Dr. S. Charles Raja

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Smart Grid ,Demand Side Management,Power System Restructuring,Power System

Optimization, Artificial Intelligent Applications.

TITLE	YEAR
Parameter Optimisation of FACTS using Cuckoo Search Algorithm for ATC	
Enhancement in Restructured Power Systems.	2020
K Bavithra, K S.Charles Raja, Anadhakumar, R Latha	2020
International Energy Journal 18 (2A)	
Energy Management of Hybrid Energy Storage System in PHEV With Various Driving	
Mode	2020
SA Mozhi, SC Raja, M Saravanan, JJD Nesamalar	2020
Artificial Intelligent Techniques for Electric and Hybrid Electric Vehicles	
Cost effective energy consumption in a residential building by implementing demand side	
management in the presence of different classes of power loads	2020
GR Hemanth, S Charles Raja, J Jeslin Drusila Nesamalar,	2020
Advances in Building Energy Research, 1-26	
Enhanced Learning through Blended IC and DCN Strategies in C Programming for Non-	
Computer Science Students	2020
RR Prakash, SC Raja, D Kavitha, S Baskar	2020
Journal of Engineering Education Transformations 33, 541-544	
Identification of Opinion Difference in Teaching Learning Methods and Recommendation	
to Faculty	2020
D Anitha, D Kavitha, RR Prakash, SC Raja	2020
Journal of Engineering Education Transformations 33, 421-424	
ABC algorithm for estimation of dynamic parameters in radial power system transfer path	
J Jeha, SC Raja	2020
International Journal of Operational Research 38 (4), 544-569	
Application of TCSC to Congestion Management Problem In Deregulated Power System	
CP S.Prakash, S. Charles Raja, J. JeslinDrusila Nesamalar	2019
International Conference on Advanced Technologies in Electrical Engineering	
Smart Grid Initiative in Institutions	
DJJDN Dr.S.Charles Raja, T.Karthick, Dr.P.Venkatesh	2019
International Conference on Advanced Technologies in Electrical Engineering	
Demand Side Management in Smart Grid Infrastructure using K - means Algorithm	2019

TITLE	YEAR
JJDN Akilandeswari, S. Charles Raja, T.Karthick	
International Conference on Advanced Technologies in Electrical Engineering	
Energy Management of Hybrid Energy Storage System in Plug-In Hybrid Electric Vehicle	
JJDN S. Arunmozhi, S. Charles Raja, M.Saravanan	2019
International Conference on Advanced Technologies in Electrical Engineering	
Smart Reconfiguration Technique For Loss Minimization In Radial Distribution System	
V Dr.S.Charles Raja	2019
International Conference on Advanced Technologies in Electrical Engineering	
Reliability Enhancement of Small and Medium Distribution System with Renewable	
Generations and Reclosers	2010
JS Kumar, P Venkatesh, SC Raja, JJD Nesamalar, C Palanichamy	2018
2018 20th National Power Systems Conference (NPSC), 1-6	
Hybrid renewable energy-based distribution system for seasonal load variations	
J Senthil kumar, S Charles Raja, D Srinivasan, P Venkatesh	2018
International Journal of Energy Research 42 (3), 1066-1087	
Smart utilization of renewable energy sources in a microgrid system integrated with plug-	
in hybrid electric vehicles	2018
S Suganya, S Charles Raja, D Srinivasan, P Venkatesh	2018
International Journal of Energy Research 42 (3), 1210-1224	
Neural Network Based Demand Side Management Using Load Shifting	
GR Hemanth, SC Raja, S Suganya, P Venkatesh	2018
2018 National Power Engineering Conference (NPEC), 1-9	
Economic scheduling of Plug-In Hybrid Electric Vehicle considering various travel	
patterns	2018
AA Preethi, JJD Nesamalar, S Suganya, SC Raja	2016
2018 National Power Engineering Conference (NPEC), 1-7	
A Paradigm shift from BCN to DCN strategy for effective knowledge transfer in	
foundation courses	2018
RR Prakash, SC Raja, D Kavitha, S Baskar	2010
Journal of Engineering Education Transformations	
Smart management of distinct plug-in hybrid electric vehicle charging stations	
considering mobility pattern and site characteristics	2017
S Suganya, S Charles Raja, P Venkatesh	2017
International Journal of Energy Research 41 (14), 2268-2281	
Simultaneous coordination of distinct plug-in Hybrid Electric Vehicle charging stations: A	
modified Particle Swarm Optimization approach	2017
S Suganya, SC Raja, P Venkatesh	
Energy 138, 92-102	

