

Publications: Dr Tanmoy Maity

Sr. No.	Author(s)	Year of Publication	Title of the Publications	Journals / Conference Proceedings	Pages
JOURNALS					
76	Mayank Sharma, Tanmoy Maity	July 2023	Review on machine learning-based underground coal mines gas hazard identification and estimation techniques	Archives of Computational Methods in Engineering doi.org/10.1007/s11831-023-09982-1	
75	R Mandal, Tanmoy Maity	July 2023	Operational process parameters of underground coal gasification technique and its control	Journal of Process Control Volume 129, doi.org/10.1016/j.jprocont.2023.103031	
74	Mayank Sharma, Tanmoy Maity	July 2023	Smart and fault tolerant multi-sensor fusion model for UCM Methane Hazard Monitoring based on belief divergence backed DS filter and hybrid CNN-LSTM classifier	IEEE Internet of Things Journal doi: 10.1109/JIOT.2023.3295823	
73	Bharatheedasan, K., Maity, T., Kumaraswamidhas, L.A. <i>et al</i>	July 2023	An intelligent of fault diagnosis and predicting remaining useful life of rolling bearings based on convolutional neural network with bidirectional LSTM.	<i>Sādhanā</i> 48 , 131 (2023). https://doi.org/10.1007/s12046-023-02169-1	
72	Arindam Chakraborty, Tanmoy Maity	Feb 2023	An adaptive fuzzy logic control technique for LVRT enhancement of a grid-integrated DFIG-based wind energy conversion system	ISA Transactions doi.org/10.1016/j.isatra.2023.02.013	
71	Arindam Chakraborty, Tanmoy Maity	Feb 2023	A novel application of adaptive filtering algorithm for LVRT capability enhancement of grid-connected DFIG-based wind energy conversion systems (WECS)	Electric Power Systems Research, Volume 217, https://doi.org/10.1016/j.epsr.2023.109179 .	109 179
70	Arindam Chakraborty, Tanmoy Maity	Dec 2022	Integrated control algorithm for fast and accurate detection of the voltage sag with low voltage ride-through (LVRT) enhancement for doubly-fed induction generator (DFIG) based wind turbines	Control Engineering Practice, Elsevier <u>Volume 131</u>	105 393
69	Manoj Kumar, Tanmoy Maity, Mukesh Kumar Kirar	Sept 2022	Energy savings through VOD (Ventilation-on-demand) analysis in Indian underground coal mine	IEEE Access, 2022, doi: 10.1109/ACCESS.2022.3203710.	
68	Ankur K Gupta, Y K Chauhan, Tanmoy Maity, R Nanda	July-August 2022	Study of Solar PV Panel Under Partial Vacuum Conditions: A Step Towards Performance Improvement	IETE Journal of Research, Volume 68(4).	303 8- 304 5
67	Indra Kumar. Shah, Tanmoy Maity, Y S Dohare et al	July 2022	ICIC: A dual mode intra-cluster and inter-cluster energy minimization approach for multi hop WSN	IEEE Access 10.1109/ACCESS.2022.3188684	
66	Mrutunjaya Panda, Devara V Bhaskar & Tanmoy Maity	June 2022	Coordinated power sharing among multiple subgrids in a photovoltaic-battery based DC microgrid	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 44:2 DOI: 10.1080/15567036.2022.2086649	

65	Mayank Sharma, Tanmoy Maity	May 2022	Multi-sensor data fusion-based gas hazard prediction using DSET and 1DCNN for Underground Longwall Coal Mine	IEEE Internet of Things Journal doi: 10.1109/JIOT.2022.3175724.	
