

Conference Publications 2021

SL No	Authors	Title of the Publications	Details of the Conferences	Venue of the Conferences	Volume & Page Nos.	National/ International	Month	Month, Year	Uploaded file link
1	K. Gupta, S. Sahoo, R. Mohanty, B. K. Panigrahi and F. Blaabjerg	Decentralized Anomaly Characterization Certificates in Cyber-Physical Power Electronics Based Power Systems	2021 IEEE 22nd Workshop on Control and Modelling of Power Electronics (COMPEL)	Cartagena, Colombia		International	November	November, 2021	
2	R. Mohanty and A. K. Pradhan	Fast and Sensitive Time-domain Protection of Shunt Capacitor Banks	9th International Conference on Power System (ICPS)	IIT Kharagpur, India		International	December	December, 2021	
3	Pranav Anand P, Pradyumna Parshi, Vishesh Jain, Swastik Bhattacharya, Arnab Mukhopadhyay, S. Kanungo	A First Principle Based Investigation on the Effects of Stacking Configuration and Biaxial Strain on the Electronic Properties of Bilayer MoS ₂	International Symposium on Devices, Circuits and Systems, March. 3-5 (2021)	Hiroshima, Japan		International	March	March. 3-5 2021	
4	Prathamesh Saraf, R. N. Ponnalagu	Modeling and Simulation of a Point to Point Spherical Articulated Manipulator using Optimal Control	International Conference on Automation, Robotics and Applications (ICARA 2021)	Prague, Czech republic		International	February	Feb 4-6 2021	
5	Arun Mohan, Saroj Mondal	Challenges in Adoption of RF to DC Converter for Micro-Scale RF Energy Harvesting Systems	2021 34th International Conference on VLSI Design and 2021 20th International Conference on Embedded Systems (VLSID), Guwahati, Feb. 2021	IIT Guwahati	35-40	International	February	Feb 20 - 24, 2021	https://ieeexplore.ieee.org/abstract/document/9407342
6	H.P Shrimathi and Mithun Mondal	Electric Field and Potential Distribution Evaluation of Environmentally Polluted 11 kV Polymeric Outdoor Insulators	1st International Conference on Power Electronics and Energy (IEEE-ICPEE)	KIIT Bhubaneswar		International	January	Jan 2-3, 2021	
7	H.P Shrimathi and Mithun Mondal	Investigation of Uniform and Non-Uniform Water Droplets on Different Configurations of Silicon Rubber Composite Insulators Subjected to AC Electric Field Stress	3rd International Conference on Energy, Power and Environment (IEEE-ICEPE)	NIT Shillong		International	March	March 5-7, 2021	
8	Venkateswaran Rajagopalan and Erik P Pioro	Brain Degeneration in ALS vs ALS-FTD is Not on a Continuum as Revealed by MRI White Matter Graph Theory Network Analysis	American Academy of Neurology 2021	San Francisco, USA		International	April	April 17-22, 2021	
9	Abhishek Varshney, Renuka Loka, Alivelu M. Parimi	Fast Frequency Response Using Model Predictive Control For A Hybrid Power System	9th IEEE International Conference on Smart Energy Grid Engineering. (SEGE 2021)	Ontario Tech University, Oshawa, Canada		International	August	August 11-13, 2021	
10	Nihal Singh, Jay Karhade, Ishika Bhattacharya, Prathamesh Saraf, Plava Kattamuri, Alivelu Manga Parimi	On-board Electrical, Electronics and Pose Estimation System for Hyperloop Pod Design	7th International Conference on Control, Automation and Robotics (ICCAR 2021)	Singapore		International	April	April 23-26, 2021	
11	Arun Mohan, Saroj Mondal, Anamiya Bhattachariya	A Micro-strip Antenna for Dual Band Energy Harvesting Applications	4th Edition of International Conference on Communications and Cyber-Physical Engineering	Hyderabad		International	April	April 10, 2021	
12	P. Priyalatha, and Runa Kumari,	Low Insertion Loss Compact Quadrature Coupler for Conformal Space Applications	IEEE International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT 2021)	Bhilai, Chhattisgarh, India		International	February	19-20 Feb. 2021.	
