# Publication
# Of
# Electrical Engineering
# Department

# PUBLICATION OF ELECTRICAL ENGINEERING DEPARTMENT

| SL NO | Author (Including Co- author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | Dr. Mayur Barman | An Alike Day Data Improved Fuzzy Logic Controller for Week Ahead Power System Load Forecasting. | 10.1007/978-3-030-42363-6_63 | Learning and Analytics in Intelligent Systems, vol 12. Springer, Cham | International | |
| 2 | Dr. Mayur Barman | Application of Perturb and Observe Algorithm for MPPT Technique in Association with MP Controller for Reducing the THD of Grid Connected PV Systems | 10.1007/978-3-030-42363-6_62 | Learning and Analytics in Intelligent Systems, vol 12. Springer, Cham | International | |
| 3 | Dr. Mayur Barman | A Review On: MPPT Technique in Association With Model Predictive Controlling Scheme for Reducing the THID of Grid Connected PV Systems | https://dx.doi.org/10.2139/ssrn.3492950 | Conference Proceedings on CTFC 2020 | International | |
| 5 | Suparna Pal | A Real Time Nobel Approach of Aggregations of Generators and Loads into Virtual Power Plant"(SP) | http://ssrn.com/link/I-I-I-Science-Engineering-Technology.html | "International Conference on Industry Interactive Innovations in Science, Engineering & Technology (I3SET 2K19) at JIS College of Engineering, Kalyani held during 13-14 December 2020 | International | |

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| 6 | Suparna Pal | Real Time Short Circuit Fault Analysis of a Substation by Soft Computing (SP) | | Nano technology & Nano materials for Energy and Environment (ICNNEE2019) at JIS College of Engineering Kalyani , | International | |
| 7 | Suparna Pal | *Applied Wind Power on Train lighting (SP)* | *ISBN No: 978-93-5391-015-0* | International Conference on "Frontiers in Engineering, Management and Applied Science(FEMAS-2020 | International | |
| 8 | Suparna Pal | Single Axis Solar Tracking System Using Arduino (SP) | ISBN:978-81-941310-1-4 | JIS University National Conference on Multidisciplinary Research (NCMR) held in JIS University Agarpara,12-13 November 2020 | International | |
| 9 | Suparna Pal | The Analysis of the Modern Power System with Distribution Network. (SP) | ISBN:978-81-941310-1-4 | NCMR2019,JISU | International | |
| 10 | Suparna Pal | Analysis of Economics of Power by load duration curve for KV distribution line of JIS College of Engineering –A case study.(SP) | ISBN:978-81-941310-1-4 | NCMR2019,JISU | International | |
| 11 | Suparna Pal | Different virtual cluster Analysis of Smart Grid (SP) | ISBN:978-81-941310-1-4 | CSI-West bengal State Student Convention 2K19,on 14th NOV | International | 3.022 |

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| 12 | Debodyuti Upadhaya | PC1D Simulation of Crystalline Silicon Solar Cellwith Diamond-like nanocomposite as Antireflection Coating Material | NA | ORAL presentation at the International Congress on Renewable Energy (ICORE)-2020 | International | |
| 13 | Debodyuti Upadhaya | STUDY ON LOAD FORCASTING | | International Conference on "Recent Trends and Technologies in Engineering and Science – 2020 (ICRT2ES-2020) | International | 0 |
| 14 | Gargi Roy | A survey on dc microgrid fault detection techniques | NA | Conference proceedings of I3SET 2K19 | International | |
| 15 | Gargi Roy | STUDY OF DROOP CONTROL METHOD OF ISLANDED MODE MICROGRID | Vol.-7, Special Issue-18, May 2019 | International Conference on Electrical,Electronics, Computer Science & Civil Engineering-2019 [ICEECC-2019] | International | 3.022 |
| 16 | Gargi Roy | PC1D Simulation of Crystalline Silicon Solar Cellwith Diamond-like nanocomposite as Antireflection Coating Material | NA | ORAL presentation at the International Congress on Renewable Energy (ICORE)-2020 | International | |
| 17 | Gargi Roy | Short Circuit Analysis of 33/11kv Substation Using ETAP Software | NA | International Conference on Future Trends and Technological Advancement in Engineering-2020 | International | |
| 19 | SUDIP DAS | "Design And Development Of Arduino Based Automatic Soil Moisture Monitoring System For Optimum Use Of Water In Agricultural Fields" | Vol-3, Issue-5, May-2017 Impact factor 5.716 | International Journal of Engineering Research & Science | International | |