64	Rai, M., Maity, T., Husain, A.A. <i>et al.</i>	June 2022	Pearson's Correlation and Background Subtraction (BGS) based approach for Object's Motion Detection in Infrared Video Frame Sequence	Statistical Papers doi.org/10.1007/s00362-022-01323-x	
63	R. N. Raul, T. Maity, S. Palit	April 2022	Concurrent Solar-Illumination and Power Line Voice Communication for Indian Underground Coal Mines – An Experimental Study	IETE Journal of Research, DOI: 10.1080/03772063.2022.2058628	
62	Md. A A Sheikh, T Maity, A Koley	April 2022	IRU-Net: An Efficient End-to-End Network for Automatic Building Extraction from Remote Sensing Images	IEEE Access, Vol 10 10.1109/ACCESS.2022.3164401	378 11 - 378 28
61	M Panda, V Bhaskar. T Maity	April 2022	A Fuzzy-Based Coordinated Power Management Strategy for Voltage Regulation and State-of-Charge Balancing in Multiple Subgrid-Based DC Microgrid	International Transactions on Electrical Energy Systems doi.org/10.1155/2022/1288985	
60	M Panda, V Bhaskar. T Maity	Feb 2022	An Efficient SoC-balancing based Power Management Strategy for Interconnected Subgrids of DC Microgrid	Journal of Energy Storage vol. 50 104287	
59	Mritunjay Rai, Tanmoy Maity, R Sharma, R.K.Yadav	March 2022	Early Detection of Foot Ulceration in Type II Diabetic Patient using Registration method in Infrared Images and descriptive comparison with Deep Learning Methods	The Journal of Supercomputing https://doi.org/10.1007/s11227-022-04380-z	
58	A. K. Gupta, Tanmoy Maity et al	June 2021	Effect of Various Incremental Conductance MPPT Methods on the Charging of Battery Load Feed by Solar Panel	IEEE Access, Vol 9	909 77- 88
57	Mritunjay Rai, Tanmoy Maity, R.K.Yadav	Jan 2022	An Improved Statistical Approach for Moving Object Detection in Thermal Video Frames	Multimedia Tools Applications Vol 81 , https://doi.org/10.1007/s11042-021-11548-x	928 9– 931 1
56	Sushma Kakakr, Tanmoy Maity, et al	Sept 2021	Design and Control of Grid-Connected PWM Rectifiers by Optimizing Fractional Order PI Controller Using Water Cycle Algorithm	IEEE Access Vol.9	125 941- 54
55	M Panda, V Bhaskar. T Maity	Feb 2021	A novel dc bus-signaling based power management strategy for dc microgrid	International Transactions on Electrical Energy Systems Vol 31(2) http://dx.doi.org/10.1002/2050-7038.12758	
54	Joby Antony, Tanmoy Maity	Jan 2021	Analysis of Ethernet control network	IETE Journal of Research DOI: 10.1080/03772063.2020.1871427	
53	Ankur K Gupta, Tanmoy Maity, Anandakumar H Y. K. Chauhan,	Nov 2020	An electromagnetic strategy to improve the performance of PV panel under partial shading	Computers and Electrical Engineering https://doi.org/10.1016/j.compeleceng.2020.106896	
52	P. Manikandan, T. Maity	June 2020	Performance Analysis of a Digitally Retrofitted Ward–Leonard Control Dragline—A Case Study in Coal Mine	Journal of Mining Science, Vol 56(1)	59- 65

51	Indranil Sarkar, Mainak Mukhopadhyay, Tanmoy Maity	April 2020	A New Blind DOA Estimation Using Two Uniform Linear Array for Low Side Lobe Adaptive Array	Journal of Scientific & Industrial Research, Vol. 79	312 – 314
50	Rabi Raul, Tanmoy Maity, S Palit	May 2020	Challenges and viability of use of PLC for personal communication in underground coal mines	IETE Journal of Research doi.org/10.1080/02564602.2020.1757519	
49	Indra Kumar Shah, Tanmoy Maity, Y S Dohare	Feb 2020	Algorithm for Energy Consumption Minimisation in Wireless Sensor Network	IET Communications, Vol 14, issue 8	130-1-10
48	R Mandal, Tanmoy Maity, S.K. Chaulya, G.M. Prasad	Sept 2020	Laboratory investigation on underground coal gasification technique with real-time analysis	FUEL Vol 275 (117865) https://doi.org/10.1016/j.fuel.2020.117865	
47	Ankur K Gupta, Y. K. Chauhan, Tanmoy Maity, R.Nanda	April 2020	Study of Solar PV Panel Under Partial Vacuum Conditions: A Step Towards Performance Improvement	IETE Journal of Research, DOI: 10.1080/03772063.2020.1749145	
