

Department of Electronics and Communication Engineering

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International/ National Conferences

1. K.Viswanath, R.Gunasundari, "Kidney Stone Detection from Ultrasound Image by Level Set Segmentation and Multilayer Perceptron ANN," *Elsevier International Multi Conference on Innovations in Engineering and Technology*, pp.38-48, August 2014.
2. R.Divya and **R.Gunasundari**, 'Node Localization in Wireless Sensor Network Under Non-Line-Of-Sight Scenario', International Conference on Signal Processing, Embedded System and Communication Technologies and their applications for Sustainable and Renewable Energy, pp 309-312 April 2014.
3. R.Divya and **R.Gunasundari**, 'Non-Line-Of-Sight Based On Range Map Stitching in Wireless Sensor Network, National Conference on Intelligent Systems Computing and Information Technology, pp 366-370 May 2014.
4. K.Ilanchezian and **R.Gunasundari**, 'Improved MIMO Based WLAN Security Using Artificial Noise', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 29-33, 5-6 July 2013.
5. V.Devarajan, D.Megalajothi and **R.Gunasundari**, 'QoS-Enabled VANET-WIMAX-LTE Integration in Heterogeneous Wireless Networks', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 109-113, 5-6 July 2013.
6. Thokchon Aravind and **R.Gunasundari**, 'Hybrid Feedback Suppression Scheme for Satellite Networks', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 124-128 , 5-6 July 2013.
7. S.V.Mahesh Kumar and **R.Gunasundari**, 'A Comparative Study of Earlier Detection of Cholesterol Using Invasive and Non Invasive Methods', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 325-330 , 5-6 July 2013.

8. K.Viswanath and **R.Gunasundari**, 'Low Power VLSI Based Design and Implementation of MLP-BP Neural Network for Kidney Stone Detection Using Fast Montgomery Multiplier and Carry Save Adder', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 331-336 , 5-6 July 2013.
9. V.Devarajan, T.Uvaraj and **R.Gunasundari**, 'Reliable and Efficient Data Dissemination in VANETS', Proceedings of AICTE sponsored National Conference on Green Technology Concepts for Bridging the Digital Divide using ICT, pp 395-399 , 5-6 July 2013.
10. V.Devarajan, **R.Gunasundari**, D.Megalajothi, T.Uvaraj, 'Performance Analysis of Integrated VANET-LTE Architecture for Wireless Networks', IEEE International Conference on Advanced Research in Engineering and Technology, IEEE ICARET , pp 337-341, Feb 2013
11. V.Devarajan, **R.Gunasundari**, T.Karthik and V.Rajasekaran, 'Integration of VANET-Wimax network', IEEE International Conference on Advanced Research in Engineering and Technology, IEEE ICARET , pp 695- 700, Feb 2013.
12. T.Karthik and V.Rajasekaran, V.Devarajan, **R.Gunasundari**, K.Jayanthi, 'Performance comparison of IEEE 802.11p and Mobile Wimax in Vehicular Communication', IEEE - International Conference on Research and Development Prospects on Engineering and Technology, IEEE ICRDPET, pp 194-199, March 2013.
13. **Dr. R.Gunasundari**, M. Rathan Kumar 'Effective Replica Allocation for MANETS' International Conference on Advances in Engineering and Technology (ICAET), pp 27-28, May 2011.
14. **R.Gunasundari**, R.Arthi, S.Priya and R.Geetha, 'Packet Loss Avoidance Scheme for Mobile Healthcare Wireless Sensor Networks ' Proceedings of the Divisional Conference on Mobile Computing DCMC 2010 11th-12th August, 2010
15. **Gunasundari R.** and Shanmugavel S. (2009), 'Integration of Macro and Micromobility Protocols', Wireless IP communication (WIPcom) workshop held in conjunction with IEEE International Conference on Communication systems and Networks (COMSNETS) Bangalore, India, pp 619 - 626.
16. **Gunasundari R.** and Shanmugavel S. (2009), 'Performance Evaluation of Mobile IPv4 and Mobile IPv6 in IP based wireless Networks', Next generation Interworking (NGInt) workshop held in conjunction with IEEE International Conference on Communication systems and Networks (COMSNETS), Bangalore, India, pp 653 - 659.

