Dr.S.Latha

✓ sleee@tce.edu (mailto:sleee@tce.edu)

Educational Qualification			
DEGREE	BRANCH	INSTITUTE	YEAR
B.E	EEE	Thiagarajar College of Engineering	1986
M.E	Power systems	Thiagarajar College of Engineering	1987
Ph.d	EEE	Thiagarajar College of Engineering	2007

Experience			
PERIOD	NO OF YEARS	DESIGNATION	INSTITUTION
01-10-2010 to Till date	6 years,11 months	Associate professor	TCE,Madurai
01-10-2007 to 01-10-2010	3 years 3	Assistant professor	TCE,Madurai
01-10-1997 to 01-10-2002	5	Lecturer	TCE,Madurai
01-10-2002 to 01-10-2007	5	Senior Grade Lecturer	TCE,Madurai
05-07-1990 to 30-09-1997	7 years,2 months	Lecturer	MEPCO,Sivakasi

Publications

Journals

- 1. S. Nagammai, S. Latha, and M. Varatharajan, 'Soft computing-based fuzzy integral sliding mode control: a real-time investigation on a conical tank process', Soft Comput, Jan. 2020, doi: 10.1007/s00500-020-04729-7.
- 2. Mahalakshmi, M., and S. Latha. "An economic and environmental analysis of biomass-solar hybrid system for the textile industry in India." Turkish Journal of Electrical Engineering & Computer Sciences, (In press) April 2015
- 3. Mahalakshmi, M., and S. Latha. "Simulation and Optimization of Biomass Based Hybrid Generation System for Rural Electrification." Power Electronics and Renewable Energy Systems. Springer India, 2015. 407 416
- 4. Rajaa Vikhram G.Y., and S.Latha. "Robust shunt FACTS controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping improvement of the controller design for power system Damping in th

- 5. Yousuf Mohamed, Vijayadeepan and S.Latha,"The Comparitive THD Analysis of NeutralClamped Multilevel Z-source Inverter using Novel PWM Control Techniques." International Journal of Modern Engineering Research, Vol 2, No.3,2012
- 6. Rajaa Vikhram Yohanandhan, Latha Srinivasan on "Decentralised wide-area fractional orderdamping controller for a large-scale power system"in IET Gener. Transm. Distrib., 2016, Vol. 10, Iss. 5, pp. 1164–1178 1164 & The Institution of Engineering and Technology 2016
- 7. An economic and environmental analysis of biomass-solar hybrid system for the textileindustry in India Turkish JournalofEelctrical Engg and Computer sciences on March 2015
- 8. Robust shunt FACTScontroller design forpower system damping impovement International Review of Electrical Engg on April 2013
- 9. The Comparitive THD Analysis of Neutral Clampedn Multilevel Z-sourceInverter using NovelPWM Control Techniquesof Modern Engineering Research on June 2012
- 10. Modeling, Simulation and Sizing of Wind/PV/Fuel Cell Hybrid Generation systemInternationalJournal of EngineeringScience andTechnology on May 2012
- 11. Stabilty Analysis of Single Machine Infinite Bus powersystem with TCSC controller, CIIT journal of Datamining and Knowledge and Engineering on NOV 2010
- 12. Controller Design of Shunt FACTS devices for Power System Stability Improvement using PSO CIIT journal of Artificial Intelligent Systems and Machine Learning on NOV 2010
- 13. Optimum size and location Of Unified Power flow Controllers using EP Journal ofInstitution of Engineers, India on December 2003
- 14. Rajaa Vikhram G.Y., and S.Latha . "Coordinated design of PSS and TCSC for power system damping control improvement with multiple control design requirements." International Review on Modelling and Simulation, Vol 2 issue 5 Nov 2012

