

## BIO-DATA



### Dr. P. DANANJAYAN

- **Dr. P. Dananjayan** is working as a Principal and Professor in the Department of Electronics and Communication Engineering, Pondicherry Engineering College, Puducherry, India. He is also currently the Dean (Examinations), Pondicherry Engineering College.
- He received Bachelor of Science from University of Madras in 1979, Bachelor of Technology in 1982 and Master of Engineering 1984 from the Madras Institute of Technology, Chennai and Ph.D. degree from Anna University, Chennai in 1998.
- He has a teaching experience of 33 years and Research experience of 23 years.
- He has served as Head of the Department of EIE for 8years and ECE for 3 years.
- He has been also as Visiting Professor, to Asian Institute of Technology (AIT), Bangkok, Thailand and Dr.B.R.Ambedkar Institute of Technology, Andaman. He visited Singapore, Kulalumpur(Malaysia), Bangkok(Thailand), Colombo(SriLanka) for presenting the paper/charing the technical session in International Conferences.
- He has authored 3 text books - Engineering Electromagnetics, Electromagnetic waves and waveguides, Transmission lines and waveguides.
- He has also authored 2 Chapters in 2 International Research Books.
- He has more than 100 publications in National and International Journals. He has presented more than 190 papers in National and International conferences.
- He is the member of several editorial boards and also a reviewer of several reputed international journals.
- He has guided 18 Ph.D. candidates and is currently guiding 7 Ph.D. students.

- He has adjudicated around 40 M.S and Ph.D. Thesis of various Universities
- He has received “**MAN OF THE YEAR 2003**” award sanctioned by “The American Biographical Institute and its board of International Research”.
- He has delivered about 100 Expert Lectures in the areas of Communication, Industrial Drives, Electromagnetics and Instrumentation in Summer/Winter Schools. Conferences and Seminars organized by Anna University, Pondicherry University and around 30 Engineering Colleges in Pondicherry and Tamilnadu.
- He is a member of IEEE and Life member of CSI, ISTE, Fellow of Institution of Engineers and Senior member of International Association of Computer Science and Information Technology
- His research interests include, Spread spectrum communication, Wireless communication, Wireless adhoc and sensor networks.

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#### **Educational Qualification:**

Degree	Specialization	College/University	Year of Passing
B.Sc.	Physics	Madras University	1979
B.Tech.	Electronics	Madras Institute of Technology, Anna University	1982
M.E.	Electronics	Madras Institute of Technology, Anna University	1984
Ph.D.	Electronics	College of Engineering, Anna University	1998

**Experience:** Teaching – 33 Years

Research – 23 Years

**Details of Ph.Ds guided and awarded**

<b>S.No</b>	<b>Name of the Scholar</b>	<b>Year of Award</b>	<b>Title</b>
1	G. Sivaradje	8 <sup>th</sup> Dec 2006	Mobility Prediction based Bandwidth Allocation in Wireless Mobile Networks
2	L.Nithyanandan	15 <sup>th</sup> Dec 2006	Studies on Capacity Enhancement techniques for Multicarrier CDMA
3	K.Jayanthi	3 <sup>rd</sup> Aug 2007	Some Investigations on Quality Improvement using Link Adaptation Techniques in Cellular mobile networks
4	Alamelu Nachiappan	9 <sup>th</sup> Nov 2007	Studies on Capacity Improvements of MC/CDMA System through Subchannel Power Control
5	S.Jeevananthan	16 <sup>th</sup> Nov 2007	Performance Evaluation of Innovative Control Strategies for Power Electronic Converters
6	Thirusakthi Murugan	20 <sup>th</sup> Feb 2009	Studies on the Controller Design and Identification for the PMLDC Motor
7	B.Geethalaksmi	11 <sup>th</sup> June 2009	Investigations on the Performance of Voltage Source Inverter based FACTS Controllers.
8	V.Nagarajan	21 <sup>st</sup> Jan 2010	Studies on Capacity Enhancement techniques for MIMO Multicarrier DS/CDMA System using Game theoretic approach
9	N.Kumarathan	26 <sup>th</sup> Mar 2010	Studies on the Performance Enhancement of MC-CDMA System through Site Diversity techniques
10	J.Vidhya	3 <sup>rd</sup> May 2011	Studies on the energy efficient techniques for wireless sensor networks
11	P.Samundiswary	30 <sup>th</sup> June 2011	Studies on performance of wireless sensor networks using trust based reactive routing protocols
12	R.Valli	13 <sup>th</sup> Dec 2013	Studies on Life Time Enhancement Technique for Wireless Sensor Network
13	P.Mukunthan	28 <sup>th</sup> Feb 2014	Studies on PAPR Reduction Techniques for OFDM and MIMO-OFDM Systems
14	R.Sundaramurthy	14 <sup>th</sup> March 2014	Design and Analysis of Reconfigurable Virtual Instruments with Control Strategies
15	P.Raja	15 <sup>th</sup> July 2014	Energy Efficient Protocols for Wireless Sensor Network using Game Theoretic Approach
16	A.Sundar	5 <sup>th</sup> Feb 2016	Power Control for Capacity Enhancement in MCCDMA-MIMO System using Water Filling Game

			Theory
17	R.Shankar	05 Aug 2016	QOS analysis of UMTS-WLAN interworking Network
18	S.Sujatha	07 <sup>th</sup> Apr 2017	PAPR reduction using DCT and IDCT based Modified SLM and PTS technique in OFDM and MIMO-OFDM

# PUBLICATIONS

## INTERNATIONAL JOURNALS

1. **P. Dananjayan** and C. Chellamuthu, "A Constant Frequency Zero Voltage Switching Quasi - Resonant Converter for Aerospace Applications", International Journal of Electronics, U.K., Vol.83, No.3, pp. 397- 416, 1997.
2. **P. Dananjayan**, C. Chellamuthu and S. RamaReddy, "Analysis and Simulation of a Boost Constant Frequency Zero Current Switching Quasi-Resonant Converter", Advanced Modelling and Simulation in Enterprises (AMSE) Journal, France 1997. (ISSN 0761-2494)
3. **P. Dananjayan** and C. Chellamuthu, "A New Boost Constant Frequency ZVS – ZCS Quasi – Resonant Converter", International Journal of Power and Energy Systems, Vol. 18, No.2, pp.116-123, 1998. (ISSN: 1078-3466)
4. **P. Dananjayan**, V.Sriram and C. Chellamuthu, "A Fly Back constant Frequency Zero Current Switching Boost Quasi – resonant Converter", Micro Electronics, Elsevier sciences, U.K, 2000. (DOI: 10.1016/s0026-2692(97)00110-9)
5. G. Sivaradje and **P. Dananjayan**, "A novel dynamic guard channel scheme for channel allocation in cellular mobile networks", International Journal of Computers and Applications, Vol.25, No.4, 2003.(ISSN:1206-212X)
6. G. Sivaradje and **P. Dananjayan**, "A Flexible Channel Allocation with resource prediction for mobile multimedia networks", WSEAS Transactions on Computers, Vol. 3, No.5, pp.1418-1424, November 2004. (ISSN:1109-2750)
7. G. Sivaradje and **P. Dananjayan**, "A Prioritized Dynamic Channel Assignment Scheme Based on Mobility in Micro-cellular Networks", Information Technology Journal, Vol.3, No.3, pp.303-310, 2004. (ISSN:1682-6027)
8. S Jeevananthan, **P.Dananjayan** and A. Mohamed Asif Fisal, "A HPWM method for thermal management in a full-bridge inverter with loss estimation and electro-thermal simulation", AMSE periodicals of Modeling, Measurement and Control – Series B: Vol. 73, No.6, pp. 1-20, December 2004. (ISSN:0761-2494)
9. K. Jayanthi and **P. Dananjayan**, "Prediction Based Smart Scheduler Using Neural Network for Wireless Networks", Advanced Modelling and Simulation in Enterprises (AMSE) Journal, France, Vol.1, No.3, pp.18-24, 2005. (ISSN:0761-2494)
10. N. Alamelu and **P. Dananjayan**, "Performance and Capacity Improvements of Subchannel Power Controlled MC-CDMA System under Multipath Channels", International Journal of Mobile Network Design and Innovation, Vol.1, No.1, pp 34-39, 2005. (ISSN:1744-2869)
11. S Jeevananthan, **P Dananjayan** and S Venkatesan, "A Novel Modified Carrier PWM Switching Strategy for Single-Phase Full-Bridge Inverter", Iranian Journal of Electrical and Computer Engineering, Summer Fall -Special Section on Power Engineering, Vol.4, No.2, pp.101-108, Tehran, Iran, 2005. (ISSN:1682-0053)

12. K.Jayanthi and **P.Dananjayan**, "Prediction Based Smart Scheduler Using Neural Network for Wireless Networks", AMSE Journal, France, June 2005. (ISSN 0761-2494)
13. K.Jayanthi and **P.Dananjayan**, "Multimedia QoS Provisioning using Opportunistic Scheduling in TDMA/ CDMA Networks", Int. J. Mobile Network Design and Innovation, Inderscience Publishers, Vol.1, No.3/4, pp.248-257, 2006. (DOI: 10.1504/IJMNDI.2006.012095)
14. L. Nithyanandan and **P. Dananjayan**, "Modified Frequency and Frame Synchronization Algorithms for MC-CDMA System", Information Technology Journal, Vol.5, No.2, pp.273-280, 2006. (DOI:10.3923/itj.2006.273.280)
15. N. Alamelu and **P. Dananjayan**, "Adaptive Fuzzy Genetic algorithm-based power and threshold SIR control for MC-CDMA systems", International Journal of Mobile Network Design and Innovation, Vol.1, No.3/4, pp. 240-247, 2006. (DOI: 10.1504/IJMNDI.2006.012094)
16. G. Sivaradje and **P. Dananjayan**, "Mobility Prediction Based Bandwidth Allocation Supporting Multilevel Degradable QoS", Journal of System Management, Vol. 3, No.4, pp. 35-44, Nov 2005.
17. G. Sivaradje and **P. Dananjayan**, "A Prediction Based Flexible Channel Assignment in Wireless Networks using Road Topology Information", International Journal of Information Technology and Web Engineering, Vol 1, No.4, pp. 37-48, Oct-Dec 2006. (ISSN:1554-1045)
18. G. Sivaradje and **P. Dananjayan**, "Prioritized Bandwidth Allocation for VBR Traffic in Mobile Multimedia Networks", Elsevier International Journal of Electronics and Communication Engineering, Vol. 2, No.4, pp. 36-44, 2006. (ISSN:1434-8411)
19. S.Jeevananthan, **P. Dananjayan** and K.Murugesh Kumar, "Thermal Equalization HPWM Methods for Full-Bridge Inverters and Energy Loss Balancing through Device Priority Swapping", AMSE periodicals of Modeling, Measurement and Control, Series A: Vol. 79, No.2, pp. 35-52, 2006. (ISSN:0761-2494)
20. S. Jeevananthan, **P. Dananjayan** and G. Jaiganesh, "Conducted noise estimation in a single-phase full-bridge inverter for SPWN, HPWN and TEHPWN methods through ICAP simulation". AMSE periodicals of Modeling, Measurement and Control – Series A: Vol. 79, No.2, pp. 53-72, 2006. (ISSN:0761-2494)
21. S. Jeevananthan, **P.Dananjayan** and A.Illayaraja "Evolutionary Computing Based Area Integration PWM Technique for Multilevel Inverters", Journal of Electrical Systems, Vol.3, No.2, pp. 61-72, June 2007. (ISSN:1112-5209)
22. S Jeevananthan, **P Dananjayan** and G Pavankumar, "Area Equalization PWM Techniques for Single-Phase Full Bridge Inverter with Fluctuating DC Input" ELEKTRIKA, Faculty of Electrical Engineering University Teknologi, Malaysia Vol.9, No.1, pp.24-29, 2007. (ISSN:0128-4428)
23. S. Jeevananthan, **P. Dananjayan** and R.Madhavan, "Novel single-phase to single-phase cycloconversion strategies: Mathematical and Simulation studies", International Journal of Power and Energy System, vol.27, no.4, pp.414-424, 2007. (ISSN:1078-3466)