46	R. Mandal, R. Kumar, S. Ansari, D.Kumar, S.K. Chaulya, G.M. Prasad, T. Maity	Feb 2020	Underground Coal Gasification Techniques for Different Geo-mining Conditions	International Journal of Oil, Gas and Coal Technology Vol. 23, No. 2, SCI DOI: 10.1504/IJOGCT.2018.10013762	199-217
45	<u>Sushma Kakkar, R K Ahuja, Tanmoy Maity</u>	January, 2020	Performance enhancement of grid-interfaced inverter using intelligent controller	Measurement and Control, Vol 53 (3-4) https://doi.org/10.1177/0020294019879171	551-563
44	T Maity, A Chakraborty, CR Mahata	Dec 2019	Dissipative structures in water, validated by quantum electrodynamics, are information carriers of solute through dilutions	Int J Complement Alt Med12 (6),	221-223
43	Md. A A Sheikh, A Kole, T Maity	2019	Two Stage Smooth Path Planning for Mobile Robot for Optimal Obstacle Avoidance Problem in Unknown Environment	World Journal of Modelling and Simulation, Vol. 15(3)	302-320
42	Agha Asim Husain, Tanmoy Maity, R K Yadav	Sept 2019.	Vehicle detection in intelligent transport system under a hazy environment: a survey	IET Image Processing Vol. 14(1), doi: 10.1049/iet-ipr.2018.5351	1-10
41	Md. Abdul Alim Sheikh; Alok Kole; Tanmoy Maity		A Multi-Level Approach for Change Detection of Buildings Using Satellite Imagery International	Journal on Artificial Intelligence Tools, Vol. 27, No. 8, DOI: 10.1142/S0218213018500318	185-003 11-19
40	Gupta, A.K., Chauhan, Y.K. & Maity, T.	Oct 2018	A new Gamma scaling Maximum Power Point Tracking method for Solar Photo-voltaic Panel Feeding Energy Storage System,	IETE Journal of Research, DOI 10.1080/03772063.2018.1530617,	
39	Mayank Sharma, Tanmoy Maity	Sept 2018	Low cost low power smart helmet for real-time remote underground mine environment monitoring,	Wireless Personal Communications (Springer) Vol 102 (1), DOI.ORG/10.1007/s11277-018-5831-1, 149–162,	
38	R Verma, T Maity, I Hofsaier	Aug 2018	Multipath Conductors for EMI Filter - Recent Developments	IET Science, Measurement & Technology SCI, : Vol 12 (5), DOI: 10.1049/iet-smt.2017.0148,	575 – 580,

37	Gupta, A.K., Chauhan, Y.K. & Maity, T.	Aug 2018	Experimental Investigations & Comparison of Various MPPT Techniques for Photo-voltaic System	Sādhanā (2018) Springer 43:132. doi.org/10.1007/s12046-018-0815-0	
36	V Bhaskar D, V Neti, T Maity, P Shunmugam	March 2018	A Three-Output Inverter for Induction Cooking Application with Independent Control	European Power Electronics Journal (TEPE) Vol 28(2) DOI: 10.1080/09398368.2018.1442543	89-99
34	Antony Joby, Choudhry Anup, Datta T.S., Maity Tanmoy	Jan 2018	Ethernet based instrument-device-servers & IoT to replace PLC, CAMAC, VME based Cryogenic CDAQ system	Indian Journal of Cryogenics Vol: 43 (1) doi : 10.5958/2349-2120.2018.00025.0	148-154
33	Hanuman Prasad ¹ , Tanmoy Maity	Dec 2017	Modeling and reliability analysis of three phase z-source AC-AC converter	Archives of Electrical Engineering Vol. 66(4)	.731-743
32	V. Ranjith Babu, Tanmoy Maity, Sahil Gupta	July, 2017	Adaptive Environment-Friendly Mine Ventilation Fan Speed Control Using PLC	Journal of Engineering Technology, Vol.6, Issue.2	407 – 413
31	Mritunjay Rai, Tanmoy Maity, R.K.Yadav	July, 2017	Thermal imaging system and its real time applications: a survey	Journal of Engineering Technology, Vol.6, Issue.2	290 – 303
30	V Bhaskar D, V Neti, T Maity, P Shunmugam	May 2017	Hybrid controlled dual frequency inverter for two load induction cooking application	European Power Electronics (EPE) Journal. Vol 27, No. 2	60-73
29	Hanuman Prasad Tanmoy Maity	Feb 2017	Real-Time performance analysis of Modified Z-Source Inverter-fed Induction Motor Drives using Xilinx System Generator	European Power Electronics (EPE) Journal, Vol 26, No. 4	142-152
28	Y.S.Dohare T. Maity P.S. Paul	May-Jun 2016	Design of a sensor board for underground mines environment monitoring system	Journal of Mines, Metals and Fuels	271-274
27	V. Ranjith Babu, Tanmoy Maity, and Hanuman Prasad	May-Jun 2016	Energy saving possibilities for ventilation fan in underground coal mines	Journal of Mines, Metals and Fuels	123-127