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| 20 | SUDIP DAS | Real Time Power System and Sub Synchronous Inter Harmonics | Vol 3, no. 5, 2017, pp.458-465 Infogain Publication, doi:10.24001/ijaems.3.5.9 Impact Factor-3.661 | International Journal of Advanced Engineering, Management and Science | International | |
| 21 | SUDIP DAS | Design and Development of Dual Axis Solar Tracking System to get Optimum Power | Volume 6 Issue April 2016 Impact factor 1.145 | IJCER | International | |
| 22 | SUDIP DAS | 'An Approach For Automatic Generation Control By Stepper Motor Using With Pic16f72 Microcontroller' | Vol.2, Issue 12, .2319-8753, Dec.2013 | JOURNAL (IJAREEIE) | International | |
| 23 | SUDIP DAS | 'Digital Simulation of Forty Eight pulse STATCOM for Reduction of Voltage Instability and Improvement of Power Quality' | Vol.5, Issue 10, pp.3506-3518,Oct.2012 | JOURNAL (IJST) | International | |
| 24 | SUDIP DAS | 'Digital Simulation of a Statcom based on twelve pulse VSC for FACTs application in Power System' | Vol.3,No.2,pp.135-144, Dec.2012. | JOURNAL (IJSR) | International | |
| 25 | SUDIP DAS | 'Clock Synchronization of a RealTime Network Control System Using Interactive Convergence Algorithm Interactive Convergence Algorithm' | IC3A-2013. JAN-2013. JIS College of Engineering,Kalyani. | Conference [In Collaboration with IEEE-Calcutta Section & sponsored by TEQIP] | International | |
| 26 | SUDIP DAS | 'Shunt Active Power Filter Apparent Power for Power Electronic Systems' | ESPIO-2011,JIS College of of Engineering, Kalyani,August-19,2011. 2011. | National Conference on Energy System, Planning, Implementation | International | |

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| 27 | SUDIP DAS | 'Three Level Vsi Based D-Statcom Control In Low Voltage Distribution System' | IC3A-2013. JAN-2013. JIS College of of Engineering, | Conference [In Collaboration with IEEE-Calcutta Section & sponsored by TEQIP] | International | |
| 28 | SUDIP DAS | 'Experimental Determination Of Udp/Ip Latency For Use Innetworked Control Systems' | ESPIO-2011. JIS College of of Engineering, Kalyani,August-19,2011. 2011. | National Conference on Energy System, Planning, Implementation | International | |
| 29 | SUDIP DAS | Smart Cap for visually impared persons | | IJITEE | International | |
| 30 | SUDIP DAS | DEVELOPMENT OF CONTINUOUS SOLAR HEALTH MONITORING AND MANAGEMENT SYSTEM | | I3SET2K19 | International | |
| 31 | SUDIP DAS | AUTOMATIC MOVABLE DRIP IRRIGATION SYSTEM USING IOT | | ICONEE2K19 | International | |
| 32 | Dr. Bidhan Ma | Survey of RFID applications in railway industry | pp. 1-6 | International Conference on Automation, Control, Energy and Systems (ACES), | International | 12 |
| 33 | Dr. Bidhan Ma | Railway fail-safe signalization and interlocking design based on Automation Petri Net | pp. 1-4 | International Conference on Information Communication and Embedded Systems (ICICES2014), Chennai, India, 2014 | International | 5 |
| 34 | Dr. Bidhan Ma | A novel application of adaptive filtering for initial alignment of Strapdown Inertial Navigation System | pp. 189-194 | International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA), Mumbai, 2014 | International | 11 |

