Department of Electronics and Communication Engineering
Pondicherry Engineering College

Dr. S. TAMILSELVAN
B.E., M.Tech., Ph.D., MISTE
ASSOCIATE PROFESSOR

Journals

1. **S.Tamilselvan,** K.Manivannan, 'Allocation of power for Universal Mobile Telecommunication Services network during Soft Handoff ', International Journal of Mobile Communications, volume 7, Issue 3, 2009, pp 382-393, ISSN: 1470-949X.

2. **S.Tamilselvan,** K.Manivannan, 'Performance Analysis for Soft Handoff Schemes in WCDMA Cellular Systems', International Engineering Consortium (IEC Publication), USA, Annual Review of Communications, vol. 61, pp 371-378, 2008, ISBN: 978-1-931695-92-3.

3. **S.Tamilselvan,** D.Vasundhara**,** K.Manivannan, 'Optimal Schemes for Soft handover in Rake Receiver', International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences, volume 2, Issue 2, July – December 2009, pp 802-807, ISSN: 0974-3588.

4. **S.Tamilselvan,** K.Manivannan, 'Enhancement of Channel Efficiency for CDMA Systems using New Soft Handoff Scheme', International Journal of Wireless Communication, volume 1, Issue 2, May 2009, pp 108-115, ISSN: 0974-9756.

5. **S.Tamilselvan,** S.Kalaiselvan, K.Manivannan, 'Adaptive Soft Handover Algorithm For UMTS Systems', International Journal of Wireless Communication, volume 1, Issue 2, May 2009, pp 121-125, ISSN: 0974-9756.

6. **S.Tamilselvan,** K.Manivannan, "Optimisation of Soft Handoff Margin in WCDMA Cellular System," *Special Issue on: "Techniques and Protocols for Merging Wireless and Mobility Services,*" *International Journal of Communication Networks and Distributed Systems,* vol. 4, no. 3, pp. 254-264, 2010. ISSN: 1754-3916.

7. **S.Tamilselvan,** K.Manivannan, "Improving Capacity and Coverage for Multirate Soft Handoffs in WCDMA Cellular Systems" *International Journal of Advanced Networking and Applications,* vol. 1, no. 3, pp. 193-197, Dec. 2009, ISSN 0975-0290.

8. **S.Tamilselvan,** K.Manivannan "Optimization of Soft Handover Margin in WCDMA Cellular System," *The IUP Journal of Telecommunications*, vol. II, No.2, pp.14-25, May 2010, ISSN 0975-5551.

9. **S.Tamilselvan,** S.Vasanthakumar and G.Annalakshmi, "A Class of Non-Linear Signal Processing Scheme for PMEPR Reduction in MC-CDMA Systems," *International Journal of Wireless Communication*, vol. 1, no. 3, pp. 121-125, May 2010, ISSN: 0974-9756.

10. **S.Tamilselvan,** C.Tamizhselvan, " IEEE 802.21 Media Independent Handover Mechanism for Heterogeneous Networks" *International Journal of Wireless Communication*, Vol.4, No.4, pp. 195-199, March 2012, ISSN: 0974-9756.

11. **S.Tamilselvan,** "A Class of Non-Linear Signal Processing Scheme for PMEPR Reduction in MC-CDMA Systems" International Journal of Computer Applications in Engineering Technology and Sciences, Vol. 4, Issue 2, April 2012, ISSN: 0974-3596.

12. **S.Tamilselvan,** "A Non-Linear Scheme for PMEPR Reduction in MC-CDMA System" International Journal of Computer Science & Engineering Technology, Vol. 3, Issue 3, March 2012, ISSN: 2229-3345.

13. **S.Tamilselvan,** R.Madhivanan and K.M.Rajasekaran, "Optimization of Call Admission Control in Wireless Networks" *International Journal of Wireless Communication*, Vol. 4, Issue 7, May 2012, ISSN: 0974-9756.

14. **S.Tamilselvan** and K.M.Rajasekaran, "Optimal Bandwidth Allocation for ERTPS in Mobile WiMAX Networks" *International Journal of Wireless Communication*, Vol. 4, Issue 7, June 2012, ISSN: 0974-9756.

15. **S.Tamilselvan** and D.Prabakar, " LTE Approach for Real Time Applications in Telemedicine using FMC" *International Journal of Engineering Research & Technology*, Vol. 2, Issue 10, October 2013, ISSN: 2278-0181.

16. **S.Tamilselvan,** R.Gajalakshmi and D.Prabakar, "Cooperative Relay Based Resource Allocation for OFDMA Network" *International Journal of Engineering and Advanced Technology*, Volume-3, Issue-2, December 2013, ISSN: 2249-8958.

17. **S.Tamilselvan,** S.Savitha and D.Prabakar, "An Efficient Spectrum Sharing and Interference Reduction for Cellular Network" *International Journal of Engineering and Advanced Technology*, Volume-3, Issue-2, December 2013, ISSN: 2249-8958.

18. **S.Tamilselvan** and G.Annalakshmi, "Hybrid Filter Bank with Digital Synthesis Filter", *International Journal of Electronics and Communication,* Volume-2, Issue-7, July 2014, ISSN 2321-5984.

19. **S.Tamilselvan** and V.Kamalakannan, "Implementation of Pipelined ADC Using Open-Loop Residue Amplification", *International Journal of Electronics and Communication,* Volume-2, Issue-7, July 2014, ISSN 2321-5984.

20. **S.Tamilselvan**, V.Kamalakannan, "Security enhancement of text message based on matrix approach using elliptic curve cryptosytem" ***Elsevier*** *Procedia Material Science 10 (*2015), pp.489-496.

21. **S.Tamilselvan,** R.Gajalakshmi, "Resource Allocation for OFDMA Macro/Femto Networks" *International Journal of Applied Engineering Research*, Volume-10, Issue-63, 2015, ISSN 0973-4562.

22. **S.Tamilselvan,** V.Anilkumar, V.Kamalakannan and V.M.S.N.Pavan Kumar.CH, "Design Analysis and FPGA Implementation of N Bit Vedic Multiplier Based on Different Adder Architectures", *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE),* Volume-4, Issue-8, August 2015, ISSN 2319-5940. (Impact Factor: 4.582).

23. **S. Tamilselvan**, CH.V.M.S.N. Pavan Kumar, "A Review on 3GPP Femtocell Networks and its Technical Challenges", Indian Journal of Science and Technology, ISSN: 0974 -5645, Vol-9, Issue-16, April 2016. (**Scopus**)

24. **S.Tamilselvan**, Erna Guguloth, "Progressive fault Tolerant Filter Based on MCM", Australian Journal of Basic and Applied Sciences, 10(12) July 2016, Pages: 155-159, ISSN:1991-8178 EISSN: 2309-8414.

25. **S.Tamilselvan**, V.Kamalakannan , "Architecture for the Cloud Integrated Internet of Things", Indian Journal of Science and Technology, Vol 9(45), December 2016, p. 1-13, DOI: 10.17485/ijst/2016/v9i45/106147.

26. **S.Tamilselvan**, V.Kamalakannan , "Design of Secured and Intelligent Architecture for Security in Perceptual Layer of the Internet of Things", Indian Journal of Science and Technology, Vol 10(1), January 2017, page 1-9. DOI: 10.17485/ijst/2017/v10i1/109387.