


PROFILE

Name	 Dr. B. PARAMASIVAM
Professional Qualification	B.E., M.E., Ph.D.
Date of Birth and Age	09-07-1976 and 43 years
Professional Experience	Teaching: 20 Research: 14
Designation	Associate Professor
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Office Address	Department of Electrical Engineering, Faculty Of Engineering & Technology Annamalai University, Annamalainagar Postal code: 608002.Chidambaram Taluk Cuddalore District, Tamilnadu, INDIA (Deputed to) Department of Electrical and Electronics Engineering Government College of Engineering, Bodinayakkanur Postal code: 625582 Theni District, Tamilnadu, INDIA
Residence Address	No. 20/1, Periyar street, Chidambaram, Postal code: 608001 Chidambaram Taluk Cuddalore District, Tamilnadu, INDIA
Current Area of Research	Power system and operation control
Research Supervision	Ph.D. Completed – 02 , On-going – 03 M.E (Completed) - 08
Nationality	Indian

Qualifications	Diploma	Electrical and Electronics	First Class with Distinction	State Board of Technical Education and Training, Tamilnadu	April 1994
	B.E	Electrical and Electronics	First Class	Annamalai University	May 2002
	M.E	Power Systems	First Class with Distinction	Annamalai University	May 2008
	Ph.D	Electrical Engineering	---	Annamalai University	October 2013
Experience (20 Years)	Lecturer	03-03-2003 to 14-06-2008 (Annamalai University)			
	Assistant professor	15-06-2008 to 14-06-2016 (Annamalai University)			
	Associate Professor	15-06-2016 to till date (Annamalai University)			
	Associate Professor	On Deputed to Department of Electrical and Electronics Engineering Government College of Engineering, Bodinayakkanur Postal code: 625582,Theni District, Tamilnadu, INDIA From 16-05-2017 to till date			
Areas of Specialization	<ul style="list-style-type: none"> • Power Systems • Power Electronics • Renewable Energy Systems • Control System • Transmission and Distribution • Power system and operation control • Electrical Measurements and Instruments • Quantitative Management Technique 				
No of papers presented in National/International conferences	03 (One)				
No of papers published in International Journals	35 (Three Five)				
Book Published	Quantitative Management Techniques”, Sci Tech Publishers, Chennai, December 2009, ISBN-978-81-8371-205-7				
Reviewer of International Journal	(i) International Journal on Electrical Power and Energy Systems (IJEPES) Elsevier Publications				

	<ul style="list-style-type: none"> (ii) Ain Shams Engineering Journal (Elsevier Publications) (iii) International Transactions on Electrical Energy Systems (Wiley Publications) (iv) African Journal of Engineering Research (v) Journal of Electrical and Electronics Engineering Research (vi) Journal Engineering Science and Technologies, Taylor's University
Extracurricular actives	<ul style="list-style-type: none"> (i) Served as a NSS programme officers From 2006 to 2012 (Annamalai University) From 2017 to till date (Government College of Engineering, Bodinayakkanur) (ii) Member-Board of Examiner, Question paper setter and examiner for theory valuation for various universities. (iii) Member - Anti ragging committee. (iv) Actively presented in curriculum updating and Designing, new Experimental Setup in Laboratories (v) Members of Board of Studies Centre for academic courses, Anna University, Chennai

