factor : 3.547

3. V. Verma and A. Kumar, "Cascaded Multilevel Active Rectifier Fed Three-Phase Smart Pump Load on Single-Phase Rural Feeder," in IEEE Transactions on Power Electronics, vol. 32, no. 7, pp. 5398-5410, July 2017. Impact factor : 7.151.

4. A. Kumar and V.Verma, "Photovoltaic-grid hybrid power fed pump drive operation for curbing the intermittency in PV power generation with grid side limited power conditioning," in International Journal of Electrical Power & Energy Systems (Elsevier) Volume 82, Pages 409-419, November 2016. Impact factor : 3.289.

Dr. Tapan Pradhan (02)

1. T. Pradhan, B. Kabi, R. Mohanty and A. Routray, "Development of Numerical Linear Algebra Algorithms in Dynamic Fixed-Point Format: A Case Study of Lanczos Tridiagonalization," International Journal of Circuit Theory and Applications, Wiley, Issue 6, Vol 44, pp. 1222-1262, 2015. (SCI)

2. T. Pradhan, B. Kabi, A. Routray and G. Anirudh, "Fixed-Point Hestenes SVD Algorithm for Computing Eigen Faces," International Journal of Circuits, Systems and Signal Processing, North Atlantic University Union (NAUN), Issue 6, Vol 7, pp. 312-321 (2013). (SCOPUS)

Dr. D. Koteswara Raju (13)

1. D. Koteswara Raju, Arvind R. Singh, Mohan. P Thakre, K Raghavendra Reddy and Raj Naidoo, "Adaptive Digital Distance Relay for SSSC Based Double- Circuit Transmission Line Using Phasor Measurement Unit", International Transactions on Electrical Energy Systems (Wiley-Blackwell). (Accepted on 07th November, 2018)

2. D. Koteswara Raju, Arvind R. Singh, Mohan. P Thakre, Bhimrao S Umre, et. al "Affect of SSSC based SSR Controller on the Performance of Distance Relay and Adaptive Approach using Synchronized Measurement", International Transactions on Electrical Energy Systems (Wiley-Blackwell), 2018.

3. D. Koteswara Raju, B. Y. Bagde, Bhimrao S Umre, "An Efficient Transient Stability Constrained Optimal Power Flow Using Biogeography Based Algorithm", International Transactions on Electrical Energy Systems. Vol. 28, 2017, pp. 1-15.

4. D. Koteswara Raju, Bhimrao S Umre, Anjali S Junghare and B Chitti Babu, "Mitigation of Subsynchronous Resonance with Fractional-order PI based UPFC controller", Mechanical Systems and Signal Processing (Elsevier), Vol. 85, pp. 698-715, September 2016.

5. D. Koteswara Raju, Bhimrao S Umre, et. al., "Fractional-order PI based STATCOM and UPFC Controller to Diminish Subsynchronous Resonance", SpringerPlus, Vol. 5:1599, September 2016

6. D. Koteswar Raju, Bhimrao S Umre, Anjali S Junghare, B Chitti Babu, "Improved Control Strategy for Subsynchronous Resonance Mitigation with Fractional-order PI Controller", International Journal of Emerging Electric Power Systems. Vol. 17, 2016, pp. 683-692.

7. D. Koteswara Raju, P Rajesh Kumar, Rajib Kumar Kar, "Performance Metrics of Grid Connected Solar PV Power Plant - A Practical Case Study", Journal of Green Engineering, Vol. 7, pp. 99–128, July 2017.

8. D. Koteswara Raju, Bhimrao S Umre, et. al., "Mitigation of Subsynchronous Oscillations with Common Controller Based Statcom and SSSC", Journal of Electrical Engineering and Electronics Technology, (Sci Technol), Vol. 5, No.1, March 13, 2016

9. D. Koteswara Raju, Bhimrao S Umre, et. al., "Study and Mitigation of Subsynchronous Oscillations with SSC Based SSSC", Journal of Power and Energy Engineering, (Scientific Research Publishing), Vol.3 No.9, September 29, 2015.

10. D. Koteswara Raju, Bhimrao S Umre, et. al., "Stability Analysis of SMIB System Incorporating the Genetic Algorithm based TCSC Controller", The International Daily journal, (Discovery), Vol. 43, No.199, October 14, 2015, pp. 144-150.

11. D. Koteswara Raju, B Shanthi Haveela, P Sangameswara Raju, "A Fuel Cell Based Multilevel Dc-Dc Boost Converter System with Pi and Fuzzy Control", IJSR - International Journal of Scientific Research, Vol-2, No 9, Sep.2013, pp.152-156

12. D. Koteswara Raju, B Pardha Saradhi, Y Praveen, "Fuel Cell Fed Single-Stage Boost Inverter with Coupled Inductor", IJSR - International Journal of Scientific Research, Vol-2, No 10, Oct.2013, pp.1-5.

13. D. Koteswara Raju, Gowse Basheed Shaik, Y Praveen, "Improvement of Power Quality in Wind Generation Using D-Statcom at Fault Condition", International Journal of Advances in Science and Technology, Vol-5, No 3, Sep.2012, pp.35-41.

Dr. Partha Kayal (06)

1. 1. P. Kayal, S. Chanda, and C. K. Chanda, "An analytical approach for allocation and sizing of distributed generation in radial distribution network", International Transactions on Electrical Energy Systems, Wiley, vol. 27, no. 7, pp. 1-9, 2017.

