Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam 603110

(An Autonomous Institution, Affiliated to Anna University)

Department of Electrical and Electronics Engineering

1st Virtual International Conference on Renewable Energy Systems (ICRES2020), Aug 26 - 28, 2020

Day 1 (Aug 26, 2020 - Wednesday)					
Session 1A		Session Chairs		Google Meet Link	
11.15 a.m. - 12.45 p.m.		Dr. V. Jamuna, Professor & Head/EIE, Jerusalem College of Engineering, Chennai Dr. N. B. Muthuselvan, Associate Professor/EEE, SSNCE		meet.google.com/mas-ngye-dnq	
S. No.	Paper ID	Paper Title	Corresponding Author	Email id	Registered Co-Author(s)	E-mail Id: Co author(s) registered
1	28	Simulation and Analysis of Controllers for Bridgeless Interleaved AC-DC SEPIC PFC Converter	SASIKALA RAJAGOPAL	sasi.ped@gmail.com		
2	35	High Gain Converters based on Coupled Inductors and Gain Extension Cells	Prabhakar M	prabhakar.m@vit.ac.in		
3	45	Stability Characteristics of Photovoltaic system using SVC Controllers	P Aruna Jeyanthy	arunadarwin@gmail.com	S Raja Mohamed	srmohamed76@gmail.com
4	48	Comparative analysis of CHB and CSD Multilevel Inverter	Meera vali Pathan	pathanmeeravali@gmail.com	Kesana Gopi Krishna	gopi52@gmail.com
5	74	Design, Analysis and Implementation of Four Phase Interleaved Boost Converter for Fuel Cells	Tamilarasi M Manikandan	tamilarasi_1979@yahoo.com		
6	78	Reliability Examination of Single-phase Quasi Z-source Inverter for PV Applications	Madhumitha S	madhumitha18086@cse.ssn.edu.in	R.Sudiksha, Dr.R.Seyezhai, Dr.D.Umarani, Dr.R.Sujatha	sudiksha183001104@eee.ssn.edu.in, seyezhair@ssn.edu.in, umaranid@ssn.edu.in, sujathar@ssn.edu.in

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Day 1 (Aug 26, 2020 - Wednesday)					
Session 1B		**Session Chairs**		**Google Meet Link**	
01.30 p.m. - 03.00 p.m.		**Dr. A. Inba Rexy,** Vice-Principal, Loyola ICAM College of Engineering & Technology, Chennai **Dr. Alagu Dheeraj,** Associate Professor/EEE, SSNCE		**meet.google.com/ooy-wsfr-ijq**	
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	9	Intelligent Stand-Alone Solar PV Enabled Rainwater Harvester and Power Generator	Sibi Rajagopal Sivakumar	sibisivakumar3@gmail.com	Sharath T V, Khaja Najumudeen A, Rajesh Kanna R.	sharath26.1998@gmail.com, kaja.najumudeen06@gmail.com, hicetrajeshkanna@gmail.com .
2	18	Speed Control of SEPIC Converter Based Induction Motor Drive System	Meena Devi R	devimalathi2011@gmail.com		
3	36	Single-Phase Earth Fault Protection Scheme for Radial Distribution System	Jancy D	jancyd14.jr@gmail.com		
4	42	A Focus on Power Systems Congestion Management - A Primitive Review of the Literature	Aravindhan K	thikshan44@gmail.com		
5	69	Review on Fuzzy Logic and Artificial Neural Network Based MPPT Algorithm to Improve Photovoltaic System Efficiency	Ramya Guru	ramyag.sse@saveetha.com		
6	72	Examination and Analysis of Supply Current Control Strategies for Boost-Flyback PFC Converters	Anto Sheeba J	antosheeba.j@rajalakshmi.edu.in	Dr.R.Seyezhai	seyezhair@ssn.edu.in

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Day 2 (Aug 27, 2020 - Thursday)					
Session 2A		**Session Chairs**		**Google Meet Link**	
10.30 a.m. - 12.00 noon		**Dr. K. Krishnakumar,** Associate Professor/EEE, St. Joseph's College of Engineering, Kanchipuram **Dr. R. Rengaraj,** Associate Professor/EEE, SSNCE **Dr. R. Leo,** Associate Professor/EEE, SSNCE		**meet.google.com/vaj-ktzc-swx**	
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	19	Human vertebral spine segmentation using particle swarm optimization algorithm	Valarmathi G	Valarmathi.ece@sairamit.edu.in		
2	22	Smart Warehouse Management System	Sai Chitti Subrahmanyam V	saichitti1919@gmail.com	Vasantha Raman A, Sharrik Krishna S L, Sitharthan I, Shaheen Basha S, Prabavathy Balasundaram, Angel Deborah S,	vasantharaman003@gmail.com sharrikvk18@gmail.com imsidhu.roxx@gmail.com shaheen.shahid100@gmail.com prabavathyb@ssn.edu.in angeldeborahs@ssn.edu.in
3	23	Solar Based Water Purification System for Urban Areas : A Case Study	Parthsarathi A Mulay	parthsarathim16.elec@coep.ac.in	Twinkle Rane , Namrata Kala	ranets16.elec@coep.ac.in , namratadk16.elec@coep.ac.in
4	59	The Hybrid Electric Vehicle (HEV) – An Overview	Fantin Irudaya Raj E	fantinraj@gmail.com	M. Appadurai	appadurai86@gmail.com
5	61	Exploring the role of lactic acid pretreatment in the saccharification of Guinea biomass waste	GEETHA VALLIAMMAI MEYYAPPAN	geethavalliammai@gmail.com		
6	64	Resilent energy storage and renewables based Microgrids	Kalpana Shanmugam	kalpana.shanmugam@gmail.com		