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| 35 | Dr. Bidhan Ma | Application of Bilinear Recursive Least Square Algorithm For Initial Alignment of Strapdown Inertial Navigation System | Volume 27 | International Conference on Advanced Computing, Networking, and Informatics, Smart Innovation, Systems and Technologies, Volume 27, Springer, 2014 | International | 10 |
| 36 | Dr. Bidhan Ma | Study on Longitudinal Forces of a Freight Train for Different Types of Wagon Connectors | | IFAC International Conference on Advances in Control and Optimization of Dynamical Systems (ACODS 2018), Hyderabad, India | International | 8 |
| 37 | Dr. Bidhan Ma | Investigation on the application of Fuzzy Logic Controller in Unified Power Flow Controller (UPFC) | | International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019), Siliguri, India | International | NA |
| 38 | Dr. Bidhan Ma | A Survey on Improving the Solar Efficiency | | International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019), Siliguri, India | International | NA |
| 39 | Dr. Bidhan Ma | A Parametric Analysis for Improving the Efficiency of a PV Module | | International Conference on Non-Conventional Energy: Nanotechnology & Nanomaterials for Energy & Environment (ICNNEE) 2019 | International | NA |
| 40 | Mr. Partha Da | A unique model of Characterization & performance Estimation of various solar photovoltaic cells using Microcontroller. | IEEE | ICONCE2014 | International | NA |
| 41 | Mr. Partha Da | Solar Energy Utilization for Geographical Exploration. | IEEE | ICONCE2014 | International | NA |

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| 42 | Mr. Partha Das | Bat Algorithm based Transmission Expansion planning | SPRINGER | ICCACCS-2018 | International | NA |
| 43 | Mr. Partha Das | Modeling & Simulation of19 level cascaded hybrid Multilevel Inverter with less number of switches | ELSEVIER(SSRN) | I3SET2K19 | International | NA |
| 44 | Mr. Partha Das | Nature Inspired Grassgopper Algorithm based Transmission expansion planning | ELSEVIER(SSRN) | I3SET2K19 | International | NA |
| 45 | Mr. Partha Das | Review on Multiobjective Pareto optimization Technique on Transmission expansion planning | ELSEVIER(SSRN) | ICNNEE2019 | International | NA |
| 46 | Mr. Partha Das | Wind Energy application for small Business | ELSEVIER(SSRN) | ICNNEE2019 | International | NA |

**LIST OF PAPERS PUBLISHED in 2017- EE Department**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | Papun Biswas, Debjani Chakraborti, Bijay Baran Pal | Modelling Multiobjective Bilevel Programming for environmental-economic power Generation and Dispatch using Genetic Algorithm | Communications in Computer and Information Science, Vol 776, pp.423-439. Springer, Singapore | Book Chapter | International | ISSN: 1865-0929 ISSN: 1865-0937 (Electronic) ISBN: 978-981-10-6429-6 ISBN: 978-981-10-6430-2 (eBook) |
| 2 | Papun Biswas, Debopriya Sur Mukhopadhyay, Reshmi Chanda, Debjani Chakraborti | Soft Computing Approach to Electrical Transmission Network Congestion Management | Lecture Notes in Networks and Systems, pp. 59-70, Springer, Singapore | Book Chapter | | ISSN: 2367-3370 ISSN: 2367-3389 (Electronic) ISBN: 978-981-10-3952-2 ISBN: 978-981-10-3953-9 (eBook) |
| 3 | Naskar, R., Mandal, R., Ghosh,S. | Estimation & Analysis of a 5KWP Solar Photovoltaic Power Plant at JIS College of Engineering, Kalyani. | **International research journal of engineering and technology (IRJET)**, volume: 04 issue:02, Feb. -2017, | Journal | International | e-issn: 2395 - 0056, p-issn: 2395-0072, www.irjet.net |
| 4 | Milan Sasmal Biswamoy pal Sudip Das Partha Das | Real Time Power System and Sub Synchronous Inter Harmonics | *International Journal of Advanced Engineering, Management and Science(ISSN: 2454-1311)*,vol 3, no. 5, 2017, pp.458-465 Infogain Publication, doi:10.24001/ijaems.3.5.9 | Journal | International | Impact Factor-3.661 *ISSN: 2454-1311* |
| 5 | Sudip Das, Biswamoy Pal, Partha Das, Milan Sasmal | Design and Development of Arduino based Automatic Soil | International Journal of Engineering Research & Science (IJOER) ISSN: | Journal | International | ISSN: 2395-6992, IF- 5.716 |