26	P.S.Das , T. Maity	May-Jun 2016	A novel approach for disaster prevention inside underground mines	Journal of Mines, Metals and Fuels	236-239
25	R. Mandal, T. Maity, S.K. Chaulya, G.M. Prasad, R.P.Verma	May-Jun 2016	Automation of underground coal mines using PLC	Journal of Mines, Metals and Fuels	174-180
24	V Bhaskar D, V Neti, T Maity, P Shunmugam	Sept 2016	Capacitor sharing two output series resonant inverter for induction cooking application	IET Power Electronics Vol. 9, Issue. 11	2240 – 2248
23	M. Ponnusamy and T. Maity	Jan, 2016	Recent Advancements in Dragline Control Systems	Journal of Mining Science vol.52, no.1	160-168
22	H.Prasad T. Maity	2016	Real-time Simulation for Performance Evaluation of Bidirectional Quasi Z-Source Inverter based Medium Voltage Drives	COMPEL: The international Journal for Computation and Mathematics in Electrical and Electronic Engineering Vol. 35, No. 3	1123 - 1135
21	H.Prasad T. Maity, V. R. Babu	2015	Recent developments in mine hoist drives	Journal of Mining Science vol.51, no.6	1057 - 1062

20	J. antony, D. S. Mathuria, T.S. Datta, and Tanmoy Maity	Dec 2015	Development of intelligent instruments with embedded HTTP servers for control and data acquisition in a cryogenic setup- The Hardware, Firmware and Software implementation	Review of Scientific Instruments (AIP) 86(2)	1250-031-38
19	Ananya Sarkar, P. P. Bhattacharya, Tanmoy Maity	Sept 2015	Performance Analysis of Stable Election Protocol for Clustered WSN	International Journal of Applied Engineering Research (IJAER) Vol 10, No 16	36730-34
18	V. R. Babu, T. Maity, and H. Prasad	2015	Energy Saving Techniques for Ventilation Fans Used in Underground Coal Mines – A Survey	Journal of Mining Science vol. 51 no. 5	233-240
17	P.S.Das , T. Maity	Sept 2015	Challenges inside underground mines and their prevention techniques	Disaster Advances , Vol. 8(9)	14-17
16	Hanuman Prasad Tanmoy Maity	Aug 2015	Modelling and Simulation of Trans Quasi Z-source Inverter as an automatic three phase power conditioner	Int J. of Power Electronics Vol. 7, No. ½	36-53
15	Hanuman Prasad Tanmoy Maity	Jul 2015	Z-Source Inverter Based Motor Drives for Industrial Medium Voltage Application,	Periodica Polytechnica Electrical Engineering and Computer Science, Vol. 59, No. 2	30-35
14	Y.S.Dohare T. Maity P.S.Das, P.S. Paul	Mar-April 2015	Wireless Communication & Environment Monitoring in Underground Coal Mines–Review	IETE Technical Review Vol 32(2) DOI 10.1080/02564602.2014.995142	140-150
13	Ananya Sarkar, P. P. Bhattacharya, Alok Kole, Tanmoy Maity	Nov 2014	Neural network Based Energy Efficiency Enhancement in Wireless Sensor Networks	International Journal of Applied Engineering Research (IJAER) Vol 9, No 22	11807-11818
12	H. Prasad, T. Maity, V.K.Singh	Nov 2014	A Simple Transformerless Buck-Boost Switching Voltage Regulator	Asian Power Electronics Journal, Vol. 8, No. 2	57-61
11	B. Sharma, I. Sarkar, T. Maity and P. P. Bhattacharya	2014	Comparative Study of DOA Estimation Algorithms	International Journal of Applied Engineering Research Vol. 9, No 24	26509-26515
10	Y.S.Dohare T. Maity P.S.Das, P.S. Paul	Aug 2014	A simple Wireless Real-time Environment Monitoring system for Safety of Underground Miners	Disaster Advances , Vol. 7(8)	82-88
9	Y.S.Dohare T. Maity P.S.Das, P.S. Paul	July Aug 2013	Low power low cost environment monitoring and control through zigbee in underground mines	Journal of Mines, Metals & Fuels, Vol 61, nos 7 & 8	283-286
8	Santosh Sonar Tanmoy Maity	May 2013	Single phase transformerless wide range ac boost voltage regulator based on z-source network	International Journal of Electrical Power and Energy Systems (Elsivier) 47 (2013)	193-197
7	Tanmoy Maity, D. Ghosh and C. R. Mahata.	April 2010	Effect of Dielectric Dispersion on Potentised Homeopathic Medicines	International Journal 'Homeopathy' (Elsevier). Vol 99(2)	99-103