13	B K Samanta, A Kar, S Chanda, Ankur Bhattacharjee	Design of DC-DC converter-based interfacing for Vanadium Redox Flow Battery	IEEE International Conference on "Innovations in Energy Management and Renewable Resources" (IEMRE 2021)	Kolkata		International	February	6-7th Feb. 2021	
14	Abhishek Varshney, Renuka Loka, Alivelu M. Parimi,	Fast Frequency Response Using Model Predictive Control For A Hybrid Power System	9th IEEE International Conference on Smart Energy Grid Engineering. (SEGE 2021)	Ontario Tech University, Oshawa, Canada		International	August	August 11-13, 2021	
15	Thippana Charan and Alivelu Manga Parimi,	Effective Application of Series FACTS Devices in Industrial 415V Distribution Networks	The IEEE International Conference on Intelligent Technologies (CONIT 2021)	Hubbali, Karnataka, India		National	June	25-27th June 2021	
16	Nihal Singh, Jay Karhade, Ishika Bhattacharya, Prathamesh Saraf, Plava Kattamuri, Alivelu Manga Parimi,	On-board Electrical, Electronics and Pose Estimation System for Hyperloop Pod Design	7th International Conference on Control, Automation and Robotics (ICCAR 2021) Singapore	Singapore		International	April	April 23-26, 2021, Accepted	
17	T. HariPriya; Alivelu M. Parimi	A Novel Topology for Integrating Wind and Solar Farms to High Voltage DC Grid with FRT Protection	IEEE International Conference on Sustainable Energy and Future Electric transportation (SEFET)	Virtual Conference, India		National	January	Jan 21-23rd 2021,	
18	Naveen Bokka, Jay Karhade and Parikshit Sahatiya	A Water Soluble Micro patterned MoS ₂ QDs/PVA film as a Transient Pressure Sensor	IEEE Conference on Nanotechnology (IEEE NANO) 2021	Virtual Conference		International	July	July 28 - 30th 2021	

19	Venkatarao Selamneni and Parikshit Sahatiya	Stacked 1D Tellurium Nanowires/Paper based Pressure Sensor with Laser Assisted Patterned PDMS Encapsulation	IEEE International Flexible Electronics Technology Conference (IEEE IFETC 2021)	Virtual Conference		International	August	Aug 8- 11th 2021	
20	Samit Kumar Ghosh, Rajesh Kumar Tripathy, R N Ponnalagu	Classification of PCG Signals using Fourier-based Synchrosqueezing Transform and Support Vector Machine	IEEE Sensors Conference 2021	Virtual Conference		International	October	Oct 31- Nov 4 2021 (accepted)	
21	Sharvani Gadgil and Chetan Vudadha	"Design of CNFET-based Low-Power Ternary Sequential Logic circuits"	IEEE Conference on Nanotechnology (IEEE NANO) 2021	Virtual Conference		International	July	July 28 - 30th 2021	
22	Sohan Dudala, Monica Singh, Madhusdhan B. Kulkarni, Ruchi Jain Dey, Satish K. Dubey and Sanket Goel	Portable Temperature Management System for Microfluidics based Isothermal Nucleic Acid Amplification	The 34th IEEE International Conference on Micro Electro Mechanical Systems MEMS 2021	Virtual Conference		International	January	25-29 January 2021	
23	Pavar Sai Kumar, Khush Gohel, Sanket Goel	Graphenized Papertronic Devices using Blue Laser ablated Polyamide Resin Paper	16th IEEE Nanotechnology Materials and Devices Conference (IEEE NMDC 2021)	Virtual Conference		International	December	December 12-15, 2021	
24	Jayapiriya U S and Sanket Goel	3D printed Mxene enhanced Electrodes	16th IEEE Nanotechnology Materials and Devices Conference (IEEE NMDC 2021)	Virtual Conference		International	December	December 12-15, 2021	