24. S Jeevananthan, R Nandhakumar and **P Dananjayan**, "Inverted sine carrier for fundamental fortification in PWM inverters and FPGA based implementations", Serbian Journal of Electrical Engineering (SJEE), vol.4, no.2, 2007. (ISSN:1451-4869)
25. G. Sivaradje and **P. Dananjayan**, "Radio resource management in convergence Technologies" Encyclopedia of Mobile Computing and commerce, Idea Group, Inc., pp. 810-815, 2007. (ISBN:978-1-59904-002-8)
26. G. Sivaradje and **P. Dananjayan**, "Convergence Technology for Enabling Technologies" Encyclopedia of Mobile Computing and commerce, Idea Group, Inc., pp. 149-153, 2007. (ISBN:978-1-59904-002-8)
27. G. Sivaradje and **P. Dananjayan**, "A spectrally overlaid flexible bandwidth utilization scheme for cellular CDMA systems" Int. Journal of Ad Hoc and Ubiquitous Computing, Vol. 2, No.1/2, pp 109-118, 2007. (ISSN: 1743-8225).
28. K.Ayyappan, G.Sivaradje, I.Saravanan and **P.Dananjayan**, "Resource management strategy to support real time video across UMTS and WLAN networks", Journal of Ubiquitous Computing and Communication Vol.2, No. 4, 2007. (ISSN: 1994-4608).
29. P. Thirusakthimurugan and **P. Dananjayan**, "A novel robust speed controller scheme for PMBLDC motor", International Journal on Instrumentation systems and Automation, ISA Transactions Elsevier,UK, Vol.46, No.4, pp. 471-477, 2007. (DOI:10.1016/j.isatra.2007.03.004)
30. B. Geethalakshmi and **P.Dananjayan**, "Investigation of performance of UPFC without DC link capacitor", Electric Power Systems Research, Elsevier, Vol.78, No.4, pp.736-746, April 2008. (DOI:10.1016/j.epsr.2007.05.019)
31. P. Thirusakthimurugan and **P. Dananjayan**, "A novel generalized predictive controller for the speed control of PMBLDC motor", International Journal of Electrical and Power Engineering (IJEPE), Vol.2, No.5, pp. 293-299, 2008. (ISSN:1990-7958).
32. P. Sanjeevikumar B. Geethalakshmi, and **P. Dananjayan**, "Fine tuning of cascaded of d-q axis controller for AC-DC-AC converter without DC link capacitor using artificial neural network", Songklanalarin Journal of Science and Technology, Vol.30, No.1, pp. 85-92, Jan. – Feb. 2008, (ISSN:0125-3395).
33. B. Geethalakshmi, T. Hajmunnisa and **P. Dananjayan**, "A fuzzy logic controller for enhancing the transient stability of 48-pulse inverter based SSSC", Journal of Electrical systems, ELEKTRIKA, Universiti Teknologi, Malaysia, Vol.10, No.2, pp.53-58, 2008. (ISSN:0128-4428).
34. K.Ayyappan and **P.Dananjayan**, "Propagation model for highway in mobile communication system" Journal of Ubiquitous Computing and Communication, Vol.3, No. 4, 2008. (ISSN:1994-4608).
35. N.Kumarathan, M.Padmavathy and **P.Dananjayan**, "Performance Improvement of MC-CDMA System through D-STBC Site Diversity", Journal of Theoretical and Applied Information Technology, Vol.4, No.11, pp.1075-1082, November 2008. (ISSN:1992-8645).
36. N.Kumarathan, M.Padmavathy and **P.Dananjayan**, "Performance Improvement of MC-CDMA System through STBC Site Diversity", International Journal of Emerging

Technologies and Applications in Engineering Technology and Sciences, ISBN: 0974-3588, pp.1-7, Dec 2008. (ISSN:0974-3588).

37. V. Nagarajan and **P. Dananjayan**, "Game theoretic power control approach for MIMO MC-DS/CDMA system", Special Issue on New Technologies, Mobility and Security- UBICC Journal, Vol.3 pp.5-11, 2008. (ISSN: 1994-4608).
38. V. Nagarajan and **P. Dananjayan**, "Performance enhancement of MC-DS/CDMA system using chaotic spreading sequence", International Journal of Theoretical and Applied Information Technology, Vol.4, No.10, pp. 995-1001, October 2008. (ISSN: 1992-8645).
39. K.Ayyappan and **P. Dananjayan**, "RSS measurement for vertical handoff in heterogeneous network", International Journal of Theoretical and Applied Information Technology, Vol.4, No.10, pp. 989-994, October 2008. (ISSN:1992-8645).
40. B. Geethalakshmi and **P. Dananjayan**, "A combined multipulse – multilevel inverter based STATCOM for improving the voltage profile and transient stability of power system", International Journal of Power Electronics, Vol.1, No.3, pp.267-285, 2009. (ISSN:1756-638X).
41. V. Nagarajan, L. Nithyanandan and **P. Dananjayan**, "A Game Theoretic Approach with Pricing Strategy for Energy Efficient Modulation in MIMO MC-DS-CDMA system", International Journal of Computer Applications in Engineering, Technology and Sciences, Vol.1, No.2, pp.656-659, Sept. 2009. (ISSN:0974-3596).
42. J.Vidhya and **P. Dananjayan**, "Hybrid Clustering Protocol for Energy Efficient Routing in Wireless Sensor Networks", International Journal of Electronics Engineering, Vol.1, No.1, pp.7-12, Jan- June 2009. (ISSN:0973-7383).
43. L. Nithyanandan and **P. Dananjayan**, "Analytical BER Computation for MC-CDMA System with Iterative HIC Receiver", International Journal of Electronics Engineering, Vol.1, No.1, pp.67-73, Jan- June 2009. (ISSN:0973-7383).
44. L. Nithyanandan and **P. Dananjayan**, "Coverage and cost optimization of Uniform and Non uniform mixed sensor networks", International Journal of International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences, pp.213-216, July-2009. (ISSN:0974-3588)
45. P.Samundiswary and **P. Dananjayan**, "Performance Evaluation of LEACH Mobile protocol for mobile wireless sensor networks", International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences, July-2009. (ISSN:0974-3588)
46. J.Vidhya, G.Kalpana and **P. Dananjayan**, "Energy Efficient Hybrid MAC Protocol for Cluster based Wireless Sensor Network", International Journal of Computer and Electrical Engineering, Vol. 1, No. 3, pp. 271-278, Aug 2009, (ISSN:1793-8163).
47. G.Sivaradje and **P. Dananjayan**, "HIP Based Mobility Management for Integrated Networks", International Journal of Computer applications in Engineering, Technology and Sciences, Vol.1, No.2, pp.566-570, 2009. (ISSN:0974-3596)



48. P.Samundiswary and **P.Dananjayan**, "Performance Analysis of Homogeneous and Heterogeneous Sensor Networks", *MASAUM Journal of Computing*, Vol.1, No.3, pp. 377-381, October 2009. (ISSN:2076-0833)
49. G.Sivaradje and **P.Dananjayan**, "Performance Comparison of UMTS/WLAN Integrated Architectures with Dynamic Home Agent Assignments", *International Journal of Communication Networks and Information security*, Vol.1. No.3, December 2009, pp.73-80. (ISSN:2073-607X)
50. N. Kumaratharan and **P. Dananjayan**, "Performance Improvement in Detection and Estimation of MC-CDMA Systems over MIMO channels", *Elsevier Journal of Computer and Electrical Engineering*, Vol.36, No.1, pp.224-233, January 2010, ISSN: 0045-7906, (DOI: 10.1016/j. compeleceng.2009.08.008).
51. N. Kumaratharan, S. Jayapriya and **P. Dananjayan** "Performance Enhancement of MC-CDMA System through STBC based STTC Site Diversity", *International Journal of Computer and Electrical Engineering*. Vol.2, No.1, pp.6-11, February 2010. (ISSN: 1793-8163).
52. P.Samundiswary and **P.Dananjayan**, "Detection of Sinkhole Attack in Heterogeneous Sensor Networks for Mobile nodes with Mobile sinks", *International Journal of Computer and Electrical Engineering*, Vol.2, No.1, pp.127-133, February 2010. (ISSN: 1793-8163).
53. J.Vidhya and **P. Dananjayan**, "Lifetime maximization of Multihop WSN using Cluster based cooperative MIMO Scheme", *International Journal of Computer Theory and Engineering*, Vol.2, No.1, pp.20-24, February 2010. (ISSN: 1793-8201).
54. L.Nithyanandan, G.Sivaradje and **P.Dananjayan**, "Modified GPSR Protocol for Wireless Sensor Networks", *International Journal of Computer and Electrical Engineering*, Vol.2, No.2, pp.328-332, April 2010. (ISSN: 1793-8163).
55. P.Samundiswary and **P.Dananjayan**, "Secured Reactive Routing Protocol for mobile nodes in Sensor Networks", *WSEAS TRANSACTION on COMMUNICATIONS*, Issue 3, Volume 9, pp.216-225, March 2010. (ISSN: 1109-2742)
56. J.Vidhya, G.Kalpana and **P.Dananjayan**, "Cooperative MIMO MAC Protocol using STTC in Wireless Sensor Networks", *WSEAS TRANSACTION on COMMUNICATIONS*, Issue 3, Volume 9, pp.196-205, March 2010. (ISSN: 1109-2742).
57. V. Nagarajan and **P. Dananjayan**, "Performance Analysis of MC-DS/CDMA system using chaotic spreading sequence", *International Journal of Computer and Electrical Engineering (IJCEE)* Vol.2, No.2, pp.333-337, April 2010.