6	T.Maity, S.Das, B.Datta	Jan 2009	A PC based Intelligent Wireless Energy Metering and Online Billing Solution for Domestic Consumers	The Institution of Engineers (India) Journal Vol. 89. (Electronics & Telecommunication)	8-12

5	Tanmoy Maity, A. Chatterjee S. Chandra.	August 2008	A Low-cost, PC Interfaced Multipurpose Temperature Controlling System	Sensors & Transducers Journal , Vol.95, Issue 8.	58-64
4	Tanmoy Maity, D. Ghosh and C. R. Mahata.	Nov 2007	Theory and Instrumentation related to Potentised Homoeopathic Medicines.	The Institution of Engineers (India) Journal. Vol. 88. (Interdisciplinary)	27 - 31
3	Tanmoy Maity, Avirup Ghosh, Surajit K Bhunia	Jan 2007	Four-Quadrant Converter Operations for a DC Motor from Personal Computer.	The Institution of Engineers (India) Journal Vol. 87. (Electronics & Telecommunication)	19-23
2	Tanmoy Maity, D. Ghosh and C. R. Mahata.	Oct, 2005	Effects of Dielectric Dispersion in Multiplier Chips.	International Journal of 'Solid State Electronics' (Elsevier). Vol. 49/10.	1649- 1654
1	Tanmoy Maity	Jan- March 2005	Training based Teaching-Learning Process – An approach towards Quality Technical Teaching	The Indian Journal of Technical Education (ISTE), Vol. 28. No. 1.	69-72
CONFERENCES					
65	A Chakraborty, T Maity	Dec 2022	A Hybrid Adaptive Filtering Algorithm based Control Strategy for LVRT Capability Enhancement of Grid-Connected DFIG-WECS,	2022 IEEE International Power and Renewable Energy Conference (IPRECON)	1-6
64	M Sharma, T Maity	Dec 2022	Ensembled Residual Network (ERN) for Gas-Hazard Prediction in the Underground Coal Mine	2022 International Conference on Smart Generation Computing, Communication	
63	I K Shah, Tanmoy Maity, Y S Dohare	Feb 2020	Weight Based Approach for Optimal Position of Base Station in Wireless Sensor Network	2020 International Conference on Inventive Computation Technologies (ICICT)	734-738
62	M Panda, D V Bhaskar, Tanmoy Maity	Dec 2019	A Novel Power Management Strategy for Hybrid AC/DC Microgrid	2019 IEEE 16th India Council International Conference (INDICON)	1-4
61	I K Shah, T Maity, Y Sh Dohare	April, 2019	Energy Harvesting by Detection of Bottleneck Node in Wireless Sensor Network	Proceedings of Recent Advances in Interdisciplinary Trends in Engineering & Applications (RAITEA)	
60	C Kumar, T Maity, KC Jana	2019	A Novel Single-Phase Multilevel Inverter Topology with Reduced Component Count	Proceeding of the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS)	489-497
59	S Rahaman, MAA Sheikh, A Kole, T Maity, CK Pradhan	2019	Automatic Geospatial Objects Classification from Satellite Images	Emerging Technologies in Data Mining and Information Security	107- 117
58	CK Pradhan, S Rahaman, MAA Sheikh, A Kole, T Maity	2019	EEG signal analysis using different clustering techniques	Emerging Technologies in Data Mining and Information Security	99-105
57	V R Babu, T Maity, G Ramesh	Feb 2019	Speed Control and Optimum Efficiency of Induction Motor Driven Ventilation Fan in Mines	IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)	
56	S Burman, T Maity	March 2018	Real-time performance analysis of a STATCOM-based automatic power factor maintenance system using xilinx system generator	4th International Conference on Recent Advances in Information Technology (RAIT)	1-6

55	M. Ponnusamy, T. Maity, M. Dharmaraj	March 2018	Dual Loop Controller for Active Front End Rectifier	Proc. IEEE Conference on Emerging Devices and Smart Systems (ICEDSS 2018) Tamilnadu	137-141
54	S K Biswas, C Kumar, Tanmoy Maity	March 2018	New single-phase multilevel inverter using less elements count	4th International Conference on Recent Advances in Information Technology (RAIT)	
53	J Antony, DS Mathuria, A Chaudhary, TS Datta, T Maity	Feb 2017	Design details of Intelligent Instruments for PLC-free Cryogenic measurements, control and data acquisition	IOP Conference Series: Materials Science and Engineering, Vol 171	