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Day 2 (Aug 27, 2020 - Thursday)						
Session 2B			**Session Chairs**		**Google Meet Link**	
03.00 p.m. - 04.30 p.m.			**Dr. C. Kamala Kannan,** Professor/EEE, Rajalakshmi Engineering College, Thandalam **Dr. M. Venmathi,** Associate Professor/EEE, St. Joseph's College of Engineering, Kanchipuram **Dr. U. Shajith Ali,** Associate Professor/EEE,SSNCE		**meet.google.com/vaj-ktzc-swx**	
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	14	Electric Traction over Head Equipment Protection Using Intelligent Electronic Device	Dinesh Babu Nagalingam	dineshbabu.nagalingam@megger.com		
2	34	Optimization Techniques of Two Phase Level Converter Ally with Photovoltaic System and Particle Swarm Scheme for Renewable Energy Systems	Dr. Mrunal Despande	mrunald@ssn.edu.in	Dr. MRUNAL DESHPANDE	felshirajan@gmail.com
3	37	Optimization of Specific Energy of Flywheel Using Differential Evolution and ANSYS Magnetic Software for Composite Material	Ramaprabha R	ramaprabhar@ssn.edu.in	Dr.M.Balaji	balajim@ssn.edu.in
4	57	Comparison of Radial Flux PMSM and Axial Flux PMSM for hybrid electric tracked vehicles	Dr.Lenin N C	lenin.nc@vit.ac.in	VIGNESHWAR S T	vigneshwarst@gmail.com
5	60	Super twisting algorithm based sliding mode control of SMES for frequency control in wind penetrated power system	Zahid Afzal Thoker	thokerzahid_10phd17@nitsri.net		
6	68	IoT Based Advanced Home Automation Using Raspberry Pi	Leo Raju	leor@ssn.edu.in		

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Day 2 (Aug 27, 2020 - Thursday)					
Session 2C		**Session Chairs**		**Google Meet Link**	
03.00 p.m. - 04.30 p.m.		**Mr. Ganesh Nagarajan,** Director & Country Manager, e-Propelled systems Private Limited, SSN Incubation Centre **Dr. V. S. Nagarajan,** Associate Professor/EEE, SSNCE		**meet.google.com/xfk-qaxr-rsz**	
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	39	Evolution and Recent Advancements in Electric Vehicle (EV) Technology	vasanprabhu V	vasanprabhu@gmail.com	arunap.eee@aiht.ac.in	arunap.eee@aiht.ac.in
2	70	Design and Implementation of Boost Buck DC-DC Converter for Battery Charging Application	Sowmya A	sowmyaadi08@gmail.com	S.Harika, S.Purushothaman, N.Ramakrishnan	sriharkal@gmail.com, prushothkumar11@gmail.com, nramakrishnan3009@gmail.com
3	73	Investigation on Single Stage Electrolytic Capacitor less AC-DC LED Driver	Sridhar S	sridharsrinivasan2000@gmail.com	M.Sridhar, S.Srikirthi, S.Swetha,Dr.R.Seyezhai	sridhar.makkapati2@gmail.com, srikirthi17110@eee.ssn.edu.in , swetha17118@eee.ssn.edu.in, seyezhair@ssn.edu.in
4	56	Spoke Type and Surface Mounted BLDC Motor for Automotive Applications- A Brief Comparison	Lenin N C	lenin.nc@vit.ac.in		
5	63	Modeling and Simulation of Solar Photovoltaic Array using MatLab	Vagish Kumar	T18127@students.iitmandi.ac.in		
6	77	Design and Implementation of Fuzzy Logic Controller Based Boost Converter with Fuel Cell Application	Vimalraj M	vimalrajmp@yahoo.com		