58. B.Geethalakshmi and **P. Dananjayan**, "A Combined Multipulse-Multilevel Inverter suitable for High Power applications", International Journal of Computer and Electrical Engineering (IJCEE) Vol.2, No.2, pp.257-261, April 2010.
59. N. Kumaratharan, K.Jayanthi and **P. Dananjayan** "Performance Enhancement of MC-CDMA System through STTC based STBC Site Diversity", International Journal of Computer Science and Information Technology Vol. 2, No. 1, February, 2010.
60. R.Shankar and **P.Dananjayan**,"Security Enhancement of First Mile Wireless Access with optimal QoS through anonymity in convergence Network", International Journal of Computer Science and Information Technology Vol. 1 (2), 93-104, 2010.
61. P.Samundiswary, D.Sathian and **P.Dananjayan**,"Secured Greedy Perimeter Stateless Routing for Wireless Sensor Networks", International Journal of Adhoc, Sensor and Ubiquitous Computing, Vol.1, No.2, June 2010
62. J.Vidhya and **P.Dananjayan**, "Analysis of cooperative STBC MIMO transmissions in WSN using threshold based MAC protocol", International Journal on Computer Applications (0975-8887), Vol.3, No.10, July 2010.
63. R.Valli and **Dr.P.Dananjayan**, "A Non-cooperative game theoretic approach for power control in Virtual MIMO wireless sensor network", International Journal of UbiComp, vol.1, no.3, pp.44-55, July 2010
64. R.Shankar, Timothy Rajkumar.K and **Dr.P.Dananjayan**, "Security enhancement with optimal QoS using EAP-AKA in hybrid coupled 3G-WLAN convergence network", International Journal of UbiComp, vol.1, no.3, pp.31-42, July 2010
65. P.Samundiswary and **P.Dananjayan**, "Performance analysis of trust-based AODV for wireless sensor networks", International Journal on Computer Applications, Volume 4(12), August 2010.
66. R.Valli, A.Sharmila and **P.Dananjayan**, "Game theoretic approach for power control using error control coding in wireless sensor networks", International Journal on Computer Applications, (0975-8887), Volume 7-No.1, pp. 31-36, September 2010.
67. J.Vidhya and **P.Dananjayan**, "Cooperative MIMO Transmission in WSN using threshold based MAC protocol", International Journal of Wireless and Mobile Networks, vol.2, no.3, pp.196-210, August 2010, ISSN online: 0975-3834.
68. P.Mukunthan and **P.Dananjayan**, "Modified PTS with FEC for PAPR reduction in OFDM system", International Journal on Computer Applications, Volume 11(.3) (0975-8887), December 2010.

69. J.Vidhya and **P.Dananjayan**, "Energy efficient STBC-encoded cooperative MIMO routing scheme for cluster based wireless sensor networks", International Journal of Communication Networks and Information Security, vol.2, no.3, pp.216-223, December 2010.
70. R.Valli and **P.Dananjayan**, "Utility enhancement by power control in WSN with hexagonal deployment scheme using game theoretic approach with pricing", INTERNATIONAL JOURNAL OF COMPUTERS AND COMMUNICATIONS, University Press, UK Volume 5(4), 2011
71. R.Shankar and **P.Dananjayan**, "An Adaptive Call Admission Control Scheme with Load Balancing for QoS Enhancement in RoF Based Converged UMTS/WLAN", INTERNATIONAL JOURNAL OF COMPUTERS AND COMMUNICATIONS, University Press, UK, Volume 5(4), 2011
72. P.Mukunthan and **P.Dananjayan**, "Modified PTS with FEC for PAPR reduction in MIMO OFDM system with different subblocks and subcarriers", International Journal of Computer Science Issues, Vol. 8, Issue 4, No 2, July 2011.
73. P.Samundiswary, M.Pavan Kumar, and **P.Dananjayan**, "Trust based energy aware greedy perimeter stateless routing for wireless sensor networks", Journal of Communications and Computer, October 2011.
74. S.Kokila, R.Shankar and **P.Dananjayan**, "Analysis of Call Admission Control Schemes for WLAN Coupled to 3G Network", International Journal of Soft Computing and Engineering (IJSCE), Vol.1, Issue-6, Jan 2012.
75. R.Valli and **P.Dananjayan**, "Power control with MIDRS codes in VMIMO WSN using game theoretic approach", International Journal of Soft Computing and Engineering (IJSCE), Vol.1, Issue-6, Jan 2012.
76. R.Valli and **P.Dananjayan**, "Energy efficient coalition game theoretic approach for MIMO based wireless sensor network", European Journal of Scientific Research (EJSR), vol.74, no.3, April 2012
77. P.Mukunthan and **P.Dananjayan**, "PAPR reduction of an OFDM signal using modified PTS combined with interleaving and pulse shaping method" European Journal of Scientific Research (EJSR), vol.74, no.4, pp. 475-486, May 2012
78. P.Mukunthan and **P.Dananjayan**, "Modified PTS Combined with Interleaving Technique for PAPR Reduction in MIMO-OFDM system with Different Subblocks and Subcarriers", IAENG, International Journal of Computer Science, 39:4, pp339-348, Nov 2012

79. A.Sundar and **P.Dananjayan**, "An Efficient Power Control Algorithm for MCCDMA-MIMO System Using Iterative Water Filling Game Theory", *European Journal of Scientific Research (EJSR)*, Vol.89, issue 4, pp.602-611, October 2012.
80. R.Sundarmoorthy and **P.Dananjayan**, "Design and Realization of Reconfigurable Virtual Instruments using FPGA", *European Journal of Scientific Research (EJSR)*, Vol.90, issue 1, pp.74-89, November 2012.
81. R.Sundarmoorthy and **P.Dananjayan**, "Control Strategies for Reconfigurable Virtual Instruments using FPGA", *European Journal of Scientific Research (EJSR)*, Vol.93, issue 1, pp.134-150, December 2012.
82. P.Mukunthan and **P.Dananjayan**, "A Modified PTS Combined with Interleaving and Pulse Shaping Method Based on PAPR Reduction for STBC MIMO-OFDM System" *WSEAS Transactions on Communications*, Issue 3, Volume 12, pp. 121-131, March 2013
83. R.Valli and **P.Dananjayan**, "Adaptive Modulation and Coding for Utility Enhancement in VMIMO WSN Using Game Theory", *International Journal of Computer Theory and Engineering*, Vol. 5, No. 6, December 2013.
84. P. Raja and **P. Dananjayan**, "Game theory based NanoMAC Protocol for Inter Cluster Wireless Sensor Network", *International Journal of Computer and Electrical Engineering (IJCEE)*, vol.5, no.6, pp. 606-610, 2013.
85. P.Thanigachalam and **P.Dananjayan**, "BER analysis of OFDM receiver using MMSE channel estimation method with PTS for different sub-blocks", *International Journal of Computer and Electrical Engineering (IJCEE)*, vol.5, no.6, pp. 602-605, 2013.
86. P.Mukunthan and **P.Dananjayan**, "Modified PTS with Interleaving for PAPR Reduction of OFDM Signal with QPSK Subblocks", *International Journal of Future Computer and Communication* vol. 2, no. 6, pp. 22-25, 2014.
87. A. Sundhar and **P.Dananjayan**, "Power Control and Sub Carrier Grouping for MCCDMA-MIMO Using Water Filling Game Theory", *International Journal of Computer and Electrical Engineering (IJCEE)*, Vol. 6, No. 1, pp. 7-11 February 2014.
88. P. Raja and **P. Dananjayan**, "Game Theory based Energy Efficient Hybrid MAC Protocol for Lifetime Enhancement of Wireless Sensor Network", *Iranian Journal of Electrical & Electronic Engineering (IJEET)* Vol. 10, No. 1, pp. 10-17, March 2014.
89. S.Sujatha and **P.Dananjayan**, "PAPR Reduction Techniques in OFDM Systems Using DCT and IDCT", *Journal of Theoretical and Applied Information Technology* Vol. 74(3), pp.597-605, 2014.
90. S.Sujatha and **P.Dananjayan**, "DCT Based Partial Transmit Sequence Technique For PAPR Reduction

in OFDM Transmission”, ARPN Journal of Engineering and Applied Science, vol. 10, No.5 March

2015, ISSN online: 1819-7708.

91. S.Sujatha and **P.Dananjayan**, “PAPR reduction by Modified PTS combined with Interleaving technique for OFDM system with QPSK subcarriers”, International Journal of Applied Engineering Research, Vol. 10 No.73, 2015 ISSN online: 0973-4572.
92. M. Thanigasalam and **P. Dananjayan**, “Performance Analysis of MIMO-OFDM Receiver using Modified PTS technique”, Journal of Theoretical and Applied Information Technology, vol.81, no.2, pp. 310-319, November 2015.
93. M. Thanigasalam and **P. Dananjayan**, “BER analysis of OFDM receiver using LS channel estimation method with modified PTS combined with interleaving”, Intl. Journal of Applied Engg. Research, vol.10, no.63, pp.225-259, 2015.
94. S.Sujatha and **P.Dananjayan**, “PAPR Reduction in MIMO OFDM System using Modified SLM based Constant Modulus Algorithm with IDCT Matrix” IJCSIS, Vol. 14 No. 5 May 2016
95. S.Sujatha, and **P.Dananjayan**, “PAPR Reduction for OFDM System using DCT Based Modified PTS Technique”. International Journal of Communications, ISSN: 2367-8887, pp.36-49 2016.
96. M. Thanigasalam and **P. Dananjayan**, “Performance analysis of OFDM receiver with modified PTS technique”, Intl. Journal of Communication Networks and Distributed Systems, vol.17, no.1, pp.43-60, 2016.