52	Tanmoy Maity; Hanuman Prasad	June 2017	Real-time performance evaluation of quasi z-source inverter for induction motor drives	IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh	844-849
51	Tanmoy Maity, Sushma Kakkar, R K Ahuja	Nov 2016	Control of standalone Wind/PV hybrid renewable power generation	IEEE 7th Power India International Conference (PIICON), Bikanir	1-5
50	Rajesh Kumar Ahuja ; Tanmoy Maity ; Sushma Kakkar	Nov 2016	Control of active and reactive power of grid connected inverter using adaptive network based fuzzy inference system (ANFIS)	IEEE 7th Power India International Conference (PIICON), Bikanir	1-5
49	Md. Abdul Alim Sheikh; Alok Koley; Tanmoy Maity	Oct 2016	Traffic sign detection and classification using colour feature and neural network	IEEE International Conference on Intelligent Control Power and Instrumentation (ICICPI), Kolkata, 2016	307-311
48	V. Ranjith Babu, Tanmoy Maity, and S. Burman	Oct 2016	Optimization of Energy Use for Mine Ventilation Fan with Variable Speed Drive	IEEE International Conference on Intelligent Control Power and Instrumentation (ICICPI), Kolkata, 2016	148-151
47	Hanuman Prasad and Tanmoy Maity	Oct 2016	FPGA-based Design and Implementation of DTC and Regenerative Braking Control of ZSI-fed an Induction Motor Drive	IEEE International Conference on Intelligent Control Power and Instrumentation (ICICPI), Kolkata, 2016	184-188
46	V. Ranjith Babu, Tanmoy Maity, and S. Burman	Feb 2016	Energy saving possibilities of mine ventilation fan using particle swarm optimization	IEEE International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT), 2016	676-681
45	Hanuman Prasad and Tanmoy Maity	October 2014	Study of Harmonics in Quasi Z-Source Inverter with different Control Switching Techniques	International Conference on Advances in Engineering and Technology (ICAET-2014), Jamshedpur	48-57
44	Hanuman Prasad and Tanmoy Maity	October 2015	Design of a Stable and Efficient Z-Source AC-AC Converter using Small Signal Analysis	IEEE Power, Communication and Information Technology Conference (PCITC-2015) Bhubaneswar, Orissa	190-194
43	V. Ranjith Babu, Tanmoy Maity and Hanuman Prasad	October 2015	Energy Saving Possibilities for Ventilation Fans in Underground Coal Mines	2 nd National Conference on Mining Equipment: New Technologies, Challenges and Applications (MENTCA 2015) Dhanbad	54-58
42	Hanuman Prasad, Tanmoy Maity and V. Ranjith Babu	October 2015	Study of the suitability of Quasi Z-Source Inverter for Mine Motor Drives	2 nd National Conference on Mining Equipment: New Technologies, Challenges and Applications (MENTCA 2015) Dhanbad	382-385
41	S. Burman, T. Maity	March 2016	A novel SIMULINK-based model for comprehensive analysis and comparison of different inverter PWM techniques	IEEE 3rd Int'l Conf. on Recent Advances in Information Technology RAIT-2016I, ISM, Dhanbad DOI 978-1-4799-8579-1/16	326-330

40	C. Kumar, B. Mahato, R. Raushan, T. Maity, K.C. Jana	March 2016	Comprehensive study of various configurations of three-phase Multilevel Inverter for different levels	IEEE 3rd Int'l Conf. on Recent Advances in Information Technology RAIT-2016I, ISM, Dhanbad	310-315
39	Y.S.Dohare T. Maity P.S. Paul, H. Prasad	March 2016	Smart Low Power Wireless Sensor Network for Underground Mine Environment Monitoring	IEEE 3rd Int'l Conf. on Recent Advances in Information Technology RAIT-2016, ISM, Dhanbad	112-116
38	V.Kumari D.V. Bhaskar N.Parida T. Maity	Feb 2015	Comparative Study of Multiple-output Series Resonant Inverters for IH Applications	IEEE International Conference on Circuit, Power and Computing Technologies [ICCPCT]	1-7
37	P.S.Das, T. Maity	March 2015	Design of a disaster management System for industrial zone like Underground mines	Proc. of Int. Conference on Computing, Communication, Electrical, Electronics, Devices and Signal Processing	255-257