List of Research Publications; INTERNATIONAL JOURNALS

S.No	LIST OF PAPER PUBLICATIONS
1	I.A. Chidambaram and B. Paramasivam , “Genetic Algorithm Based Decentralized Controller for Load- Frequency Control of Interconnected Power Systems with RFB Considering TCPS in the Tie-Line”, International Journal of Electronic Engineering Research , Vol. 1 (4) 2009, pp. 299–312. ISSN: 0975-6450
2	B.Paramasivam and Dr. I.A.Chidambaram, “Bacterial Foraging Optimization Based Load Frequency Control of Interconnected Power Systems with Static Synchronous Series Compensator”, International Journal of Latest Trends in Computing , Vol. 1, Issue 2, 2010, pp. 7-13. ISSN: 2045-5364
3	B.Paramasivam and I.A.Chidambaram, “Design of a Load-Frequency Controller Using Bacterial Foraging Optimization Algorithm for an Interconnected Power System with Facts”, International Journal of Research and Reviews in Electrical and Computer Engineering , Vol. 1, No. 2, 2011, pp. 45-54. ISSN: 2046 – 5149
4	B.Paramasivam and I.A.Chidambaram, “Design of Load-frequency Controller using Artificial Bee Colony Algorithm for an Interconnected Power System Coordinated with UPFC and RFB”, International Journal of Computer Applications , Volume 36– No.5, 2011, pp. 25-36. ISSN: 0975-8887.
5	Paramasivam Balasundaram and Chidambaram Ilangi Akilandam, “ABC Algorithm based Load- Frequency Controller for an interconnected Power System Considering nonlinearities and Coordinated with UPFC and RFB”, International Journal of Engineering and Innovative Technology , Volume 1, Issue 3, 2012, pp. 1-11. ISSN: 2277-3754
6	B.Paramasivam and I.A.Chidambaram, “Design of a Load-Frequency Controller using Craziness Based PSO for an Interconnected Power System with SSSC and RFB”, International Review of Automatic Control , Vol. 5, No. 2, 2012, pp. 102-112, ISSN: 1974-6059. (UGC-journal list No: 7871, Source: Scopus)
7	I.A. Chidambaram and B. Paramasivam , “Control performance standards based load-frequency controller considering redox flow batteries coordinate with interline power flow controller”, Journal of Power Sources , Vol. 219, 2012, pp. 292-304, ISSN: 0378-7753. Elsevier Publications. (UGC-journal list No: 19334, Source: WoS & Scopus)
8	I.A. Chidambaram and B. Paramasivam , “Optimized load-frequency simulation in restructured power system with Redox Flow Batteries and Interline Power Flow Controller”, International Journal of Electrical Power and Energy Systems , Vol. 50, 2013, pp. 9-24, ISSN: 0142-0615, Elsevier Publications, (UGC-journal list No: 2932, Source: WoS & Scopus)
9	R.Thirunavukarasu, B.Paramasivam and I.A. Chidambaram, “Power System Restoration Assessment Indices computation for a Restructured Power System with Bacterial Foraging Optimized Load – Frequency Controller”, International