## NATIONAL JOURNALS

1. G. Sivaradje and **P. Dananjayan**, "The Characteristics of Electronic Payment Systems", in IETE Technical Review – Special Issue "E-Commerce", Vol. 17, No. 4, pp. 197-202, July – August 2000.
2. G. Sivaradje and **P. Dananjayan** "A Dynamic Channel Assignment Algorithm for High Capacity Microwave Mobile Communication Systems", IETE Technical Review – Special Issue "Microwave Communication Systems", Vol. 18, Nos. 2 & 3, pp. 207 – 210, March - June 2001.
3. G. Sivaradje and **P. Dananjayan** "Address Routing and Delivery Time Analysis of Satellite Networks for PCS", IETE Special issue of Microwave Communication Systems, Vol. 18, Nos. 2 & 3, pp. 211 – 218, March - June 2001.
4. G. Sivaradje and **P. Dananjayan**, "Interactive Computer Mediated Communications for Distance Educations and its limitations", IETE Technical Review – Special issue in "IT Enabled Services", Vol. 18, No. 4, pp. 277 – 282, July – August 2001.
5. G. Sivaradje, D. Saraswady and **P. Dananjayan**, "LEGICON – Based Segmentation of Magnetic Resonance Images of the Brain", IETE Journal of Research – Special issue of visual media processing, 2002.
6. G. Sivaradje and **P. Dananjayan** "Extraction of Evoked Potential and its Applications in Biomedical Engineering", IETE Technical Review in the Special Issue of Bio-Medical Engineering, 2003.
7. K.Jayanthi and **P. Dananjayan**, " Traffic Enforcement Mechanism in ATM using Neural Network", IETE Technical Review, Vol. 21, No. 4, pp 241-246, , July- August 2004.
8. G. Sivaradje and **P. Dananjayan** "Mobility prediction-based Bandwidth Allocation Supporting multilevel Degradable Quality of Service", The ICFAI Journal of Systems management, November 2005, Vol.3, No.4, pp 35-44, November 2005. (ISSN: 0972-9097).
9. S Jeevananthan, **P. Dananjayan** and S Rakesh, "A Unified Time Ratio Recursion (TRR) Algorithm for SPWM and TEHPWM Methods: Digital Implementation and

Mathematical Analysis," Journal of the Institution of Electronics and Telecommunication Engineers, Technical Review, Vol.23, No.1, pp.71-90, Jan.-Feb., 2006.

10. K. Jayanthi and **P. Dananjayan**, "Performance Enhancement Using Opportunistic Schedulers in Wireless Networks" IETE Journal of research - Special issue on "Protocols for resource, link and mobility management for wireless and Satellite communication Networks", April-May 2006.
11. N. Alamelu and **P. Dananjayan**, "Adaptive Band based power control for MC-CDMA System using Fuzzy Genetic Algorithm", The Institution of Engineers (India), Journal-CP, Vol. 89, November 2008.
12. K.Jayanthi and **P.Dananjayan**, "A Novel Link Adaptation Scheme for wideband CDMA", ICFAI Journal of Tele Communications, Vol.1, No.1, pp.20-36, August 2009.
13. Ashok Kumar. K and **P. Dananjayan**, "A Survey for Silicon on Chip Communication", Indian Journal of Science and Technology, Vol. 10(1), pp.1-10.January 2017.

## INTERNATIONAL CONFERENCES

1. **P. Dananjayan** and C. Chellamuthu, "A New Constant Frequency Zero Voltage Switching Buck Quasi – Resonant Converter", Proc. International Conference PEDES'96, New Delhi, India, pp. 176 – 182, 1996.
2. **P. Dananjayan** and C. Chellamuthu, "A Novel Buck Boost Constant Frequency Zero Voltage Switching Buck Quasi – resonant Converter", Proc. International Conference ICEE'96, Beijing, China, pp. 808 – 812, 1996.
3. **P. Dananjayan** and C. Chellamuthu, "Analysis of Flyback Constant Frequency Zero Current Switching Buck Quasi – resonant Converter", Proc. International Conference ICEE'96, Beijing, China, pp. 818 – 823, 1996.
4. **P. Dananjayan** and C. Chellamuthu, "A New Constant Frequency Zero Voltage Switching Flyback Quasi – resonant Converter", Proc. International Conference ROVPIA'96, Ipoh, Malaysia, pp. 773 – 778, 1996.
5. **P. Dananjayan** and C. Chellamuthu, "A New Constant Frequency Zero Voltage Switching Dual Quasi – resonant Converter", Proc. International Conference ROVPIA'96, Ipoh, Malaysia, pp. 779 – 785, 1996.

6. L. Nithyanandan and **P. Dananjayan**, "Optimal Design of DS – CDMA Receiver for Dynamic Environment", Proc. Second International Conference on Information, Communications and Signal Processing, Singapore, Dec. 1999.
7. G. Sivaradje and **P. Dananjayan** "A Novel Dynamic Guard Channel Scheme for Channel Allocation in Cellular Mobile Networks", Proc. 4<sup>th</sup> International Wireless and Telecommunications Symposium, Malaysia, pp. 155 – 159, May 2000.
8. G. Sivaradje and **P. Dananjayan** "Wireless ATM Switching using Single Frequency Multi – user Spread Spectrum Technique", Proc. International Conference on Telecommunications, Mexico, May 2000.
9. G. Sivaradje and **P. Dananjayan** "Prevention of Signal Cancellation for Coherent Signal and Interference in Adaptive Beam forming", Proc. International Conference on Telecommunications, Mexico, May 2000.
10. G. Sivaradje and **P. Dananjayan** "Adaptive Resource Allocation for Prioritized call admission in wireless networks", Proc. International Conference on Multimedia, Signal processing, pp.45 – 48, IIT Madras, Chennai, India, August 2000.
11. G. Sivaradje and **P. Dananjayan**, "Analysis of Adaptive Guard Channel Scheme for Mobile Communication", Proc. International Conference on Communications and Signal Processing, Florida, September 2000.
12. G. Sivaradje and **P. Dananjayan** "ATM Based Routing for Non Geostationary satellites", Proc. Asia Pacific international Conference on Communications, Vellore, December 2000.
13. G. Sivaradje and **P. Dananjayan** "DS / CDMA using Combined binary PPM / Differential M – ary Orthogonal modulation for Non-assisted pilot detection", Proc. Asia Pacific international Conference on Communications, Vellore, December 2000.
14. G. Sivaradje and **P. Dananjayan**, "Globally Distributed Students Learning using Cyber Communication", Proc. Asia Pacific international Conference on Communications, Vellore, December 2000.
15. L.Nithyanandan and **P. Dananjayan** "Distributed Protocol for ATM extended banyan networks", Proc. International Conference on Advances in Telecommunications and Information Technology, Vellore, pp.162-169, December 2000.
16. G. Sivaradje and **P. Dananjayan** "Interactive Computation of Coverage Regions for Wireless Communications in Multifloored Indoor Environments", Proc. International Conference on Computers, Communications and Devices, Kharagpur, India pp. 743 – 746, 2000.
17. G. Sivaradje and **P. Dananjayan**, "LEGICON - Based Segmentation of Magnetic Resonance Image of the Brain", Proc. International Conference on Bio – Medical Engineering, pp. 171 – 174, January 24 – 26, 2001.
18. G. Sivaradje and **P. Dananjayan** "Media Access Control Protocol for Future Multimedia Wireless Networks", Proc. ICICS, Singapore, October 2001.
19. G. Sivaradje and **P. Dananjayan** "Dynamic Resource Allocation for Next Generation Wireless Multimedia Services", Proc. International Conference on Communication Systems, Singapore, pp 752- 754, November 2002.



20. G. Sivaradje and **P. Dananjayan** "Efficient Resource Allocation Scheme for Real-Time MPEG Video Traffic over ATM Networks" Proc. ICCS2002 International Conference on Communication Systems, Singapore, pp 747- 751, November 2002.
21. G. Sivaradje and **P. Dananjayan** "Design and analysis of feedback consolidation for ABR point to multipoint connection in ATM networks", Proc. International Conference on computer communication, Mumbai, India, pp1061 - 1070, August 2002.
22. G. Sivaradje and **P. Dananjayan** "An enhanced signaling and routing protocol for ATM extended multistage bayous networks", Proc. International Conference on computer communication, Mumbai, India, pp265 –278, August 2002.
23. G. Sivaradje and **P. Dananjayan**, "Optimal Resource Utilization for Real-Time MPEG over ATM Network", Proc. IEEE TENCON, Bangalore, Oct 16<sup>th</sup> – 18<sup>th</sup> 2003.
24. S.Jeevananthan and **P.Dananjayan**, "Time shared cyclic switching method for high power three phase HPWM dc-ac converter," Proc. IEEE Region Ten Conference TENCON, vol.4, pp.1498-1502, Bangalore, India, Oct. 2003.
25. G. Sivaradje and **P. Dananjayan**, "A Prioritized Channel Assignment Strategy for Resource Utilization in Call Admission Control", Proc. International Conference on Wireless Networks, India, pp.c45-c53, July 2003.
26. G. Sivaradje and **P. Dananjayan**, "Optimal Coding and Resource Utilization for Real-Time MPEG Over ATM Network", Proc. IEEE TENCON, India, pp. 907-912, August 2003.
27. P. Thirusakthimurugan and **P. Dananjayan**, "An Interactive Muscle Strength Testing System for Neuro- therapeutic Applications", Proc. International conference on Instrumentation, PIET, Pune, Dec.2004.
28. G. Sivaradje and **P. Dananjayan**, "Adaptive Resource Allocation algorithm for wireless multimedia services" Proc. 3<sup>rd</sup> International Conference on Electrical and Computer Engineering, Bangladesh, pp-291-294, December 2004.
29. G. Sivaradje and **P. Dananjayan**, "A Bandwidth Efficient Resource Allocation Scheme for a Real-Time Wireless Video Transmission", Proc. 2<sup>nd</sup> International Conference on Advances in Mobile Multimedia, Indonesia, September 2004.
30. G. Sivaradje and **P. Dananjayan**, "Dynamic Resource Prediction and Reservation Scheme For Mobile Multimedia Networks", Proc. 2<sup>nd</sup> International Conference on Advances in Mobile Multimedia, Indonesia, September 2004.
31. G. Sivaradje and **P. Dananjayan**, "A Spectrally Overlaid Flexible Bandwidth Utilization Scheme for Cellular CDMA Systems", Proc. International Conference on Communications systems Singapore, September, 2004.
32. G. Sivaradje and **P. Dananjayan**, "Efficient Bandwidth Utilization and QoS in Wireless Intelligent ATM Network for Multimedia Services", Proc. International Engineering Conference, Mutah University, Jordan, April 26<sup>th</sup> -28<sup>th</sup>, 2004.
33. G. Sivaradje and **P. Dananjayan**, "Adaptive Resource Reservation Scheme for Heterogeneous Traffic in Cellular Mobile Networks", Proc. International Engineering Conference, Mutah University, Jordan, April 26<sup>th</sup> -28<sup>th</sup>, 2004.
34. G. Sivaradje and **P. Dananjayan**, "Prioritized Bandwidth Allocation for VBR Traffic in Mobile Multimedia Networks", Proc. International Engineering Conference, Mutah University, Jordan, April 26<sup>th</sup> -28<sup>th</sup>, 2004.