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Day 3 (Aug 28, 2020 - Friday)					
Session 3A			**Session Chairs**		**Google Meet Link**
11.30 a.m. - 01.00 p.m.			**Dr. M. Prabhakar,** Professor, SELECT, VIT, Chennai **Dr. V. Rajini,** Professor/EEE, SSNCE		**meet.google.com/bzj-azbd-ret**
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	11	Improvement of Power System Stability and Power Quality of Artificial Intelligent based Grid connected PV System using Cascaded Multilevel Inverter	Mahendravarman Ilangovan	89.mahe@gmail.com	Dr.M. Venkateshkumar	m_venkateshkumar@ch.amrita.edu
2	12	Power Quality enhancement in Single stage Non-inverted output Bridgeless Buck-Boost converter	S.Joe magellah	smurali@mepcoeng.ac.in	Dr.J.Gnanavadivel Dr.S.Muralidharan	jgvadivel@gmail.com
3	40	Electromagnetic performance and Thermal analysis of Reluctance Synchronous and Magnet assisted Reluctance Synchronous motors for industrial pump application	Nagarajan V S	nagarajanvs@ssn.edu.in		
4	46	Stabilization of integrated P-V system using SMES	ABHILASH N M	nm.abhi2@gmail.com	ANILKUMAR DAHIYA	nmabhilah93@gmail.com
5	50	Protection of PMSG based Wind Turbine Under Grid Fault Conditions	Yamini Vijayan	yaminivijayan97@gmail.com		
6	58	Comparative study for the estimation of the rays of sun incident on inclined plane and flat plane by isotropic and anisotropic sky models for Vadodara, Gujrat	Sriparna Das	dassriparna97@gmail.com		

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Day 3 (Aug 28, 2020 - Friday)						
Session 3B			**Session Chairs**		**Google Meet Link**	
01.30 p.m. - 03.00 p.m.			Dr. D. Sattianadan, Associate Professor/EEE, SRM Institute of Science & Technology, Kattankulathur Dr. V. Thiyagarajan, Associate Professor/EEE, SSNCE		meet.google.com/zza-pgex-zrx	
S. No.	Paper ID	Paper Title	Corresponding Author	Email id	Registered Co-Author(s)	E-mail Id: Co author(s) registered
1	17	Software Based Control of Electric Bike	SESA BALAJI D G	gomapraba95@gmail.com		
2	21	Battery Safety Enhancement in Electric Vehicles - A Review Paper	Vijaya Saraswathi R J Jayakumar	vijayasaraswathi.jayakumar@gmail.com	Dr. V. Vasan Prabhu	vasanprabhu@gmail.com
3	27	Performance Evaluation of Fast Charging DC-DC Converter for Electrical Vehicle with Root Locus based Digital Controller	Balakrishna Nallamothu	nbk6868@gmail.com	Dr. B. Santhana Krishnan, Dr. Ravindra Janga	ramyasugan@rediffmail.com, ravindrajanga@gmail.com
4	41	Analysis of Novel Battery Charger for Electric Vehicle	Oviya R	agaloviya@gmail.com	P. Vidhya	vidhyasathyagan@gmail.com
5	44	High Voltage Electric Water Pump for the Application of Electric Vehicle - Modeling, Design and Analysis	Lenin N C	lenin.nc@vit.ac.in		
6	51	Charging and discharging characterization of a community electric vehicle batteries	suganthi indu	suganthi.d2019@vitstudent.ac.in	Dr.Jamuna.K	jamuna.k@vit.ac.in

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Day 3 (Aug 28, 2020 - Friday)					
Session 3C		**Session Chairs**		**Google Meet Link**	
01.30 p.m. - 03.00 p.m.		**Dr. Mrunal Deshpande,** Associate Professor/EEE, SSNCE **Dr. G. R. Venkatakrishnan,** Associate Professor/EEE, SSNCE		**meet.google.com/yrm-ohxz-wry**	
S. No.	**Paper ID**	**Paper Title**	**Corresponding Author**	**Email id**	**Registered Co-Author(s)**	**E-mail Id: Co author(s) registered**
1	65	Assistive Technology in Medical Field Using Augmented Reality	Shanmugapriya M	shanmu1601@gmail.com	T.TamilSelvi,M.Shanmugapriya,P.Christy Melodia Daisy ,S.Saiprabha	tamilselvi.ei@sairam.edu.in,shanmu1601@gmail.com,melodaisy82@gmail.com,saiprabhasukumar19@gmail.com
2	20	Performance analysis of Luo and KY converter for PV applications	Elavarasu Ramalingam	elava3000@gmail.com		
3	81	Small Signal Stability Analysis of Multimachine System With DFIG Based Wind Turbine	V. Thiyagarajan	thiyagarajanv@ssn.edu.in		
4	82	A New Reduced Switch Count Asymmetric 75-Level Inverter Topology	V. Thiyagarajan	thiyagarajanv@ssn.edu.in		
5	62	PMBLDC Motor Design and Analysis for Automotive Applications	N.C. Lenin & R.Ruthra Prakashini	rruthra.prakashini2018@vitstudent.ac.in		
6	52	Intelligent monitoring and control of fuel cell on an IoT –Cloud platform	SETHUSUBRAMANIAN C	csethusubramanian@gmail.com	Vignesh Poopathy M., Dr. V. Chamundeeswari	vigneshboopathy98@gmail.com, chamuvins@gmail.com