| | | Moisture Monitoring System for Optimum use of Water in Agricultural Fields | [2395-6992] [Vol-3, Issue-5, May- 2017], PP.15-19 | | | |
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**LIST OF PAPERS PUBLISHED in 2017**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| | Biswas, P., Chakraborti, D., Pal, B., | Modelling Multiobjective Bilevel Programming for Environmental-Economic Power Generation and Dispatch using Genetic Algorithm | International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA-2017) , (to be published in CCIS Series, Springer) | Conference | International | ISSN: 1865-0929 |
| | Naskar, R., Ghosh,S., Mandal, R., | ., "Estimation & Analysis of a 5KWP Solar Photovoltaic Power Plant at JIS College of Engineering, Kalyani." | volume: 04 issue:02,feb -2017, e-issn: 2395 - 0056, p-issn: 2395-0072, www.irjet.net. | **International research journal of engineering and technology (IRJET),** | **International** | www.irjet.net |

**LIST OF PAPERS PUBLISHED in 2016**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | Mukhopadhyay, D., Chanda, R., Biswas, P., Chakraborti, D | Soft Computing Approach to Electrical Transmission Network Congestion Management | Lect. Notes in Networks, Syst, Vol 11 (to be published) | Conference | International | ISBN: 978-981-10-3952-2 |
| 2 | Chanda, R., Mukhopadhyay, D., Biswas, P., Chakraborti, D. | Optimization of Environmental-Economic Power Generation and Dispatch via GA based Multi-objective Bi-level Programming | Proceedings of International Conference on Industry Interactive Innovations in Science, Engineering and Technology, pp. 139 | Conference | International | - |
| 3 | Basudeb Dey | Study the effect of modulaton index on power quality of reduced switch MLI | IJETR/04/1620 | Journal | International | 2395-0072 |
| 4 | Naskar, R., Mandal, R.,Ghosh,S., | Analysis on Carbon Credit of a 5KWP Solar Photovoltaic Power Plant at JIS College of Engineering, Kalyani." | **Imperial Journal of Interdisciplinary Research (IJIR),** | Journal | National | ISSN: 2454-1362 |
| 5 | Sudip Das, Biswamoy Pal, Milan Sasmal, Partha Das, Basudeb Dey, Sukalyan Majhi | Design & Development of Dual Axis Solar Tracking System to Get Optimum Power | International Journal of Innovations in Engineering and Technology (IJIET | Journal | International | ISSN: 2319 – 1058 |
| 6 | P.Das | A unique model of Characterization & performance Estimation of various solar photovoltaic cells using Microcontroller. | | International Conference Proceeding | | 978-1-4799-3339-6 |
| 7 | P.Das | Solar Energy Utilization for Geographical | | International Conference Proceeding | | 978-1-4799-3339-6 |

| | | Exploration. | | | | |
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| 8 | P.Das | Fault Tolerance and Power Quality study of DFIG based wind Turbine System | | International Journal | | ISSN no:6545,Impact Factor:6.83 |