35. K. Jayanthi and **P. Dananjayan**, "QoS Provisioning in Wireless Networks using Opportunistic Scheduling", Proc. IEEE IMAE 2005, 7<sup>th</sup> - 8<sup>th</sup> Jan 2005.
36. K. Jayanthi and **P. Dananjayan**, "Performance Improvement using Opportunistic Scheduler in CDMA systems", Proc. International Union of Radio Science URSIGA, New Delhi, 23<sup>rd</sup> - 30<sup>th</sup> Oct 2005.
37. K. Jayanthi and **P. Dananjayan**, "Performance Improvement in High Capacity Mobile Networks using Call Admission Control Scheme", Proc. International Union of Radio Science URSIGA, New Delhi, 23<sup>rd</sup> -30<sup>th</sup> Oct 2005.
38. L.Nithyanandan and **P. Dananjayan**, "Analytical BER computation for Interference Cancellation Receiver in MC CDMA System", Proc. International Union of Radio Science URSIGA, New Delhi, 23<sup>rd</sup> -30<sup>th</sup> Oct 2005.
39. L.Nithyanandan and **P. Dananjayan**, "Hybrid Interference Cancellation Receiver for MC CDMA systems", Proc. IEEE International Conference on Personal Wireless Communications, New Delhi, India, pp.465-469, Jan23-25, 2005.
40. G. Sivaradje and **P. Dananjayan**, "Direction of Arrival Based Interference Reduction and Capacity Enhancement using Smart Antennas in CDMA Networks", Proc. XVIII URSI General Assembly 2005, New Delhi October 21-28, 2005.
41. N.Alamelu and **P.Dananjayan**, "Adaptive SIR Based Power Control for CDMA System using FGA", Proc. International Union of Radio Science URSIGA, New Delhi, 23<sup>rd</sup> -30<sup>th</sup> Oct 2005.
42. N. Alamelu and **P. Dananjayan**, "Adaptive SIR Based Power Control for CDMA System using Fuzzy Genetic Algorithm", Proc. XVIII URSI General Assembly 2005, New Delhi, October 21-28, 2005.
43. N. Alamelu and **P. Dananjayan**, "Adaptive Fuzzy Band Based Power Control for MC-CDMA System", Proc. MICC-ICON, November, Malaysia, 2005.
44. K.Jayanthi and **P.Dananjayan**, "A link adaptive Power control scheme for wideband CDMA system", Proc. 6<sup>th</sup> IEEE international conference on communications and International conference on networking" MICC-ICON, Malaysia, Kulalampur, 17<sup>th</sup> and 18<sup>th</sup> Nov 2005.
45. K.Jayanthi and **P.Dananjayan**, "A Predictive multimedia CAC for prioritised handovers in wireless mobile networks", Proc. 6<sup>th</sup> IEEE international conference on communications and International conference on networking" MICC-ICON, Malaysia, Kulalampur, 17<sup>th</sup> and 18<sup>th</sup> Nov 2005.
46. P. Thirusakthimurugan and **P. Dananjayan**, "A New robust Controller design for PMBLDC motor drive-An energy efficient approach", Proc. International conference PEITSICON, Calcutta, pp. 224-227, Jan 2005.
47. P. Thirusakthimurugan and **P. Dananjayan**, "An Intelligent highway addressable remote controller" Proc. ISA International conference on Instrumentation, USA.2005.
48. S.Jeevananthan, K.N.Senthilkumar, **P.Dananjayan**, and B.H.S.Satheesh, "Digital Implementation of Space Vector PWM Technique in Active Shunt Filter with

Instantaneous Active and Reactive Power Control Algorithm and Comparison with Hysteresis and Triangular Modulation Schemes”, Proc. International Conference on Energy, Information Technology and Power Sector (PETISCON), pp. 277-280, Kolkata, India, Jan. 2005.

49. S Jeevananthan, **P Dananjayan** and G Jaiganesh, “Conducted Noise Disparity Study in SPWM and HPWM Inverters Using ICAP Software and Laboratory Corroboration”, Proc. International Conference of IEEE India Council (INDCON), IIT Madras, Chennai, India. pp. 590-595, December 11-13, 2005.
50. S.Jeevananthan, **P.Dananjayan** and S.Venkatesan, “SPWM-An Analytical Characterization, and Performance Appraisal of Power Electronic Simulation Softwares”, Proc. International Conference on Power Electronics and Drive Systems (PEDS), Kulala Lumpur, Malaysia, pp.681-686, Nov.28-Dec.1, 2005.
51. S.Jeevananthan and **P.Dananjayan**, “Static Model Verification of IRF Power MOSFETs Using Fluke Temperature Probe (80T-150U) and Performance Comparison of TEHPWM Methods”, Proc. International Conference on Power Electronics and Drive Systems (PEDS), Kulala Lumpur, Malaysia, pp.1462-1467, Nov.28-Dec.1, 2005.
52. G. Sivaradje and **P. Dananjayan** “Resource Management Strategy to Support Real Time Video across UMTS and WLAN Networks”, Proc. 3<sup>rd</sup> International Conference on Advances in Mobile Multimedia, Indonesia, September 2005.
53. G. Sivaradje and **P. Dananjayan**, “Mobility Prediction Based Bandwidth Allocation Supporting Multilevel Degradable QoS”, Proc. IEEE International Conference on Communication, MICC 2005, Malaysia, Vol 1, pp.16-18, Nov. 2005.
54. G. Sivaradje and **P. Dananjayan**, “A Prediction Based Flexible Channel Assignment in Wireless Networks Using Road Topology Information”, Proc. 3<sup>rd</sup> International Conference on Advances in Mobile Multimedia, Malaysia, pp 107-118, September 2005.
55. G. Sivaradje and **P. Dananjayan**, “Adaptive Resource Allocation scheme for Wireless Video Transmission”, Proc. International Conference on Information Science, Technology and Management, India, July 2005.
56. P. Thirusakthimurugan and **P. Dananjayan**, “A New Control Scheme for Speed Control of PMSM Motor Drive” Proc. IEEE international conference on Control, automation, robotics and vision-(ICARCV) Dec-5-8, Singapore, 2006.
57. P. Thirusakthimurugan and **P. Dananjayan**, “A robust auto tuning robust speed control of permanent magnet brushless DC motor” Proc. IEEE international conference on Information and Automation, -(ICARCV) Dec-14-17, Colombo, Srilanka, 2006.
58. B. Geethalakshmi, P.Sanjeevikumar and **P. Dananjayan**, “Performance analysis of AC-DC-AC converter as Matrix converter”, Proc. India International conference on Power Electronics, Chennai, pp. 57-61, Dec 2006.
59. S.Jeevananthan, R.Madhavan, T. Suresh Padmanabhan and **P.Dananjayan**, “State-of-the-art of Multi-Carrier Modulation Techniques for Seven Level Inverter: A Critical Evaluation and Novel Submissions based on Control Degree of Freedom”, Proc. International Conference on Industrial Technology (ICIT), Mumbai, India, pp.1269-1274, 15-17, December, 2006.
60. B. Geethalakshmi, A. Saraswathi and **P. Dananjayan**, “Comparing and evaluating the performance of SSSC with Fuzzy logic controller and PI controller for Transient stability

- enhancement”, Proc. India International conference on Power Electronics, Chennai, pp. 140-143, Dec 2006.
61. B. Geethalakshmi, P.Sanjeevikumar and **P. Dananjayan**, “A current source rectifier with leading power factor”, Proc. IEEE International conference of Power Electronics, Drives and Energy Systems, Dec. 2006.
  62. N.Alamelu and **P.Dananjayan**, “Subchannel Power control for MC-CDMA systems using Fuzzy-Genetic algorithm” Proc. IEEE International conference on Wireless and optical communication networks (WOCN), Bangalore, April 2006.
  63. K. Jayanthi and **P.Dananjayan**, “Performance enhancement using integrated QoS framework for cellular mobile network” Proc. IEEE International conference on Wireless and optical communication networks (WOCN), Bangalore, April 2006.
  64. K.Jayanthi and **P.Dananjayan**, “Mobility predictive call admission control for wireless multimedia services”, Proc. IEEE Wireless and Optical communication Networks (WOCN), Bangalore, April 2006.
  65. L.Nithyanandan and **P. Dananjayan**, “Virtual sub carrier based frequency Synchronization algorithm for MC CDMA System”, Proc. IEEE International conference on Wireless and Optical Communication Networks, IEEE WOCN, Bangalore April 2006 (ISBN 1-4244-0340-5/06).
  66. I.Saravanan, G.Sivaradje and **P. Dananjayan**, “QoS Provisioning for Cellular / WLAN Interworking ”, Proc. IEEE International conference on Wireless and Optical Communication Networks, IEEE WOCN, Bangalore April 2006 (ISBN 1-4244-0340-5/06).
  67. B. Geethalakshmi, T. Hajumunnisa and **P. Dananjayan**, “Performance Analysis of SSSC under various Control Strategies”, Proc. International Conference on Recent Advancements and Applications of Computer in Electrical Engineering, RACE, March 2007.
  68. B. Geethalakshmi, J.Ramesh and **P. Dananjayan**, “Modeling of Three Phase Self-excited Induction Generator Connected to Distribution System and Dynamic Improvement Using DSTATCOM”, Proc. International Conference on Recent Advancements and Applications of Computer in Electrical Engineering, RACE, March 2007.
  69. B. Geethalakshmi and **P. Dananjayan**, “Dynamic characteristic analysis of SSSC based on 48-Pulse voltage source inverter”, Proc. International Power Engineering Conference, IPEC 07, Singapore, pp. 73, Dec 2007.
  70. B. Geethalakshmi and **P. Dananjayan**, “An analytic approach to harmonic analysis of 48-Pulse voltage source inverter”, Proc. 7<sup>th</sup> International Conference on Power Electronics and Drive Systems (PEDS) Conference, Thailand, pp. 417 – 422, Dec 2007.
  71. N.Tamilarasan, K.Jayanthi and **P.Dananjayan**, “Mobility based call admission control for CDMA system supporting integrated voice/data”, Proc. IEEE International Conference on computational intelligence and multimedia applications, ICCIMA, Vol.IV, pp.240-246, December 2007.
  72. K.Thilagam, Alamelu.N and **P.Dananjayan**, “Adaptive Resource Allocation in Multiuser OFDM Systems”, Proceedings of IEEE International Conference on computational intelligence and multimedia applications, ICCIMA, December 2007.