2. 2. P. Kayal, and C. K. Chanda, "Strategic approach for reinforcement of intermittent renewable energy sources and capacitor bank for sustainable electric power distribution system", International Journal of Electrical Power & Energy Systems, Elsevier, vol. 83, pp. 335-351, 2016.

3. 3. P. Kayal, and C. K. Chanda, "A multi-objective approach to integrate solar and wind energy sources with electrical distribution network", Solar Energy, Elsevier, vol. 112, pp. 397-410, 2015.

4. 4. P. Kayal, and C. K. Chanda, "Optimal mix of solar and wind distributed generations considering performance improvement of electrical distribution network", Renewable Energy, Elsevier, vol. 75, pp. 173-186, 2015.

5. 5. P. Kayal, and C. K. Chanda, "Placement of wind and solar based DGs in distribution system for power loss minimization and voltage stability improvement", International Journal of Electrical Power and Energy Systems, Elsevier, vol. 53, pp. 795-809, 2013.

6. 6. P. Kayal, and C. K. Chanda, "A simple and fast approach for allocation and size evaluation of distributed generation", International Journal of Energy & Environmental Engineering, Springer, vol. 4, no. 7, pp. 1-9, 2013.

Dr. Avadh Pati (07)

1. Avadh Pati and Richa Negi, "Design of Backstepping Control with CNN based Compensator for Active Magnetic Bearing System Subjected to Input Voltage Saturation," World Journal Engineering, 2018 (Accepted).

2. Avadh Pati and Richa Negi, " Super-Twisting Algorithm Based Integral Sliding Mode Control with Composite Nonlinear Feedback Control for Magnetic Levitation System," International Journal of Automation and Control, 2018. (Accepted)

3. Avadh Pati and Richa Negi, " An optimized 2-DOF IMC-PID based Control Scheme for Real-time Magnetic Levitation System," International Journal of Automation and Control, 2017.

4. Avadh Pati and Richa Negi "An Anti-windup Control Strategy to Actuator Saturating Input Voltage for Active Magnetic Bearing System", in COMPEL - The international journal for computation and mathematics in electrical and electronic engineering Vol. 35, No-3, pp. 1046-1063, 2016. ISSSN -0332-1649.

5. Avadh Pati, Vijay Kumar Verma, Richa Negi, Shyam Krishna Nagar, "Real Time Implementation of Series Expansion Based Digital Controller for Magnetic Levitation System", Intelligent Control and Automation, vol. 7, pp. 110-128, 2016, ISSN-2153-0661.

6. Avadh Pati, Vipin Chandra Pal, and Richa Negi, "Design of 2-DOF Control and Disturbance Estimator for Magnetic Levitation System", Engineering, Technology & Applied Science Research, vol.7, no. 1, pp. 1369-1376, 2017, ISSN: 1792-8036.

7. Avadh Pati, Awadhesh Kumar, and Dinesh Chandra, "Suboptimal Control Using Model Order Reduction", Chinese Journal of Engineering, Volume 2014, Article ID-797581, pp.1-5, 2014.

Dr. Nabanita Adhikary (03)

1. Nabanita Adhikary and Chitralekha Mahanta, "Sliding mode control of position commanded robot manipulators", Control Engineering Practice, Volume 81, 2018, Pages 183-198, ISSN 0967-0661, https://doi.org/10.1016/j.conengprac.2018.09.011. (http://www.sciencedirect.com/science/article/pii/S096706611830532X)

2. Nabanita Adhikary and Chitralekha Mahanta, "Inverse dynamics based robust control method for position commanded servo actuators in robot manipulators", Control Engineering Practice, Elsevier, vol. 66, pp. 146-155, 2017.

3. Nabanita Adhikary and Chitralekha Mahanta, "Integral backstepping sliding mode control for underactuated systems: Swing-up and stabilization of the cart-pendulum system ", ISA Transactions, Elsevier, vol. 52, no 6, pp. 870-880, 2013.

Dr. Saheli Ray (05)

1. Saheli Ray, Aniruddha Bhattacharya, Subhadeep Bhattacharjee (2016), "Differential Search Algorithm for Reliability Enhancement of Radial Distribution System", Electric Power Components and Systems (Taylor and Francis), vol. 44, no. 1, pp. 29- 42.

2. Saheli Ray, Aniruddha Bhattacharya, Subhadeep Bhattacharjee (2016), "Optimal Placement of Switches in a Radial Distribution Network for Reliability Improvement", International Journal of Electric Power and Energy Systems (Elsevier), vol.76, pp. 53-68.

3. Saheli Ray, Subhadeep Bhattacharjee, Aniruddha Bhattacharya (2016), "Optimal allocation of remote control switches in radial distribution network for reliability improvement", Ain Shams Engineering Journal, (Elsevier). doi: 10.1016/j.asej.2016.01.001.

4. Saheli Ray, Aniruddha Bhattacharya, Subhadeep Bhattacharjee (2015), "Optimal allocation of distributed generation and remote control switches for reliability enhancement of a radial distribution system using oppositional differential search algorithm", The Journal of Engineering (IET). doi:10.1049/joe.2015.0097.

5. Prashanta Sarkar, Soumesh Chatterjee, Saheli Ray (2013), "Optimal Placement of Capacitor for Voltage Support and Minimizing Overall Cost in Radial Distribution System", International Journal of Computer Applications, vol. 65, no. 2, pp.1-5.