**LIST OF PAPERS PUBLISHED in 2015**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | Biswas, P., Pal, B., | Fuzzy Goal Programming Approach to Solve Linear Multilevel Programming Problems using Genetic Algorithm | International Journal of Computer Applications, pp.10-19, Vol.115(3),2015 | Journal | International | SSN: 0975 – 8887 |
| 2 | Biswas, P., Pal, B., | Fuzzy Goal Programming Approach for Solving Congestion Management in Electrical Transmission Network using Genetic Algorithm | Advances in Intelligent Systems and Computing (AISC), Springer, Vol. 339, 2015, pp.695-703. | Journal | International | ISSN: 2194-5357 |
| 3 | Swagata Banerjee , Biswamoy Pal | Two Level Inverter Based on Space Vector Pulse Width Modulation Technique | International Journal of Engineering Trends and Technology (IJETT) | Journal | International | |
| 4 | Swagata Banerjee , Biswamoy Pal | Design of A Three Phase Reduced Switch Multilevel Inverter Based on Different SPWM Techniques | International Journal of Engineering Research & Technology (IJERT) | Journal | International | ISSN: 2278-0181 |
| 5 | Milan Sasmal, Rajat Bhattacharjee | Simulation of ICA-PI Controller of DC Motor in Surgical Robots for Biomedical Application | ICAME, @ JIS College of Engineering, page no. 175-184, 15/01/2015 | Conference paper | International | DOI: 10.1007/978-81-322-2256-9_16, Springer, New Delhi,  Print ISBN 978-81-322-2255-2, Online ISBN 978-81-322-2256-9 |
| 6 | Milan Sasmal, Debasmita Mula | Simulation of Speed Controlled Switched Reluctance Motor Drive System using MATLAB Simulink | IJERGS, Volume 3, Issue 3, page 1588-1597, 2015 | Journal Paper | International | **(ISSN 2091-2730), Impact factor 3.843 (Scientific Journal impact factor) and 5.18 ICV** |

**LIST OF PAPERS PUBLISHED in 2014**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | Biswas, P., | Genetic Algorithm Based Multiobjective Bilevel Programming for Optimal Real and Reactive Power dispatch under Uncertainty | Computational Intelligence applications in Modeling and Control, Series Title: Studies in Computational Intelligence by Springer-Verlag, Germany, Vol. 575, 2014, pp. 171-203 | Book Chapter | International | **Online ISBN** 978-3-319-11017-2  **Series ISSN** 1860-949X |
| 2 | Biswas, P., Pal, B., | GA Based FGP to Solve BLP Model of EEPGD Problem | Encyclopedia of Business Analytics and Optimization (Book Chapter), IGI Global, pp. 494-510, 2014 | Book Chapter | International | ISBN 978-1-4666-5205-7 (print & perpetual access) |
| 3 | Basudeb dey | Defence Mechanisms for grid Distribution in India Due to Power-Swing in the Interconnected Grids (pp. 382-385) | ISBN 978-1-4799-3339-6 | ICONCE 2014 | International | 2395-0072 |
| 4 | Naskar, R., Mandal, R. | "A Unique Model of Characterization & Performance Estimation of various Solar PHOTOVOLTAIC Cells/Modules using microcontroller" | | International **Conference on 1st on Non Conventional Energy, Organized by JIS College of Engineering, Kalyani, Nadia-741235, India during** January 16-17,2014 | **International Conference** | **ISBN No/ISSN No.-** 978-1-4799-3339-6/14/$31.00©2014 IEEE. |
| 5 | Suparna Pal, Debasis Jana | Pitch angle Control of Variable speed wind Turbine Generation" | International Journal of Electrical Engineering Technology (IJEET) ,in volume 5,Issue 4,April 2014,PP 49-60, ISSN 0976-6545(Print) ISSN 0976-6553(online),impact factor 6.8310 | Journal | International | 0976-6545(Print) ISSN 0976-6553(online),impact factor 6.8310 |
| 6 | Biswamoy Pal, Reetam Mondal | Overall THD Analysis of Multicarrier PDPWM based new Cascaded Multilevel Inverter with Reduced Switch of | International Journal of Emerging Technologies and Engineering | Journal | International | ISSN 2348 – 8050 |

| | | Different Levels at different carrier frequency | | | | |
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| 7 | B. Pal , B. Dey , C. Debnath , S. Banerjee | Design and Development of Level Shifted SPWM Techniques based Reduced switch Multilevel Inverter | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | Journal | International | ISSN (Print) : 2320 – 3765 |