73. V.Nagarajan and **P.Dananjayan**, "Adaptive resource allocation in Multimedia Qos in wireless networks", Proc. IEEE International Conference on Signal Processing, Communication and Networking, ICSCN 2007.
74. P. Thirusakthimurugan and **P. Dananjayan**, "A New Generalized Predictive Controller for the Speed Control of PMSM Motor", Proc. of IEEE International Conference on Information and Automation for Sustainability, Australia, pp.7-12, 2007.
75. B. Geethalakshmi, Delhi Babu, Chaitanya Verma and **P. Dananjayan**, "Performance Evaluation of three phase Cascaded H-Bridge Multilevel Inverter Based on Multi Carrier PWM Techniques", Proc. International Conference on Advances in Energy Research, ICAER, pp.537- 542, 2007.
76. V.Nagarajan and **P.Dananjayan**, "Channel Estimation Technique in OFDM Communication over frequency selective fading channels", Proc. ICONADELCO 2007.
77. K.Ayyappan, V.J.Manojkumar, D.Sathian and **P.Dananjayan** "Performance analysis of Hiperlan/2-UMTS interworking strategies" Proc. International Conference on Advanced Computing and Communication Technologies for High Performance Applications, FISAT, Cochin, vol.1, pp.221-225, Sept. 2008.
78. V.Nagarajan and **P.Dananjayan**, "A Game theoretic power control algorithm with pricing for spectral efficient communication in MIMO MC-DS/CDMA system", Proc. IEEE International Conference Broadband Communications, Information Technology & Biomedical Applications, South Africa. 2008.
79. N.Kumaratharan and **P.Dananjayan**, "STSC Detection for Multi-user MIMO MC-CDMA system", Proc. IEEE International Conference, TENCON, Hyderabad, Nov. 2008.
75. P.Samundiswary and **P. Dananjayan**, "Implementation of security mechanism in wireless sensor networks", Proc. International Conference on RF and Signal Processing System (RSPS), Vijayawada, pp. 243-247, Feb. 2008.
76. K.Ayyappan, R.Dhanaraj and **P.Dananjayan**, "Dwell timer based hand off scheme for heterogeneous wireless networks", Proc. International conference on computing, communication and networking", Chettinad college of engineering and technology, Karur, December 2008.
77. J. Vidhya, G. Kalpana, D. Sathyan and **P. Dananjayan**, "Performance Analysis of NanoMAC Protocol for Wireless Sensor Networks", Proc. International conference on computing, communication and networking", Chettinad college of engineering and technology, Karur, December 2008.
78. N.Kumaratharan, E.Edin Arnold, J.Venkatesan and **P.Dananjayan**, "Performance Improvement of ICE for orthogonal STBC MC-CDMA systems over MIMO channels", Proc. 3<sup>rd</sup> IEEE International Conference on Industrial and Information Systems, ICIIS, IIT Kharagpur, Dec 2008.
79. N.Kumaratharan, S.Jayapriya and **P.Dananjayan**, "Performance Improvement of MC-CDMA system through STTC site Diversity", Proc. International conference on computing, communication and networking", Chettinad college of engineering and technology, Karur, December 2008.
80. P.Samundiswary, Padma Priyadarshini and **P.Dananjayan**, "Performance evaluation of heterogeneous sensor networks", Proc. International conference on future computer and communication (ICFCC-2009), Kuala Lumpur, April 2009.

81. N.Tamilarasan, S.Lenin and **P.Dananjayan**, "Call admission control for CDMA systems with Adaptive modulation", Proc. International conference on control, automation, communication and energy conservation, INCACEC, pp.745-752, Kongu Engineering college, June 2009.
82. J.Vidhya, G.Kalpana and **P.Dananjayan**, "Energy minimization using Nanomac protocols in multihop wireless sensor network", Proc. International conference on control, automation, communication and energy conservation, INCACEC, pp. 31-36, Kongu Engineering college, June 2009.
83. N.Kumaratharan, S.Jayapriya and **P.Dananjayan**, "STTC based site diversity technique for MC-CDMA system", Proc. International conference on control, automation, communication and energy conservation, INCACEC, pp.695-700, Kongu Engineering college, June 2009.
84. V.Nagarajan, **P.Dananjayan** and L.Nithiyandhan, "On the performance of chaotic spreading sequence MIMO MC-DS/CDMA systems using NPGP", Proc. International conference on control, automation, communication and energy conservation, INCACEC, pp. 730-734, Kongu Engineering college, June 2009.
85. R. Shankar, S. Arunkumar, E. Ashokkumar and **P. Dananjayan**, "A Novel Bandwidth Utilization Technique for Convergence Network" Proc. International Conference on Software Technology and Engineering, (ICSTE) Chennai, India, July 24 - 27, 2009.
86. R. Shankar, T.Hemavathy, P.Maheswari and P. Dananjayan, "Vertical Handoff Decision Algorithm using System Performance and User Preference", Proc. International Conference on Software Technology and Engineering(ICSTE) Chennai, India, July 24 - 27, 2009.
87. B.Geethalakshmi and **P.Dananjayan**, "A Combined Multipulse-Multilevel Inverter based SSSC", Proc.International Conference on Power Systems (ICPS), IIT, Kharagpur, 2009.
88. B.Geethalakshmi and **P.Dananjayan**, "A Novel structure of UDFC with Matrix Convertor", Proc. Third International Conference on Power Systems (ICPS), IIT, Kharagpur, 2009.
89. P.Samundiswary, Padma Priyadarshini and **P.Dananjayan**, "Secured path redundancy algorithm for heterogeneous sensor networks", Proc. International conference on Software technology and Engineering, Chennai, India, pp.328-332, July 2009.
90. G.Sivaradje and **P.Dananjayan**, "Dynamic Home Agent Assignment in WLNA with Cellular Networks", Proc. IEEE International Conference on Intelligent Agent & Multi-Agent Systems", IEEE Catlog Number: CFP0953H-DVD, (ISBN: 978-1-4244-4711-4/09), Chennai 2009.
91. G.Sivaradje and **P.Dananjayan**, "Network Address Port Translation for Dynamic Home Agent Assignment", Proc. Second International conference on Advances in Computer Vision and Information Technology, 2009.
92. K.Vijayalakshmi, G.Sivaradje and **P.Dananjayan**, "Performance Analysis of WLAN-CDMA2000 Interworking", Proc. International Conference on Recent Advancements in Electrical Sciences, pp.140 – 150, 2010.
93. P.Samundiswary, and **P.Dananjayan**, "Secured Dynamic Source Routing Protocol for Mobile Sensor Networks", Proc, WSEAS International Conference on Recent Advances in Networking, VLSI and Signal Processing, University of Cambridge, U.K. ISSN: 1790-5117, ISBN: 978-960-474-162-5, pp.19-23, 2009.
94. J.Vidhya, and **P.Dananjayan**, "Analysis of Cooperative MIMO MAC Protocol in Wireless Sensor Networks", Proc. WSEAS International Conference on Recent Advances in

Networking, VLSI and Signal Processing, University of Cambridge, U.K. ISSN:1790-5117, ISBN:978-960-474-162-5, pp.13-18, 2009.

95. J.Vidhya, and **P.Dananjayan**, “Cooperative MIMO transmissions using threshold based MAC Protocol in Wireless Sensor Networks”, Proc. 2<sup>nd</sup> IEEE International Conference on Computing, Communication and Networking, Karur, July 2010.
96. R.Shankar and **P.Dananjayan**, “Security enhancement with optimal QoS using ECDH for converged 3G-WLAN system”, Proc. 11th International Conference on Control, Automation, Robotics and Vision ICARCV, Singapore. June 2010.
97. R.Sundarmoorthy and **P.Dananjayan**, “Service Provider Architecture for Dynamically Reconfigurable Virtual Instruments in Networked Environments”, Proc. 11th International Conference on Control, Automation, Robotics and Vision ICARCV, Singapore. June 2010.
98. R.Valli and **P.Dananjayan**, “Utility based power control with pricing using MIDRS codes in wireless sensor networks”, Proc. International Symposium on Humanities, Science and Engineering Research (SHUSER), Kuala Lumpur, Malaysia, June 2011.
99. P.Mukunthan and **P.Dananjayan**, “Modified PTS with FECs for PAPR reduction in MIMO OFDM systems with different subcarriers”, Proc. International Symposium on Humanities, Science and Engineering Research (SHUSER), Kuala Lumpur, Malaysia, June 2011.
100. R.Valli and **P.Dananjayan**, “Utility enhancement by game theoretic approach using square grid topology in WSN”, Proc. International conference on Process Automation, Control and Computing (PACC),” Coimbatore, July 2011.
101. R.Shankar and **P.Dananjayan**, “Quality of Service Enhancement for Converging traffic in EDCA based IEEE 802.11”, Proc. International conference on Process Automation, Control and Computing (PACC),” Coimbatore, July 2011.
102. R.Valli and **P.Dananjayan**, “Utility enhancement by power control in WSN with different topologies using game theoretic approach”, Proc.WSEAS International Conference on Communications and Information Technology, Corfu Island, Greece, July 2011.
103. R.Shankar and **P.Dananjayan**, “An Adaptive Call Admission Control Scheme with Load Balancing for QoS Enhancement in Converged UMTS/WLAN”, Proc.WSEAS International Conference on Communications and Information Technology, Corfu Island, Greece, July 2011.
104. R.Valli and **P.Dananjayan**, “Energy Efficient Adaptive Modulation for power control in WSN using game theoretic approach”, Proc. International Conference on Information and Communication Technology, Chennai, December 2011.
105. P.Mukunthan and **P.Dananjayan**, “Modified PTS with interleaving and pulse shaping method for PAPR reduction of OFDM signal using QPSK subcarriers”, Proc. International Conference on Information and Communication Technology, Chennai, December 2011.
106. P.Mukunthan and **P.Dananjayan**, “PAPR Reduction by Modified PTS Combined with Interleaving Technique for OFDM System with QPSK Subcarriers”, International Conference on Advances in Engineering, Science and Management, Nagapattinam, India, 30-31 March, 2012.
107. R.Valli and **P.Dananjayan**, “Utility based Power Control with Different Deployment Schemes in Virtual MIMO Wireless Sensor Network”, International Conference on Advances in Engineering, Science and Management, Nagapattinam, India, 30-31 March, 2012.

