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Journals:

1. **K.Jayanthi** ,K.Thenmozhi and P.Dananjayan, Traffic Enforcement Mechanism in ATM using neural network”, **IETE Technical Review**, vol 21, no.4, , pp.241-246, July- August 2004.(ISSN No. 0256-4602).
2. **K.Jayanthi** and P.Dananjayan “Prediction Based Smart Scheduler Using Neural Network for Wireless Networks”, **AMSE Journal on Signal Processing and Pattern Recognition Advances B**, France, vol 49, no.3, pp.13-24, 2006 (ISSN No. 0021-8936).
3. **K.Jayanthi**, K.Varadharajan, A.Arunkumar 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”**, vol.52, nos.2 and 3, pp.207-213 March-June 2006 (ISSN No. 0377-2063).
4. **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, January 2006 (ISSN No. 1744-2869)
5. **K.Jayanthi** and P.Dananjayan, “A novel link adaptation scheme for wideband CDMA systems”, **ICFAI University Journal of Telecommunications**, Vol.1, No.1, pp.20-36, August 2009.
6. **K.Jayanthi** and Sudha Nancy, “Chaotic code optimization for interference reduction in DS-CDMA systems”, **International Journal of computer sciences and Engineering systems**, vol.4, no.1, pp.1-6, January 2010. (ISSN: 0973-4406)

7. Kumaratharan.N, **Jayanthi.K** and Dananjayan.P, “Performance Enhancement of MC-CDMA System through STTC based STBC Site Diversity”, [International Journal of Computer Science and Information Technologies](#), vol.1, no.2, pp.86-92, 2010. (ISSN: 09759646)
8. **K.Jayanthi** and P.Dananjayan, “ Improving antijamming characteristics of spread spectrum communication systems”, **Special issue on context awareness and self managing systems - International Journal of Autonomous and adaptive communication systems**, , vol. 5, No.1, pp.77-87, 2012. (ISSN.1744-2869)
9. **K.Jayanthi** and P.Dananjayan, “Channel Estimation for multi-user MIMO-OFDM system” **ICFAI University Journal of Telecommunications**, vol. II, No. 4, Nov. 2010
10. **K.Jayanthi** and Sudha Nancy, “Chaotic code optimization for interference reduction in DS-CDMA systems”, *International Journal of computer sciences and Engineering systems*, vol.4, no.3, pp.191-195, July 2010. (ISSN: **0973-4406**).
11. PillaJagadeesh and **K. Jayanthi**, “A Novel resolution Enhancement scheme based on edge directed interpolation using DT-CWT for satellite Imaging applications”,*International Journal of communication and Information Technology (IJCIT)*, Vol.2, No. 1, June 2011. (ISSN: **2218-5224**).ISSN **2078-5828 (PRINT)**, ISSN **2218-5224 (ONLINE)**, MANUSCRIPT CODE: **110710**
12. S.Kalaimaniand **K.Jayanthi**, “Spectral Entropy Based VAD Using Teager Energy Operator And HOS, **International Journal Of Electronics Circuits And Systems**, Vol. 1,issue no. 1, pp. 17-22, Feburary 2012.
13. Thilagam.K and **Jayanthi.K**, “Analytical Evaluation of a Hybrid Chaotic Shift Keying [CS-CSK] in a CDMA System”, *International Journal of Computer Applications (IJCA)*, Volume 54– No.15, September 2012.
14. B.Shoba and K.Jayanthi, “Performance Improvement of MIMO OFDM systems through channel estimation ”, *International Journal of Wireless & Mobile Networks*, Vol. 4,No. 5, pp.49-59,October 2012
15. Thilagam.K and **Jayanthi.K**, “Multiuser BER Analysis of CS-QCSK Modulation Scheme In A Cellular System”, *International Journal of Wireless & Mobile Networks (IJWMN)*, Vol. 4, No. 6, December 2012

- 16. K.Jayanthi**, Subash.c, Venketesh, Reduced Link Failures through Autonomous Reconfiguration System for Wireless Mesh Networks, Vol.2, No.2, pp.288-292, Feb 2013.
- 17. Thilagam.K and Jayanthi.K**, “ A Novel Chaotic Modulation Scheme in a Cooperative Relaying System”, *International Journal of Computer Applications (IJCA)*, Volume 76–No.9, August 2013
- 18. Thilagam.K and Jayanthi.K**, “A Low Complex Modified Golden Code In A Cooperative Relaying System”, accepted by *International Journal of Computer Networks & Communications (IJCNC)*, Vol.5, No.7, June 2014.