TITLE	YEAR
The drive of renewable energy in Tamilnadu: Status, barriers and future prospect	
JJD Nesamalar, P Venkatesh, SC Raja	2017
Renewable and Sustainable Energy Reviews 73, 115-124	
Design of photovoltaic based battery charger using sliding mode MPPT control	
JJ Jemima, SC Raja	2017
2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-7	
Distributed generator and reclosers placement in distribution system with reliability	
consideration	2017
GS Priya, JS Kumar, SC Raja, P Venkatesh	2017
2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-7	
Mitigation of voltage disturbances using fuzzy logic controller in a grid connected DFIG	
for different types of fault	•••
S Kalaivani, T Karthick, SC Raja, P Venkatesh	2017
2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-7	
Enhancement of available transfer capability using TCSC devices in deregulated power	
market	2015
MM Karthiga, SC Raja, P Venkatesh	2017
2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-7	
Optimal Setting of FACTS Devices using Particle Swarm Optimization for ATC	
Enhancement in Deregulated Power System	2016
K Bavithra, SC Raja, P Venkatesh	2016
IFAC-PapersOnLine 49 (1), 450-455	
Managing multi-line power congestion by using Hybrid Nelder-Mead-Fuzzy Adaptive	
Particle Swarm Optimization (HNM-FAPSO)	2016
JJD Nesamalar, P Venkatesh, SC Raja	2016
Applied Soft Computing 43, 222-234	
Energy management by generator rescheduling in congestive deregulated power system	
JJD Nesamalar, P Venkatesh, SC Raja	2016
Applied Energy 171, 357-371	
ATC enhancement by incorporating FACTS devices for deregulating scenario in present	
power market	2016
JJD Nesamalar, K Bavithra, SC Raja, P Venkatesh	2016
Power Research 12 (1), 1-12	
Optimal Utilization of Renewable Energy Sources for Congestion Management	
JJD Nesamalar, P Venkatesh, SC Raja	2015
IFAC-PapersOnLine 48 (30), 264-269	
Automation of regenerative compressor cooling system using microcontroller	2015
G Kirthika, SC Raja	

TITLE	YEAR
2015 International Conference on Circuits, Power and Computing Technologies	
Modernization of lignite feeder control system using microcontroller with multidrop	
mode	2015
R Manochitra, SC Raja	2015
2015 International Conference on Circuits, Power and Computing Technologies	
A novel method of relieving congestion in hybrid deregulated market utilizing renewable energy sources 2	
JJD NESAMALAR, P VENKATESH, SC RAJA	2015
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES	
Design of ANFIS Controller for Power System Stability Enhancement Using FACTS	
Device	
GYS Varshini, SC Raja, P Venkatesh	2015
Power Electronics and Renewable Energy Systems, 1163-1171	
Power Quality Improvement in a Wind Farm Connected to Grid Using FACTS Device	
CK Subasri, SC Raja, P Venkatesh	2015
Power Electronics and Renewable Energy Systems, 1203-1212	
Allocation of Transaction Cost to Market Participants Using an Analytical Method in	
Deregulated Market	2014
S Jeyasankari, JJD Nesamalar, SC Raja, P Venkatesh	2014
Journal of The Institution of Engineers (India): Series B 95 (2), 83-90	
Transaction charges allocation using sensitivity factor methodology	
SC Raja, J JESLIN DRUSILA NESAMALAR, P VENKATESH	2014
SADHANA - Academy Proceedings in Engineering Sciences 39 (2), 377–390	