- 108.S.Kokila, R.Shankar and **P.Dananjayan**, “Performance Analysis of Dual Threshold Call Admission Control in 3G/WLAN Coupled Network”, International Conference on Advances in Engineering, Science and Management, Nagapattinam, India, 30-31 March, 2012.
109. R.Valli and **P.Dananjayan**, “Adaptive Modulation and Coding for Utility Enhancement in VMIMO WSN using Game Theory”, 2012 4th International Conference on Electronics Computer Technology, Kanyakumari, India, April 6-8, 2012.
110. P.Mukunthan and **P.Dananjayan**, “Modified PTS with interleaving for PAPR reduction of OFDM signal with QPSK subblocks”, 2012 4th International Conference on Electronics Computer Technology, Kanyakumari, India, April 6-8, 2012.
111. P.Mukunthan and **P.Dananjayan**, “PAPR reduction based on a modified PTS with interleaving and pulse shaping method for STBC MIMO-OFDM system” ICCCNT2012, SNS college of Engineering, Coimbatore. India, 26-28, July 2012.
112. A.Sundar and **P.Dananjayan**, “Capacity Enhancement in MCCDMA-MIMO System Using Iterative Water Filling Approach Based Power Distribution Method” ICCCNT2012, SNS college of Engineering, Coimbatore. India, 26-28, July 2012.
113. R.Valli and **P.Dananjayan**, “Power Control with QoS constraints in WSN using Game Theoretic Approach” ICCCNT2012, SNS college of Engineering, Coimbatore. India, 26-28, July 2012.
114. P.Raja and **P.Dananjayan**, “Game theory based ETDMA for intra-cluster wireless sensor network, IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT), 2012, **Syed Ammal Engineering College, Ramanathapuram**, pp. 272 – 276, 23-25 Aug. 2012.
115. A.Sundar and **P.Dananjayan**, “Interference Based Sub Carrier Group Assignment And Power Distribution For MCCDMA-MIMO System Using Iterative Water Filling Game Theory”, EAS 2012, Sri Lanka, December 27-29, 2012.
116. P.Mukunthan and **P.Dananjayan**, “Modified PTS based on superimposed training sequence method for PAPR reduction of OFDM signals with different subblocks”, EAS 2012, Sri Lanka, December 27-29, 2012.
117. P.Raja and **P.Dananjayan**, “Coalition game theoretic approach: for cooperative MIMO MAC protocol using STBC in WSN”, EAS 2012, Sri Lanka, December 27-29, 2012.
118. P.Thanigachalam and **P.Dananjayan**, “BER analysis of OFDM receiver using LS channel estimation method with modified PTS for different sub-blocks”, EAS 2012, Sri Lanka, December 27-29, 2012.
119. R.Valli, D.Sathian and **P.Dananjayan**, “Utility Improvement by Power Control using MIDRS Codes in Hexagonally Deployed VMIMO WSN” , EAS 2012, Sri Lanka, December 27-29, 2012.
120. P.Thanigachalam and **P.Dananjayan**, “BER analysis of OFDM receiver using MMSE channel estimation method with PTS for different sub-blocks”, Dubai, UAE, ICCTS, 2013.
121. A.Sundar and **P.Dananjayan**, “Power Control and Sub-Carrier Grouping for MCCDMA-MIMO using Water Filling Game Theory”, Dubai, UAE, ICCTS, 2013.
122. P.Raja and **P.Dananjayan**, “Game Theory based NanoMAC Protocol for Inter Cluster Wireless Sensor Network”, Dubai, UAE, ICCTS, 2013.



123. A.Sundar and **P.Dananjayan**, “Power Loading and Subcarrier Group Assignment for MCCDMA-MIMO System using Water Filling Game Theory”, Bangkok, FTCC 2013.
122. P.Raja and **P.Dananjayan**, “Lifetime Enhancement of WSN using Cooperative Game Theory based Routing Protocol”, Bangkok, FTCC 2013.
123. S.Sujatha and **P. Dananjayan**, “Modified SLM with DCT for PAPR reduction in OFDM system with different subcarrier”, Proceedings of International Conference “Computational Systems in Engineering and Technology (ICCSET 2014), 2014.
124. S.Sujatha and **P. Dananjayan**, “PAPR reduction using Constant Modulus Algorithm and IDCT in MIMO-OFDM Networks”, Proceedings of Third International Conference on Eco-friendly Computing and Communication Systems, Mangalore, India, pp.238-241, NIT surathkal, , December 18-21, 2014.
125. M. Thanigasalam and **P. Dananjayan**, “BER analysis of OFDM receiver using MMSE channel estimation and modified PTS combined with interleaving”, Proceedings of Intl. IEEE conference on Advanced Communication control and Computing Technologies, pp.662-666, Ramanathapuram, May 2014.
126. M. Thanigasalam and **P. Dananjayan**, “Performance Analysis of OFDM receiver using modified PTS combined with Interleaving and pulse shaping for different subblocks”, Proceedings of 4<sup>th</sup> IEEE conference on Communication and Signal Processing (ICCSP), pp.865-869, Melmaruvathur, April 2015.
127. S.Sujatha and **P. Dananjayan**, “PAPR Reduction by DCT based PTS Techniques with Interleaving in OFDM System”, Proceedings of Third International Conference on Eco-friendly Computing and Communication Systems, Melmaravathur, India, organised by Adiparashakthi college of engineering, April3-5 2015.
128. S.Sujatha and **P. Dananjayan**, “PAPR Reduction by DCT based PTS Techniques with Helical Interleaving in OFDMSystem”, Proceedings of Third International Conference on Eco-friendly Computing and Communication Systems, Melmaravathur, April3-5 2017.
129. S.Sujatha and **P. Dananjayan**, “PAPR Reduction by DCT based Modified SLM Techniques with Interleaving in OFDM System”, Ramanadhapuram, India, April3-5 2016.
130. Sujatha.S  
 ,R.Jayashree and **P.Dananjayan**, “PAPR reduction for OFDM using helical interleaving” Proceedings of Fourth International Conference on Eco-friendly Computing and Communication Systems, Melmaravathur, India , April3-5 2017.

## NATIONAL CONFERENCES

1. **P. Dananjayan** and V. Audisheshaiah, "Bandwidth Allocation in ATM Networks Using Efficient Bandwidth CAC Algorithm," Proc. National System Conference, REC, Calicut, pp. 183-188, Dec 1998.
2. G. Sivaradje and **P. Dananjayan** "An Efficient CDMA Technique for Wireless ATM Switching," Proc. 31<sup>st</sup> Mid-Term Symposium on Emerging Wireless Communication Technologies and Systems, India, April 2000.
3. G. Sivaradje and **P. Dananjayan**, "Optimized cell division and cost analysis of a multi-tier cellular communication network": Proc. 31<sup>st</sup> Mid-Term Symposium on "Emerging Wireless Communication Technologies and Systems", India, April 2000.
4. G. Sivaradje and **P. Dananjayan**, "PC-PC Communication using Infrared link", Proc. National Seminar "Electronic- Advances and Trends", India, pp. 44-46, Jan 2000.
5. G. Sivaradje and **P. Dananjayan**, "Wireless Transmission of ECG Signals", Proceedings of National Seminar "Electronic- Advances and Trends", India, pp 243-246, Jan 2000.
6. L. Nithyanandan and **P. Dananjayan**, "Information Superhighway through cable MODEM", Proc. Southern Regional Conference 2000 on teleworking-IT Enabled services, Pondicherry, pp. 39-49, May 2000.
7. G. Sivaradje and **P. Dananjayan**, "The Comparative Response of TCP at Peak Rate with TCP over ATM-ABR Service", IETE-CSI Proc. Trends & Techniques in Information Technology, Gwalior, India, March 2001.
8. G. Sivaradje and **P. Dananjayan**, "Group Randomly Addressed Polling Protocol for Broadband Communication", IETE-CSI Proc. Trends & Techniques in Information Technology, Gwalior, India, March 2001.
9. G. Sivaradje and **P. Dananjayan**, "Neural Network Based Receiver for Mobile Communication," Proc. of National Conference on Communications-NCC, pp.71-74, IIT Kanpur, India, Jan 2001.
10. G. Sivaradje and **P. Dananjayan**, "DS / CDMA using Combined Binary Pulse Position Modulation/Differential M-ary Orthogonal Modulation", Proc. National Conference on Communications-NCC, pp. 3-7, India, Jan 2001.
11. **P. Dananjayan**, "A Typical Multivariable Non Linear Predictive Controller," Proc. NSAI, CSIO, Chandigarh, Jan 29-31, 2001.
12. **P. Dananjayan**, "Performance of a Typical Self-Tuning Controller on a Non-linear Process," Proc. National Conference on Intelligent and Efficient Electrical Systems, PSG Tech, Coimbatore, Jan 19-20, 2001.
13. **P. Dananjayan**, "Asymmetric Digital Subscriber Line and its Future," Proc. of ISTE-NSRAET, Sivakasi, India, pp 129-137, 2001.
14. G. Sivaradje and **P. Dananjayan**, "Image segmentation Based on Colour Classification" Proc. National Conference on Document Analysis and Recognition (NCDAR2001), Mandya, pp 181-186, July 2001.
15. G. Sivaradje and **P. Dananjayan**, "Design and implementation of Ultrasonic Mobility aid for Blind" Proc. IETE Conference on Information Technology for disabled", Chennai, pp-327-333, June 2001.

16. G. Sivaradje and **P. Dananjayan**, "A Novel Modulation Format for Non-Pilot Aided Detection in Land Mobile Satellite Communications", Proc. National Seminar on Convergence of Technologies by 2010, India pp. 169-172, Jan 2001.
17. L.Nithyanandam and **P. Dananjayan**, "Multimedia Personal Communication over Wireless ATM Network", Proc. National Seminar on Convergence of Technologies by 2010, India pp. 169-172, Jan 2001.
18. **P. Dananjayan**, "Chip-Level Differential Encoding/Decoding of Orthogonal signals in a Hybrid Modulation Format", Proc. National Seminar on Convergence of Technologies by 2010, India, pp 193-196, Jan 2001.
19. **P. Dananjayan**, "Performance Evaluation of Multistage Interconnection Networks Using A New Queuing Model", Proc. National Seminar on Convergence of Technologies by 2010, India, pp. 197-200, Jan 2001.
20. G. Sivaradje and **P. Dananjayan**, "Influence of the handoff process on the channel holding time distribution for cellular systems" Proc. National Seminar on Convergence of Technologies by 2010, India, pp. 210-212, Jan 2001.
21. G. Sivaradje and **P. Dananjayan**, "Implementation of Intranet Electronic Mailing System" Proc National Seminar on Convergence of Technologies by 2010, India, Jan 2001.
22. G. Sivaradje and **P. Dananjayan**, "Performance Analysis of RM Cell Based Connection Splitting of ATM Networks," Proc. Eighth National Conference on Communications, IIT Mumbai, pp 175-179, Jan 2002.
23. G. Sivaradje, L. Nithyanandan and **P. Dananjayan**, "Performance Evaluation of An Orthogonal Frequency Division Multiplexing System," Proc. Eighth National Conference on Communications, IIT Mumbai, pp 393-397, Jan 2002.
24. **P. Dananjayan**, "Response Time Analysis For Wireless Broadcast Data Delivery Multiplexing System," Proc. Eighth National Conference on Communications, IIT Mumbai, pp 443-447, Jan 2002.
25. L.Nithyanandan and **P. Dananjayan**, "A Guaranteed Rate Allocation Algorithms for ATM-ABR service with and without connection estimation" Proc. National Conference on Communications (NCC), pp. 334-338, IIT Madras, Chennai, India, January 2003.
26. **P. Dananjayan**, "Optimal Coding and Resource Utilization for Real-Time MPEG over ATM Network" Proc. IEEE TENCON, India, pp 907-912, August 2003.
27. G. Sivaradje and **P. Dananjayan**, "A Distributed Call Admission Control for Two Dimensional Cellular Array System" Proc. National Conference, Arunai Engg College, Tiruvanmalai, India, December 2003.
28. L.Nithyanandan and **P. Dananjayan**, "Optimized call Admission Scheme for heterogeneous services in CDMA based wireless access network" Proc. National Conference on Emerging Trends in Communication and Networks, Tiruvanmalai, India, December 2003.
29. G. Sivaradje and **P. Dananjayan**, "Source Model for VBR-Video Traffic Over ATM Networks" Proc. National Conference on Communications (NCC), IIT Madras, Chennai, India, January 2003.