25	Avinash Kothuru and Sanket Goel	Laser Induced Graphene: Paper and Cloth Based Flexible Electronics	IEEE International Flexible Electronics Technology Conference (IEEE IFETC 2021)	Virtual Conference		International	August	Aug 8- 11th 2021	
26	H. Renuka and Sanket Goel	A Study on the effect of Cr doping on the Structural, Optical and Photovoltaic Properties of BFO based Heterostructures	48th IEEE Photovoltaics Specialist Conference, June 20-25, 2021	Virtual Conference		International	June	June 20-25th, 2021	
27	H.P. Shrimathi and Mithun Mondal	Electroquasistatic Simulations of Wet-Dry Band Polymeric Insulator With Different Field Grading ZnO Microvaristor Designs	5th International Conference on Condition Assessment Techniques in Electrical Systems (IEEE-CATCON)	Virtual Conference		International	December	December 3-5th, 2021	
28	Dig Vijay Singh, Rahul Ajmeria, Rishabh Singh, Manik Gupta and R. N. Ponnalagu	DAWSSM: A plug-and-play Drone Assisted Water Sampling and Sensing Module	47 th Annual Conference of the IEEE Industrial Electronics society IECON 2021	Virtual Conference		International	October	October 13 to 16 2021	
29	H.P. Shrimathi and Mithun Mondal	Electric Stress Minimization in Outdoor Contaminated Polymeric Insulators Using an Appropriate Field Grading Material	2021 IEEE 18th India Council International Conference (INDICON)	IIT Guwahati		International	December	December 19-21, 2021	
30	Anil Kumar and Syed Ershad Ahmed	Approximate Multiplier Architectures for Error Resilient Applications	2021 IEEE International Symposium on Smart Electronic Systems	MNIT, Jaipur		International	December	20-22 December 2021	
31	Anil Kumar and Syed Ershad Ahmed	Power Efficient MLOA for Error Resilient Applications	2021 IEEE International Symposium on Smart Electronic Systems	MNIT, Jaipur		International	December	20-22 December 2021	
32	Anil Kumar and Syed Ershad Ahmed	Lower part OR Based Approximate Multiplier for Error Resilient Applications	2021 IEEE International Symposium on Smart Electronic Systems	MNIT, Jaipur		International	December	20-22 December 2021	
33	Jitesh Choudhary, Soumya J., and Linga Reddy Cenkeramaddi	RAMAN: Reinforcement Learning Inspired Algorithm for Mapping Applications onto Mesh NoC	23rd ACM/IEEE International Workshop on System-Level Interconnect Pathfinding (SLIP)	Virtual Conference		International	November	Nov 2021	
34	M. K. Aparna Nair, P. Veda Bhanu, J. Soumya and L. Reddy Cenkeramaddi	Architectural Implementation of a Reconfigurable NoC Design for Multi-Applications	24th Euromicro Conference on Digital System Design (DSD)	Virtual Conference	139-142	International	September	Sept 1-3, 2021	
35	Aparna Nair M K, Police Manoj Kumar Reddy, Abijith Y.L., Venkatesh Rajagopalan, and Soumya J	Hardware Implementation of Network Interface Architecture for RISC-V based NoC-MPSoC Framework	35th International Conference on VLSI Design and 2022 21st International Conference on Embedded Systems (VLSID)	Virtual Conference		International		Feb 26-Mar 2, 2022	
36	Anil Kumar, Ratna Kumari Chintakunta, Sandeep Kumar, K Jamal and Syed Ershad Ahmed	Approximate Multiplier Architectures for Error Resilient Applications	7th IEEE International Symposium on Smart Electronic Systems (iSES), 20-22 December 2021, MNIT Jaipur, Jaipur, India.	Virtual Conference		International		20-22 December 2021	