36	T Maity, H. Prasad, V.R.Babu	Oct 2014	Study of the suitability of recently proposed Quasi Z-source Inverter for wind power conversion	3rd International Conference on Renewable Energy Research and Applications IEEE (ICRERA2014), Milwaukee, USA	837-841
35	Y.S.Dohare T. Maity P.S. Paul, P.S.Das	July 2014	Design of Surveillance and Safety System for underground coal mines based on Low Power WSN	IEEE 2014 International Conference on Signal Propagation and Computer Technology (ICSPCT), Ajmeer	116-119
34	D.V.Bhaskar, N.Yagnyaseni, N. Viswanathan, T. Maity	March 2014	Comparison of control methods for high frequency IH cooking applications	Power and Energy Systems Conference: Towards Sustainable Energy, 2014, Kolkata	1-6
33	H. Prasad, V. K. Singh, T Maity	March 2014	Transformer Less Voltage Regulator	IEEE International Conference on Green Computing, Communication and Electrical Energy (ICGCC'14), Coimbatore	1-5
32	V. K. Singh, H. Prasad, T Maity	March 2014	Small signal analysis of three phase z-source ac-ac converter	National Conf on Recent trends in Power Engineering NCRTPE-2014, Kolkata	7-10
31	H. Prasad, V. K. Singh, T Maity	March 2014	Stability analysis of Quasi-Z-Source buck-boost switching voltage regulators	National Conf on Recent trends in Power Engineering NCRTPE-2014, Kolkata	34-37
30	Santosh Sonar Tanmoy Maity	Dec 2013	Wind power conversion based on quasi-z source inverter	IEEE International Conference on Control, Automation, Robotics and Embedded Systems (CARE), 2013, Jabalpur, India	1-6
29	Santosh Sonar Tanmoy Maity	Dec 2012	A z-source single phase push-pull inverter	IET-India-Summit_2012Kolkata	92-95
28	Santosh Sonar Tanmoy Maity	Dec 2012	A new low cost single phase ac-ac power line conditioner	International Conference on Emerging Trends and Technology, ICETT 2012 Indore, India	284-289
27	Tanmoy Maity Santosh Sonar	April 2012	A new single phase to three phase buck-boost Converter cum Voltage Regulator suitable for Wind Power.	International Journal of Arts & Sciences (IJAS) conference, Vienna, Austria	VIE 78
26	Tanmoy Maity P. S. Das M. Mukherjee	March 2012	A wireless surveillance and safety system for mine workers based on zigbee	IEEE International conference on Recent advances in Information Technology, RAIT 2012, Dhanbad. (Vol I)	166-169
25	Santosh Sonar Tanmoy Maity	March 2012	Design and simulation of a novel single phase to three phase wind power converter	IEEE International conference on Recent advances in Information Technology, RAIT 2012, Dhanbad. (Vol II)	309-314
24	Tanmoy Maity P. S. Das	Jan 2012	A new mines data acquisition and safety system based on zigbee wireless sensor network	National seminar Mining Equipment-New Technologies, Challenges & Applications (MENTCA-2012), Dhanbad.	277-284

23	Santosh Sonar Tanmoy Maity	Dec 2011	Z-source Inverter based control of Wind Power	IEEE International conference of Energy, automation and signal. (ICEAS 2011), Bhubaneswar.	1 - 6
22	Tanmoy Maity	Dec 2011	Boosting inverters – z-source and hybrid types	Keynote speech at Second International Joint Conference on Advances in Engineering and Technology, AET 2011, Noida.	-
21	Tanmoy Maity Santosh Sonar	Nov 2011	Single phase Transformerless wide range ac boost voltage Regulator based on z-source network	National conf on 'Frontiers in electronics Communication and Instrumentation Technology" (FECIT2011), ISM, Dhanbad	INS-4
20	Santosh Sonar, Tanmoy Maity	Nov 2011	A z- network based new single phase push-pull inverter	National conf on 'Frontiers in electronics Communication and Instrumentation Technology" (FECIT2011), ISM, Dhanbad	INS-8
19	Tanmoy Maity P. S. Das	March 2011	A Novel Three phase Energy Meter Model with Wireless data reading and online Billing solution	IEEE Symposium On Computers & Informatics ISCI2011, Kualalumpur, Malaysia.	74-77
18	Tanmoy Maity P. S. Das	February 2011	Intelligent Online Measurement and Management of Energy Meter Data through Advanced Wireless Network	IEEE International Conference on Devices & Communications (ICDeCom-11), BIT, Ranchi.	1- 4