**LIST OF PAPERS PUBLISHED in 2013**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
|---|---|---|---|---|---|---|
| 1 | **Biswas, P**., Pal, B., Mukhopadhyay, | GA Based FGP Approach for Optimal Reactive Power Dispatch | Procedia Technology, Elsevier, Vol. 10, pp. 464-473, 2013 | Journal | International | ISSN: 2212-0173 |
| 2 | **Biswas, P**., Chakraborti, D., Pal, B., | FGP Approach for Solving Fractional Multiobjective Decision Making Problems using GA with Tournament Selection and Arithmetic Crossover | Procedia Technology, Elsevier, Vol. 10, pp. 505-514, 2013. | Journal | International | ISSN: 2212-0173 |
| 3 | **Biswas, P.,** Pal, B., Mukhopadhyay, A., | A Priority based Fuzzy Goal Programming Method for Solving Thermal Power Generation-Dispatch Problems using Genetic Algorithm | CSI Journal of Computing, Vol. 2, No. 1, pp. 62-71, 2013 | Journal | National | e-*ISSN* 2277–7091 |
| 4 | S.Pal, T.K.Basak, S.Das, R.Chakraborty, N.C.Ganguly. | 'THREE LEVEL VSI BASED D-STATCOM CONTROL IN LOW VOLTAGE DISTRIBUTION SYSTEM' | International conference on Computation and communication Advancement (IC3A)-2013 | Conference | International | ISSN:978-1-25-906393-0 |
| 5 | S.Das, S.Pal, T.K.Basak, N.C.Ganguly. | 'CLOCK SYNCHRONIZATION OF A REAL TIMENETWORK CONTROL SYSTEM USING INTERACTIVE CONVERGENCE ALGORITHM' | International conference on Computation and communication Advancement (IC3A)-2013 | Conference | International | ISSN:978-1-25-906393-0 |
| 6 | S.Pal, S.Dalapati, S.Das,A.M.Roy. | 'Evaluation of Dual Three-Level VSI based STATCOM for improvement of Power Quality' | Vol.1(8),pp.453-460. | Journal of Academia and Industrial Research (JAIR) | International | ISSN:2278-5213 |
| 7 | S.Pal,S.P.Ray,L. Chongdar,D.Dasgupta,D.Gayen | 'Reduction of THD using three level twenty-four pulse VSI based STATCOM' | Vol.1(12),pp.740-746. | Journal of Academia and Industrial Research (JAIR) | International | ISSN:2278-5213 |
| 8 | S.Pal,S.P.Ray,L. Chongdar,D.Dasgupta. | 'Performance analysis of a three level twelve- pulse VSC based STATCOM under fault condition' | Vol.6(9),pp.5189-5194. | Indian Journal of Science and Technology(IJST) | International | ISSN:0974-5645 |

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|---|---|---|---|---|---|---|
| 9 | Prof. Ratan Mandal (JU) & Prof. Rakesh Naskar | An unique method of characterization & Performance estimation of various solar PHOTOVOLTAIC cells/modules Using Microcontroller: A review. | Instrumentation & Control (NATCONIC 2013) | Conference | National | ISBN No.978-93-82359-56 |
| 10 | Lusika Roy | Economic Environmental Dispatch of Thermal Power System Using Simulated Annealing –Based Multiobjective Optimization Algorithm: AMOSA | IC3A-2013, Pg.No. 14-22 | Conference | International | ISBN No.-13:978-1-25-906393-0 |
| 11 | Bikash Dey, Lusika Roy | A practical simulation study on load frequency control using Integral, PI, PID controller for a two area interconnected power system | CCDE-2013 | Conference | National | Not Applicable |
| 12 | Lusika Roy, Bikash Dey | Simulation study of load frequency control using PI & PID controller for interconnected power systems | MTPCMD-2013 | Conference | National | Not Applicable |
| 13 | Soma Biswas, S.K. Goswami, S. K. Mitra | Reduction of Harmonics Distribution with Optimal Siting and Sizing of Distributed Generation | IC3A-2013 | Conference | International | ISBN No.-13:978-1-25-906393-0 |
| 14 | Soma Biswas, S.K. Goswami, A. Chatterjee | A study of the factors influencing the optimal size and site of DG | ICEES-2013 (Singapore) | Conference | International | |
| 15 | P. Ray, A. Basuray and A. K. Maitra | Optimum Wavelet Bases Selection for Wavelet Based De-Noising in Partial Discharge Measurement | Proceeding of ICT'13, Tamil Nadu, India, 11th - 12th April 2013, pp 1110-1113, 2013 | Conference | International | (ISBN – 978–1–4673–5759–3) |
| 16 | P. Ray, A. Basuray and A. K. Maitra | Extract Partial Discharge Signal using Wavelet for On-line Measurement | Proceeding of ICCSP'13, Melmaruvathur,India, 3rd - 5th April 2013, pp 888-892, 2013. | Conference | International | (ISBN – 978–1–4673–4865–2) |
| 17 | P. Ray, A. Basuray and A. | A New Threshold Function for De- | Proceeding of ICSIPR'13, | Conference | International | (ISBN – 978–1–4673–4861–4) |