	Journal of Computer Applications , Vol. 78, No. 16, 2013, pp.41-54, ISSN: 0975 – 8887
10	B. Paramasivam , “Automatic Generation Control Using Fuzzy Based Intelligent Controller For Two-Area Deregulated Power System”, International Journal of Advance and Innovative Research , Volume 2, Issue 3 (I) : 2015, pp. 114-121, ISSN 2394 – 7780. (UGC-journal list No: 63571)
11	B. Paramasivam , “Load Frequency Control Using PI+ Controller In A Restructured Power System With HES And SSSC Units”, International Journal of Advance and Innovative Research , Volume 2, Issue 4, 2015, pp. 20-27, ISSN 2394 – 7780. (UGC-journal list No: 63571)
12	B. Paramasivam , “Optimal distribution of multiple facts devices for available transfer Capability enhancement in a restructured power system”, International Journal of Advance and Innovative Research , Volume 3, Issue 1, 2016, pp. 18-26, ISSN 2394 – 7780. (UGC-journal list No: 63571)
13	B. Paramasivam , “Computation of power system restoration indices for a two-area hydrothermal Interconnected power system”, International Journal of Advance and Innovative Research , Volume 3, Issue 2, 2016, pp. 29-36, ISSN 2394 – 7780. (UGC-journal list No: 63571)
14	K. Chandrasekar, B. Paramasivam and I.A. Chidambaram, “Ancillary Service Requirement Assessment Indices for the Load Frequency Control in a Restructured Power System with Redox Flow Batteries”, Journal Electrical Engineering and Technology , Vol. 11, No. 6, 2016, pp. 1535-1547, ISSN 1975-0102, (UGC-journal list No: 7260, Source: WoS & Scopus)
15	K. Chandrasekar, B. Paramasivam and I.A. Chidambaram, “Ancillary Service Requirement Assessment Indices Evaluation with Proportional and Integral plus Controller in a Restructured Power System with Hydrogen Energy Storage Unit”, Middle-East Journal of Scientific Research , Vol. 24, No. 12, 2016, pp. 3838-3857, ISSN 1990-9233.
16	S. Ezhil, B. Paramasivam and I.A. Chidambaram, “Flower Pollination Algorithm based Optimized PI Controller for Automatic Generation Control for the Restoration Indices Computation in a Restructured multi-source Power System”, Advances in natural and applied sciences , Vol. 11, No. 3, 2017, pp.24-37, ISSN: 1995-0772. Published BYAENSI Publication EISSN: 1998-1090 http://www.aensiweb.com/ANAS
17	B. Paramasivam , “Load Frequency Control For Two-Area Power System Considering GDB and GRC Nonlinearities with RFB and TCPS”, International Journal of Advance Scientific Research and Engineering Trends , Volume 2, Issue 9, 2017, pp. 229-234, ISSN 2456 – 0774.
18	B. Paramasivam , “Differential Evaluation Algorithm Based Load Frequency Control for Interconnected Power Systems Considering Non-Linearities With RFB and UPFC”, Open Access International Journal of Science & Engineering , Volume 2, Issue 6, 2017, pp. 31-36, ISSN 2456 – 3293.

19	K. Chandrasekar, B. Paramasivam and I. A. Chidambaram, "Evaluation of power system restoration indices Using krill herd algorithm based optimized PI+ controller for a restructured power System with facts devices" ARNP Journal of Engineering and Applied Sciences , Vo. 12, No. 17, 2017, pp. 4973-4989. ISSN 1819-6608. (UGC-journal list No: 8551, Source: Scopus)
20	K.Chandrasekar, B. Paramasivam and I.A. Chidambaram, "Proportional-Integral with filtered Integral mode Controller using Krill Herd (KH) algorithm in a Restructured Power System with HES and IPFC Units", IOSR Journal of Electrical and Electronics Engineering , Vol. 12, Issue 6, 2017, pp. 8-20, e-ISSN: 2278-1676,p-ISSN: 2320-3331. DOI: 10.9790/1676-1206010820 www.iosrjournals.org
21	S. Ezhil , B. Paramasivam and I.A. Chidambaram, "FPA based optimized pi controller for AGC in a Two area Thermal-diesel interconnected restructured Power system", International Journal of Industrial Electronics and Electrical Engineering , Vol. 6, Issue, 1, 2018, pp. 67-75, ISSN(p): 2347-6982, ISSN(e): 2349-204X. (UGC - journal list No: 43965)
22	S. Ezhil, B. Paramasivam and I. A. Chidambaram, "Optimised Integral take away Proportional Derivative Controllers For AGC Loop In A Multi-Area CCGT-Thermal Deregulated Power System", International Journal of Advance and Innovative Research , Volume 5, Issue 3 (VIII) : 2018, pp. 72-84, ISSN 2394 – 7780. (UGC-journal list No: 63571)
23	K. T. Venkatraman, B. Paramasivam and I.A. Chidambaram, "Optimal Allocation of TCSC Devices for the Enhancement Of ATC In Deregulated Power System using Flower Pollination Algorithm, Journal of Engineering Science and Technology , Vol. 13, No. 9, pp. 2857 – 2871, 2018. ISSN: 1823-4690, (UGC-journal list No: 7352, Source: WoS & Scopus)
24	Baskar, B., B. Paramasivam , and I. A. Chidambaram. "Ancillary Service Requirement Based Automatic Generation Control Assessment In A Deregulated Power System With HES And IPFC Units." Journal of Engineering Science and Technology , Vol.13, No.10, 2018, pp.3092-3115. ISSN: 1823-4690, (UGC-journal list No: 7352, Source: WoS & Scopus)
25	S. Ezhil, B. Paramasivam and I. A. Chidambaram, " Lightning Search Algorithm based Optimized PI Controller with Non Iterating Filtered Derivative Controllers for AGC Loop in a Multi-area CCGT-Thermal Restructured Power System", Journal of Advanced Research in Dynamical & Control Systems , Vol. 10, 13-Special Issue, 2018, pp.382-395 ISSN: 1943-023X. (UGC-journal list No: 26301, Source: Scopus)
26	Baskar, B., B. Paramasivam , "Fractional order PID controller for AGC loop of a two-area solar thermal deregulated power system with RFB and IPFC unit" International Journal of Electrical Engineering & Technology (IJEET) , Volume 10, Issue 2, March-April 2019, pp.24-35. ISSN: 0976-6545, (UGC-journal list No: 43685)
27	K. T. Venkatraman and B. Paramasivam , "Improvement of Available Transfer Capability in a deregulated power system using Firefly Algorithm based optimal placement of TCSC and SVC devices", International Journal for Research in