17	Sanjoy Mandal, Tanmoy Maity	Sept 2010	Modelling and analysis of Rotary oil well drilling system.	National Seminar on Drills & Drilling- an update, D&DU-2010, ISM, Dhanbad	207-211
16	Tanmoy Maity, Sanjoy Mandal, Manisha Minu	Sept 2010	Switch mode Power Supply for High Speed Drilling Electrical Discharge Machining Technology	National Seminar on Drills & Drilling- an update, D&DU-2010, ISM, Dhanbad	239-248
15	Tanmoy Maity	Jan 2010	Optimum performance study of a variable speed STATCOM excited cage Induction Generator	International Conference on Advances in Energy Conversion Technologies (ICAECT 2010), MIT, Manipal.	173-176
14	Sanjoy Mandal, Sudipta Mitra, Tanmoy Maity	Feb 2009	Introduction of A Wide FSR Double Ring-Resonator Performance as Optical Filter	National Seminar on Recent Advances on Information Technology (RAIT-2009), Indian School of Mines University, Dhanbad	534-538
13	Tanmoy Maity, D. Ghosh and C. R. Mahata.	Jan 2006	Dielectric dispersion of ordered molecular groups of sugar of milk caused by potentised Homoeo-Medicine.	93rd Indian Science Congress Hyderabad, January 3-7, 2006.	Abs-138
12	M. Mitra, P Jha, S. Biswas, T.Maity	Aug, 2005	Measurement and Control of Power Factor using 'C'	'National seminar on Recent advances in Power System and Power Electronics (RAPSPE-2005), IEE-CEMK, Aug , 2005.	95 - 100
11	S. Das, R. Mukherjee, S. Dey, B. Datta and T. Maity	Oct, 2005	A PC Based Intelligent Wireless Energy Metering System	'National conference on Energy Management in changing business scenario (EMCBS-2005), 8-9 Oct, 2005. , BITS, Pilani.	Abstrt-22
10	Tanmoy Maity	Feb 2005	Role of Software to select Electric Drive System in the perspectives of energy conservation.	Fifth International R & D Conference on 'Development and Management of Water and Energy Resources, 15-18 Feb 2005, Bangalore.	accepted
9	Tanmoy Maity, D. Ghosh and C. R. Mahata.	Jan 2005	Dielectric dispersion effects in Multiplier Chips.	International Conference on 'Energy, Information Technology and Power Sector' 'PEITSICON2005' –IEE, Science City, Kolkata, 28-29 Jan, 2005.	76- 78

8	Tanmoy Maity, A.Sutradhar, D.Ghosh, C.R,Mahata	Nov 2004	Anomalous Behaviour of Analog Multiplier Chips.	National Conference on Power, Signal Processing, Control [APSC 2004] –NIT, Rourkela, 16-17 Nov,2004.	99 - 102
7	Tanmoy Maity. S.N.Bhadra	Jan 2005	A Study on STATCOM Excited Variable Speed Squirrel Cage Induction Generator.	International Conference on 'Energy, Information Technology and Power Sector' 'PEITSICON2005' –IEE, Science City, Kolkata, 28-29 Jan, 2005.	254 -257.
6	Tanmoy Maity	Sept 2004	Training based teaching-learning process -an approach towards quality technical manpower development.	National Seminar on 'Technical Manpower planning in India.' 5-7 Sept 2004, NTMIS, JNTU, Hyderabad.	NS-08-002
5	Tanmoy Maity	Sept 2004	The collaborative role of Technical Institutions and manufacturing sectors in the challenging scenario of technical manpower planning.	National Seminar on 'Technical Manpower planning in India.' 5-7 Sept 2004, NTMIS, JNTU, Hyderabad.	NS-08-001
4	Tanmoy Maity	Sept 2004	The challenging role of Technical Education Sectors in India with the emergence of Knowledge Economy	Second International Conference on Knowledge Economy and Development of Science and Technology (KEST04), Beijing, China, 16-17 Sept, 2004	431--437
3	Tanmoy Maity	April 2004	The future of Technical Education in India under the perspectives of Knowledge Economy	National Seminar on 'Technical Manpower Development and Utilization' National Institute of Technology, Rourkela, April 15-16, 2004.	397- 403
2	Tanmoy Maity, Avirup Ghosh, Surajit K Bhunia	Dec. 2003	An interactive PC based chopper control DC motor	27th national system conference (NSC2003) IIT, Kharagpur	406-409
1	Tanmoy Maity, C.R,Mahata	July 2003	Instrumentation for acoustic vibration of ordered molecular groups.	National Conference 'Concourse 2003' Chennai.	113- 116