30. G. Sivaradje and **P. Dananjayan**, “A Guaranteed Rate Allocation Algorithm for ATM-ABR Service with and without Connection Estimation” Proc. National Conference on Communications (NCC), IIT Madras, Chennai, India, January 2003.
31. G. Sivaradje and **P. Dananjayan** , “Fuzzy Based Dynamic Connection Admission Controller For ATM Networks” Proc. Digital Aided Modelling and Simulation, Coimbatore, India, Jan 2003.
32. K. Jayanthi and **P. Dananjayan**, “Smooth Play out Mechanism for Real Time Traffic over Wireless Networks”, Proc. National Conference on Emerging Trends in Communication and Networks, AECOVISION, Arunai Engineering College, Thiruvanamalai, 26<sup>th</sup> – 27<sup>th</sup> Dec 2003.
33. Rakesh.S, Sithifaridha Natchiyal, Jeevananthan.S and **P. Dananjayan**, “Digital Harmonic Analyzer,” Proc. National Conference, Andal Alagar Engineering College, India, 2004.
34. **P. Dananjayan**, “GFR – A New Service Category to Support TCP Traffic over ATM “, Proc. NCC, IISc, Bangalore, Jan 31<sup>st</sup> – Feb 2<sup>nd</sup> 2004.
35. **P. Dananjayan**, “A novel low cost slope transducer for static and dynamic conditions”, Proc. The control Instrumentation System Conference (CISCON), MIT, Manipal, India, pp.146-150, November 5-6, 2004.
36. S Jeevananthan, **P.Dananjayan** and K.N.Senthil Kumar,” Power Quality Solution through Active Filtering and Simulink Implementation of SVM”, Proc. National Conference on Advancement in Electrical and Mechanical Engineering, Villupuram, India 20<sup>th</sup> -21<sup>th</sup> February 2004.
37. L. Nithyanandan and **P. Dananjayan**, “Hybrid Interference Cancellation Receiver for DS CDMA Systems”, Proc. Tenth National conference on Communication NCC organized by the Joint Telematics Group of the IIT’s/IISc at the Indian Institute of Science, Bangalore, pp. 577-581, January 30-February 1, 2004.
38. P. Thirusakthimurugan and **P. Dananjayan**, “A novel low cost slope transducer for static and dynamic conditions”, Proc. The control Instrumentation System Conference (CISCON), November 5-6, pp.146-150, MIT, Manipal, India, 2004.
39. S.Jeevananthan, S. Venkatesan, S. Vijayasamundiswary and **P.Dananjayan**,” Harmonic spectrum analysis of high frequency series switching DC/AC converters”, Proc. 7<sup>th</sup> ISTE Annual Convention and National Seminar, RAGAME, pp. 125-129, Pondicherry, India, Nov. 2004.
40. L.Nithyanandan and **P.Dananjayan**,”Integrated Services over the ATM based Personal Communication Networks ”, Proc. of 7<sup>th</sup> ISTE Annual Convention and National Seminar, on Recent Advances, Growth and Achievements in Modern Engineering towards 2020, pp.59-63, Pondicherry, India, Nov. 2004.
41. G. Sivaradje and **P. Dananjayan** “VHDL Implementation of Text To Speech Converter for Satellite Radio Receivers” Proc. NCC2004, Bangalore, India, Jan 2004.
42. P. Thirusakthimurugan and **P. Dananjayan**, “A Robust Controller Design for PMBLDC Motor Drive”, Proc. National System Conference Vellore, India, pp. 67-71, December 16-18, 2004.

43. P. Thirusakthimurugan and **P. Dananjayan**, "A novel low cost slope transducer for static and dynamic conditions", Proc. Control and Instrumentation system Conference, CISCON, Manipal, pp.46-150, Nov. 2004.
44. G. Jayganesh, S. Venkatesan, S. Jeevananthan, and **P.Dananjayan**, "Modelling and analysis of conducted EMI emissions of a single-phase PWM inverter", Proc. Power Engineering Practices and Energy Management (PEPEM), pp. 454-459, Patiala, India, 2005.
45. K.Jayanthi , G.F. Sudha and **P. Dananjayan**, "GFR - A New Service Category to Support TCP Traffic over ATM", Proc. National Conference on Communication, NCC, IISC, Bangalore, Jan 31<sup>st</sup>–Feb 2<sup>nd</sup> 2004.
46. K.Jayanthi and **P.Dananjayan**, "A Novel CAC Scheme for Heterogeneous Services in Cellular Mobile Networks", Proc. National Conference on Communications, NCC, IIT Kharaghpur, 28-30<sup>th</sup> January 2005
47. L. Nithyanandan and **P. Dananjayan**, "Modified frame synchronization Algorithm for MC CDMA System", Proc. of 11<sup>th</sup> National conference on Communications NCC, pp. 119-123, January 28-30, 2005.
48. N. Alamelu and **P. Dananjayan**, "Sub channel Power Control for MC-CDMA System Using Fuzzy PI Control Algorithm", Proc. of 12<sup>th</sup> National conference on Communications, NCC, IIT, New Delhi. Jan 2005.
49. P. Thirusakthimurugan and **P. Dananjayan**, "Modeling and simulation of Transducer less closed loop control of PMBLDC motor using direct back EMF method" Proc National conference on Power engineering practices and management, TIET , Punjab, pp.83-85, Jan 2005.
50. P. Thirusakthimurugan and **P. Dananjayan**, "Highway addressable remote controller using Intel 8088" Proc. National conference on Industrial problems on machines and mechanisms-IPROMM, IIT Kharagpur, West Bengal, Feb 2005.
51. P. Thirusakthimurugan and **P. Dananjayan**, "A new low cost muscle strength testing system for Neuroleptic patients" Proc. of Indian conference on Medical informatics and Telemedicine-ICMIT, IIT Kharagpur, pp. 171-174, March 2005.
52. K. Jayanthi and **P. Dananjayan**, "A Novel CAC Scheme For Heterogeneous Services in Cellular Mobile Networks" Proc. NCC, IIT Kharagpur, 28<sup>th</sup> – 30<sup>th</sup> January 2005.
53. P. Thirusakthimurugan and **P. Dananjayan** "A new robust controller scheme for PMBLDC motor Drive- An energy efficient approach", Proc. International conference on PEITSICON, pp-224-227, Jan 28-29, 2005.
54. G. Sivaradje and **P. Dananjayan** "Direction of Arrival Based Interference Reduction And Capacity Enhancement Using Smart Antennas In CDMA Networks", Proc. URSI 2005, Delhi, India, December 2005.
55. L.Nithyanandan and **P. Dananjayan**, "Analytical BER Computation for Interference Cancellation Receiver in MC CDMA System", Proc. of XVIII URSI General Assembly 2005, Delhi, India, October 2005.
56. Alamelu.N and **Dananjayan.P**, "Subchannel Power Control for MC-CDMA System using Fuzzy PI control Algorithm", Proc. National conference of Communications, NCC, pp. 478-482, New Delhi, January, 2006.

57. G Pavankumar, S Jeevananthan and **P.Dananjayan**, "Frequency Domain Analysis of Adjustable Speed Drive Systems," Proc. National Conference on Recent Trends in Electrical, Electronics and Computer Science Engineering, Jerusalem Engineering College (JCECON), Chennai, 2006.
58. R.Nandhakumar, S.Vasanthakumar, S.Jeevananthan and **P.Dananjayan**, "Carrier Function Variations in SPWM Inverter and GUI Tool for Accurate Performance Analysis," Proc. of National Conference on Recent Trends in Electrical, Electronics and Computer Science Engineering, Jerusalem Engineering College (JCECON), Chennai, 2006.
59. V.Vijayalakshmi, G. Sivaradje and **P. Dananjayan**, "QoS Multicast Routing in Overlay Networks", Proc. of National Conference on microelectronics and communication, pp1-5, 24-25<sup>th</sup> March 2006, Chennai.
60. N.Alamelu and **P.Dananjayan**, "Subchannel Power controlled MC-CDMA systems with Adaptive Beamforming", Proc. National Conference on Communications, NCC 2008.
61. R.Shankar and **P.Dananjayan**, "Interconnections of power controls for multicarrier CDMA wireless communications system", Proc. of First National Conference on Instrumentation Systems Measurement and Automation, pp 35 – 40, 2008.
62. R.Shankar and **P.Dananjayan**, "New MAC Protocol with Qos for Wireless LANS", Proc. of National conference on Current Trends towards Converging Technologies, Coimbatore, 2008.
63. R.Shankar and **P.Dananjayan**, "Capacity Improvement of WCDMA Cellular Systems with Adaptive Sectorisation and Non Uniform Traffic", Proc. National conference on Communication Technologies, pp. 1-4, Sivakasi, 2008.
64. N.Tamilarasan and **P.Dananjayan**, " Call Admission Control for CDMA Mobile Communications Systems Based on Mobility Prediction", Proc. of Third Innovative Conference on Embedded System, Mobile Communication and Computing, Infosys, Mysore, India, pp.39-45, August, 2008.
65. P.Vijayakumar, **P.Dananjayan** and R.Somasekharan, "Effective Key Establishment and Authentication Protocol for Wireless Sensor Networks Using Elliptic Curve Cryptography", Proc. of Third Innovative Conference on Embedded System, Mobile Communication and Computing, Infosys, Mysore, India, pp.129-137, August 2008.
66. N.Tamilarasan, **P.Dananjayan** and P.Vijayakumar, "Performance Enhancement of Energy Efficient Routing Protocols in Ad-hoc Networks", Proc. of Third Innovative Conference on Embedded System, Mobile Communication and Computing, Infosys, Mysore, India, pp.353, August 2008.