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|---|---|---|---|---|---|---|
| | K. Maitra | noising Partial Discharge Signal based on Wavelet Transform | Coimbatore, India, 7th - 8th Feb. 2013, pp 185-189, 2013. | | | |
| 18 | Suparna Pal | The Soft Control Analysis of Load Frequency Control and mitigation of Instability of Power System | | National Conference on Control, Communication & Device Electronics(N3CD-2013) | National | |
| 19 | Suparna Pal | A Novel Software Approach Control Scheme of Renewable Energy Application in Smart Grid" | | National Conference on Control, Communication & Device Electronics(N3CD-2013) | National | |
| 20 | Suparna Pal | The Soft Control Analysis of Load Frequency Control and mitigation of Instability of Power System | | National Conference on Control, Communication & Device Electronics(N3CD-2013) | National | |
| 21 | Suparna Pal | Fuzzy logic controller as a power system stabilizer and optimizer | | National Conference on Control, Communication & Device Electronics(N3CD-2013) | National | |
| 22 | Reetam Mondal | Microcontroller based Temperature Monitoring and Closed Loop Control to study the Reaction of Controlled Variable with Respect to Load Changes | Vol. 153, Issue 6, pp.148-154 | International Journal (IFSA) | International | ISSN No. 1726-5479 |
| 23 | Reetam Mondal | PLC Based Temperature Monitoring and Closed Loop Control of a Reaction Vessel | Conference Proceedings Page No.150-157 | Conference (N3CD 2013) | National | Not Applicable |
| 24 | Reetam Mondal | Application of Angular Position Control System of Stepper Motor in Robot Arm Movement based on 8051 Microcontroller | Conference Proceedings Page No.217-222 | Conference (N3CD 2013) | National | Not Applicable |
| 25 | Reetam Mondal | Embedded System of DC Motor Closed Loop Speed Control based on 8051 Microcontroller | Book of Abstracts, Page No.119 | International Conference (CIMTA 2013) | International | ISBN No. 978-93-5123-672-3 |
| 26 | P. Ray, A. K. Maitra and Arijit Basuray | On-line Partial Discharge Monitoring using MATLAB interface with DSO | Proceeding of 2013 IEEE Conference on Condition Assessment Techniques in Electrical Systems | CATCON 2013, Kolkata, India, 6th - 8th Dec 2013. pp. 383 - 385, 2013 | | ISBN – 978-1-4799-0081-7 |

| 27 | P. Ray, A. Basuray and A. K. Maitra | Optimum Wavelet Bases Selection for Wavelet Based De-Noising in Partial Discharge Measurement | Proceeding of 2013 IEEE Conference on Information and Communication Technologies , | ICT'13, Tamil Nadu, India, 11th - 12th April 2013, pp 1110-1113, 2013 | | (ISBN – 978–1–4673–5759–3) |
| 28 | Naskar, R., Mandal, R | "An unique method of characterization & Performance estimation of various solar PHOTOVOLTAIC cells/modules Using Microcontroller: A review", | | National **Conference** on Instrumentation & Control (NATCONIC 2013) organized by HIT, AEIE Dept. KOLKATA-107, during February 26-27, 2013. | National | **ISBN No/ISSN No.-** 978-93-82359-56-2/13/@2013hitk |

**LIST OF PAPERS PUBLISHED in 2012**

| Sl | Author (Including Co-author) | Title of the Paper | Detail of Paper (including Vol., Issue, Pg. No. Year) | Nature of Paper (Journal/ Conference/Book Chapter) | National/ International | Journal Impact No./SCI Index/ISBN No/ISSN No. |
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