

Papers published in International Journal

1. S. Geetha, P. Amritvalli, "Design of High Speed Error Tolerant Adder Using Gate Diffusion Input Technique", Journal of Electronic Tesing, **Springer**, vol. 35, issue. 3, May 2019.
2. S. Geetha, P. Amritvalli, "High speed Error Tolerant Adder for Multimedia applications", Journal of Electronic Tesing, **Springer**, vol. 33, issue. 5, October 2017. Impact Factor 0.647
3. **S. Geetha** and S. Gouthami, "Internet of things enabled real time water quality monitoring system", Smart Water, **Spinger**, vol. 2, issue 1, July 2017.
4. **S. Geetha**, R.Sathya priya, "Smart Agriculture Irrigation control using Wireless Sensor Networks, GSM and Android phone", Asian Journal of Information Technology, vol. 15, issue 19, pp. 3780-3786, 2016
5. A.L. Monika and **S. Geetha**, " Performance Evaluation and Comparative Analysis of Full Adder Cells", International Journal on Digital Aided Modeling and Simulation, Vol. 1, Issue 1, pp. No 42-49, January 2015
6. Benila.B, S. Vasantharathna and **S.Geetha**, "Estimation of State of charge in Lead Acid Batteries using Extended Kalman Filter", International Journal of Industrial Electronics and Electrical Engineering, Vol. 2, Iss 6, June 2014
7. **S.Geetha** and R.Jayaparvathy, "Congestion free fair resource allocation scheme for IEEE 802.16 WiMAX networks", European Journal of Scientific Research, vol. 81, no.2 , 2012, pp. 179-189, ISSN 1450-216X
8. **S.Geetha** and R.Jayaparvathy, " Dynamic weight based fair resource allocation in IEEE 802.16 broadband wireless access networks", International Journal of Computer Applications, vol. 45, May 2012, DOI:10.5120/6742-8660
9. **S.Geetha** and R.Jayaparvathy, "Generalized stochastic petrinet approach to model bandwidth allocation in IEEE 802.20 MAC", ICGST-CNIR journal, vol.10, issue 1, pp 67 – 76, December 2010.
10. **S.Geetha** and R.Jayaparvathy, "Modeling and Analysis of Bandwidth Allocation in IEEE 802.16 MAC : A Stochastic Reward Net Approach", International Journal of Network and System Sciences , vol. 3, issue 7, pp 631 – 637, July 2010, ISSN : 19133715.

10. **S.Geetha** and R.Jayaparvathy, "Dynamic Bandwidth Allocation for Multiple Traffic Classes in IEEE 802.16e WiMax Networks: A Petrinet Approach", Journal of Computer Science, DOI : 10.3844/jcssp.2011.1717.1723, Volume 7, Issue 11, Pages 1717 – 1723.

Papers in National Conference

1. R.Sathyapriya and **S.Geetha**, " Smart farming System for Agriculture Irrigation Control using Android Application and ZigBee" in the national Conference on Signal processing, Information and Communication Engineering (SPICE'16) held during 22nd April 2016, Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore 14

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1. S.Geetha, D.Cicilia, "Internet-of-Things enabled Intelligent Bus Transportation System", IEEE International Conference on Communication and Electronics Systems (ICCES 2017) , 19-20 October 2017 at Coimbatore
2. Dr. S.Geetha, Dr. A.Kavithamani, Ms.A.L.Monika, "Comparative Analysis of Various CMOS Multiplier Circuits Using GDI and Hybrid Adder Structures", International Conference on "Advances in Control and Computing of Analog and Digital Systems (ACCADS 2014)" organized by the Department of EEE, Coimbatore Institute of Technology, India, 29-31st December 2014.
3. Ms.A.L. Monika, Dr.S.Geetha, "Performance Evaluation and Comparative Analysis of Full Adder Cell", International Conference on Advances in Control and Computing of Analog and Digital Systems held from 29th to 31st December 2014 organized by Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology
4. B.Benila, S.Vasantharathna and **S.Geetha**, "Estimation of State of Charge In Lead Acid Batteries Using Extended Kalman Filter", International Conference on Electrical, Electronics and Communication Engineering, ICEECE, Coimbatore, 9th March , 2014.
5. R.Jayaparvathy and **S.Geetha** , "A Generalized Stochastic Petri Net approach for modeling and analysis of WiMax Networks", International Conference on Embedded Systems , ICES 2010, Coimbatore Institute of Technology, 14th – 16th , July 2010
6. R.Jayaparvathy and **S.Geetha** , "Resource Allocation and Game Theoretic Scheduling with Dynamic Weight Assignment in IEEE 802.16 Fixed Broadband Wireless Access Systems ", International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2008, Edinburgh, UK , June 16th -18th , June 2008, ISBN: 978-1-56555-320-0
7. R.Jayaparvathy and **S.Geetha** , "Dynamic Resource Allocation and Game Theoretic Scheduling in IEEE 802.16 Fixed Broadband Wireless Access Systems", Third International Conference on Communication System Software and Middleware, Poster

Session, COMSWARE 2008 , Bangalore , India, 5th -10th January 2008.

8. R.Jayaparvathy and **S.Geetha** , "Resource Allocation and Game Theoretic Scheduling in IEEE 802.16 Fixed Broadband Wireless Access Systems", 4th International Conference on Innovations in Information Technology (Innovations'07) Dubai, UAE, November 18th -20th, 2007, ISBN: 978-1-4244-1840-4