	Engineering Application & Management (IJREAM) , Vol-04, Issue-12, Mar 2019, pp.216-222, ISSN: 2454-9150. (UGC-journal list No: 64077)
28	Baskar, B., and Paramasivam, B. , (2019), FOPID controller based AGC loop of a two-area Solar-Thermal deregulated Power System with Vanadium Redox Flow Battery, International Journal for Research in Engineering Application & Management , Vol.4(12), pp.245-253.(UGC-journal list No: 64077).
29	B. Paramasivam , “Optimized FOPID controller using BBBC Algorithm for AGC loop in a two-area hydrothermal Restructured power system”, International Journal of Research , Vol. VIII, Issue IV: April-2019, pp.236-244, ISSN 2236 – 6124
30	K. T. Venkatraman and B. Paramasivam , “Enhancement of Available Transfer Capability in a Deregulated Power System Using Optimal Allocation of Unified Power Flow Controller”, International Journal of Advance and Innovative Research , Vol. 6, Issue 2 (IX): April- June 2019, pp.89-96, ISSN 2394 – 7780. (UGC-journal list No: 63571).
31	B. Paramasivam , “Two degree freedom of PID controller for load frequency control of interconnected deregulated power system”, International Journal of Research and Analytical Reviews , Vol. 6, Issue 2, April- June 2019, pp.391-398, ISSN 2349 –5138. (UGC-journal list No: 43602).
32	K. T. Venkatraman and B. Paramasivam , “Optimal placement of multitype Facts devices for available transfer capability enhancement in the competitive electricity market”, International Journal of Research and Analytical Reviews , Vol. 6, Issue 2, May 2019, pp.648-653, ISSN 2349 –5138. (UGC-journal list No: 43602).
33	Baskar, B., and Paramasivam, B. , (2019), “Evaluation of power system ASR indices for IDN-FOPD controller based Automatic Generation Control of a two-area thermal Restructured Power System”, International Journal of Recent Technology and Engineering , Vol.8(4), pp.7117-7121. (UGC-Care List Group-A, Indian Journals Indexed in Scopus Source List; S.No: 206).
34	G. Ganesan Subramanian, T. Suresh Padmanabhan, I.A. Chidambaram and B. Paramasivam , (2021), “Pseudo-Derivative Feedback Controller for Automatic Generation Control in a Deregulated Power System with Hydrogen Energy Storage”, Journal of New Materials for Electrochemical Systems , Vol.24, No.2, April, 2021, pp. 84-94
35	E Prakash1*, I A Chidambaram , B Paramasivam , (2021), Cascade 2DOF-PIDN-FOPIDN Controller based AGC System of a Multi-Source Restructured Power System with HES and IPFC, Indian Journal of Science and Technology , Vol.14(47), pp.3442-3455.