Conferences

- 1. Mahalakshmi, M., and S. Latha, Proton Exchange Membrane Fuel Cell modeling and Analysis using MATLAB/Simulink, International Workshop and Conference on Renewable Energy and Climate Change Exploring Opportunities for Sustainable Development, Madurai Kamaraj University, Madurai, April 5-7, 2012.
- 2. Enhancement of stability margin using Fuzzy Logic 1st National Conference on Emerging Trends in Engg and Technology, Anna University of Technology Madurai April 2011
- 3. Design of Robust H∞ loop Shaping TCSC controller Over conventional Controller for SMIB system International conference onProcess Automation,Control and Computing July 2011
- 4. Power System Damping Improvement by Robust STATCOM Voltage Controller Design using Loop- shaping techniqueInternationalCentenary conference-Electrical Engg,IISc, bangalore Dec 2011
- 5. Power System Damping Improvement by Robust STATCOM Voltage Controller Design using Loop- shaping technique, International Centenary conference-Electrical Engg, IISc, bangalore Dec 2011.
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- 6. SVC Controller Design using Loop- shaping technique Electronics and Control Engg, MEPCO Schleink Engg College, Sivakasi Dec 2011.
- 7. Dynamic modeling and simulation of Hybrid Generation System Iconraece'11, Mepco schleink engineering college Dec 2011.
- 8. Proton ExchangeMembrane Fuel Cell Modeling and Analysis using MATLAB/Simulink IWCRECC'12,MKU,Madurai April 2012
- 9. A Hybrid Wind Solar Energy System Modeling and Simulationusing MATLAB/Simulink IWCRECC'12,MKU,Madurai April 2012.
- 10. Robust Thyristor Controlled Series Capacitor Controller DesignBased on LMI for single machine system ETPS-12,KLNCE,Madurai April 2012.
- 11. Multimachine Transient Stability Analysis using Energy NationalConference on Emerging Trends in Engg and Technology Anna University of technology- Madurai May 2012
- 12. Function by connecting SVC Sliding mode Control of DVR IEEE conference in St.Xavier college of Engineering May 2013.
- 13. Mahalakshmi, M., and S. Latha, Simulation and Optimization of Biomass Based Hybrid Generation System for Rural Electrification, International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2014), Rajalakshmi Engineering College, Thandalam, Chennai, April 25 26, 2014
- 14. Mahalakshmi, M., and S. Latha, A hybrid Wind-Solar energy system modeling and simulation using MATLAB/Simulink, International Workshop and Conference on Renewable Energy and Climate Change Exploring Opportunities for Sustainable Development, Madurai Kamaraj University, Madurai, April 5-7, 2012.
- 15. Maheswaran P and S.Latha, Performance Analysis of TCSC for practical power network. National conference on Emerging Technologies in Electrical Engineering. Valliammal
- 16. Tamilselvam and S.Latha, Multimachine Transient Stability Analysis using Energy Function by connecting SVC, National Conference on Emerging Trends in Engg and Technology Anna University of technology-Madurai, May 2012
- 17. Rajaa Vikhram G.Y., and S.Latha . Power System Damping Improvement by Robust STATCOM Voltage Controller Design using Loop- shaping technique. International Centenary conference-Electrical Engg,IISc, Bangalore, April 2011.
- 18. Enhancement of Stability Margin in Multi Machine System using Unified Power flow Controller National Conference on Soft Computing Techniques Applied to Power System Eingineering, Annamalai University On Mach 2005
- 19. Particle Swarm Optimisation- Based Load Flow for Systems Containing Unified Power Flow Controllers(UPFC), National Conference on Soft Computing Techniques Applied to Power System Eingineering, Annamalai University March 2005
- 20. Optimal Power Flow Incorporating UPFC using EP FACTS and its Applications at Kumaraguru College of Technology, Coimbatore on Aug 2003.
- 21. Improving Pytight Quanty by industrial of the prince o

Industry Interactions				
COMPANY NAME	NATURE OF WORK	PERIOD	DETAILS	
TNEB	Resistance Testing of Conductors	01-01-2002 to 31-12-2002	ACSR Conductor Testing	

Seminar, Conference, Workshop Attended

- 1. Attended FDP on Application of FACTS Controllers in power system problems during 6-19 of April in TCE, Maurai., 02-09-2016 to 09-09-2016
- 2. Attended Two day workshop on Functional Nano-materials for energy applications in TCE, Madurai on , 01-04-2016 to 02-04-2016
- 3. Attended Two day workshop on Evolutionary optimization Algorithms and applications in TCE, Madurai on , 04-03-2016 to 05-03-2016
- 4. Attended Workshop on Wireless networks- A step towards green communication during in TCE, Madurai on , 31-03-2014 to 05-04-2014
- 5. Attended 2 day work shop on Design of Electric Drives on , 31-01-2014 to 01-02-2014
- 6. Attended two day FDP on Energy Audit and Management in TCE, Madurai on , 24-01-2014 to 25-01-2014
- 7. Attended one week FDP on Power quality Issues in contemporary and future netwoks during in TCE, Madurai on , 27-11-2013 to 03-12-2013
- 8. Two day workshop on Outcome based Education in TCE, Madurai on , 22-10-2013 to 23-10-2013
- 9. Attended Two day FDP on Smart grid technologies in TCE, Madurai on , 18-10-2013 to 19-10-2013
- 10. Attended Two week workshop on Analog Electronics conducted by IIT,Kharagpur on , 04-06-2013 to 14-06-2013
- 11. Attended FDP on Application of FACTS Controllers in power system problems during April in TCE, Maurai., 06-04-2011 to 19-04-2011

Seminar, Conference, Workshop Organised

1. TEQIP sponsored two day FDP on Research Issues and Emerging Trends in control systems Engineering on , 14-02-2014 to 15-02-2014

Ph.D Guidance/Supervisorship

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SCHOLAR COURSE AREA OF RESEARCH

STATUS

MAHALAKHSHMI.M Ph.D

CERTAIN INVESTIGATIONS ON THE FEASIBILITY OF

Completed

HYBRID RENEWABLE ENERGY SYSTEMS FOR THE Copyright © 2019 Thiagarajar College of Engineering, Madurai 625015, TamilNadu, India.

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NAME OF SCHOLAR	COURSE	AREA OF RESEARCH	STATUS
MAHALAKHSHMI.M	Ph.D	CERTAIN INVESTIGATIONS ON THE FEASIBILITY OF HYBRID RENEWABLE ENERGY SYSTEMS FOR THE PROCESS INDUSTRIES	Completed
RAJAA VIKHRAM.G.Y	Ph.D	COORDINATED CONTROL AND INTERACTIONS BETWEEN FACTS CONTROLLERS IN MULTI-MACHINE POWER SYSTEM.	Ongoing
RAJAA VIKHRAM.G.Y	Ph.D	COORDINATED CONTROL AND INTERACTIONS BETWEEN FACTS CONTROLLERS IN MULTI-MACHINE POWER SYSTEM.	Ongoing
ILANKUMARAN.D	Ph.D	Optimal Control of Distributed Generators on Distribution System using FACTS Controllers	Ongoing
Kumaraswamy.V	Ph.D	Study And Analysis Of Electrical Drives Based On Space Vector Control Techniques	Ongoing

Membership		
NAME OF SOCIETY	DETAILS	PERIOD
ISTE		