17. **Gunasundari R.** and Shanmugavel S. (2008), 'Fault Tolerant HAWAII Micromobility Protocol for Mobile IP services in wireless networks', Proceedings of 4th International Symposium on Frontiers in Networking with Applications (FINA2008) held in conjunction with IEEE 22nd International Conference on Advanced Information Networking and Applications (AINA 2008), GinoWan, Okinawa, JAPAN, pp. 457 – 462.
18. **Gunasundari R.** and Shanmugavel S. (2008), 'Comparison of Fault Tolerant Micromobility Protocols for Wireless Access Networks', Proceedings of IEEE International Conference on Signal Processing, Communications and Networking (IEEE ICSCN 2008), Organized by IEEE Madras, IETE, and MIT, Anna University, Chennai, pp. 405 -409.
19. **Gunasundari R.**, Tamilselvi A., Subha C., Priyadharshini and Shanmugavel S. (2008), 'Performance Comparison of Mobile IP and Session Initiation Protocols in Wireless Networks', Proceedings of the 4th National Conference on Signals Systems and Communication (NCSSC '08), Anna University, Chennai, pp. 14-15.
20. **Gunasundari R.** and Shanmugavel S. (2007), 'Enhancing the Fault Tolerance of Hierarchical Mobile IP in Wireless Systems', Proceedings of National Conference on Computing for Nation Development (INDIACom), ISSN 0973-7529, ISBN 978 -81-904526-0-1, Organized by IETE, CSI Delhi Chapter and BVICAM, New Delhi, pp. 197-204.
21. **Gunasundari R.** and Shanmugavel S. (2007), 'Performance Comparison of Micromobility Protocols on various topologies with UDP Traffic', Proceedings of International Conference on Modeling and Simulation (CITICOMS), Organized by Coimbatore Institute of Technology, CSIR, New Delhi and Department of Science and Technology, New Delhi, pp. 44-45.
22. **Gunasundari R.** and Shanmugavel S. (2007), 'Fault Tolerant Micromobility Protocols for Wide Area Wireless Networks', Proceedings of International Conference on Modeling and Simulation (CITICOMS), Vol. III, Organized by Coimbatore Institute of Technology, CSIR, New Delhi and Department of Science and Technology, New Delhi, pp. 55-56.
23. **Gunasundari R.**, Bakyalakshmi K. and Shanmugavel S. (2007), 'Performance of HAWAII Micromobility Protocol for different topologies in IP Networks', Proceedings of 2nd National Conference on Trends in Industrial and Commercial Applications of Electronics (TICAE), Sathyabama University, pp.142-147.
24. **Gunasundari R.**, Divya M. and Shanmugavel S. (2007), 'Study of Cellular IP Protocol for Mobile Wireless Networks', Proceedings of 2nd National Conference on Trends in Industrial and Commercial Applications of Electronics (TICAE), Sathyabama University, pp.148-152.

25. **Gunasundari R.** and Shanmugavel S. (2007), 'Robust Hierarchical Mobile IP for Wireless Networks' Proceedings of International Conference on Advances in Electronics and Communication (icon ADELCO), ISBN: 978-81-904334-0-2, National Engineering College, Tamilnadu, pp. 85 -95.
26. **Gunasundari R.** and Shanmugavel S. (2006), 'Signaling cost Analysis of Fault Tolerant Hierarchical Mobile IP', Proceedings of IEEE International Conference on Communication and Power system (ICCPS), Velammal Engineering College, Chennai and IEEE Madras Section, pp. 148-154.
27. A.R.Gunabarathy and R.Gunasundari, 'Actuator Fault Estimation Using Unknown Input Observer', Proceedings of International Conference on Communication and Power system(ICCPS), Velammal Engineering College, Chennai and IEEE Madras Section, pp 73 -77, December 14 -16, 2006.
28. **Gunasundari R.** and Shanmugavel S. (2006), 'A load disseminated mobility management for multistratum Hierarchical in Mobile IP based Wireless System' Proceedings of International Conference on Recent Trends in Information Systems (IRIS), ISBN: 81-7764-954-X, National Engineering College, Tamilnadu, pp. 226-239.
29. **R.Gunasundari**, G.Sivaradje and V.Prithiviraj, 'VHDL implementation of text to speech converter for satellite radio receivers', Proceedings of the 10th National Conference on Communicatios(NCC), Indian Institute of Science, Bangalore, pp 274 – 278, January 30 – Feb 1, 2004.
30. **R.Gunasundari**, G.Sivaradje and V.Prithiviraj, 'Source model for VBR-Video traffic over ATM Networks', Proceedings of the 9th National Conference on Communicatios(NCC), Indian Institute Technology, Madras, pp 314-318, January 31 – Feb 2, 2003.
31. **R.Gunasundari** and S.Palanivel, 'A frame work for virtual learning/ classroom and its implementation issues in India', Proceedings of National Conference on Emerging Trends in Engineering Education, organized by AICTE and Engineering Education Foundation, Pune, pp 102 - 103, October 25-26, 2002.
32. **R.Gunasundari**, S.Sakthivel Murugan, G.Sivaradje and P.Dananjayan, 'Response time analysis for wireless broadcast data delivery system', Proceedings of the 8th National Conference on Communicatios(NCC), Indian Institute Technology, Bombay, pp 443-447, January 25 – 27, 2002.
33. **R.Gunasundari**, G.Sivaradje and P.Dananjayan, 'Image segmentation based on colour classification', Proceedings of AICTE- ISTE National Conference on Document Analysis and Recognition, P.E.S College of Engg., Karnataka, pp 181- 186, July 13-14, 2001.

34. **R.Gunasundari** and G.Sivaradje, 'Influence of Handoff process on channel holding Time distribution', Proceedings of the National Seminar on Convergence of Technology by 2010, Arunai Engineering College, Tiruvannamalai, Tamil Nadu, pp 210 - 212 January 20- 21, 2001.
35. **R.Gunasundari** and V.Prithiviraj, 'A Global Communication Network Employing low earth orbiting satellites', Proceedings of the National Seminar on Convergence of Technology, Arunai Engineering College, Tamil Nadu, pp 213 - 217 Jan. 20- 21, 2001.
36. **R.Gunasundari**, G.Sivaradje and V.Prithiviraj, 'ATM based routing for non Geo Stationary Satellites', Proceedings of the International Conference ASIA – PACIFIC TELECOM on Advances in Telecommunication and Information Technology, VIT, Vellore, pp 71 – 78, December 14-15, 2000.