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G.S.Biradar received the B. E. degree in Electronics and Communication Engineering from Gulbarga University Gulbarga India, in 1990, M.Tech. degree in Telecommunication Systems Engineering from the Indian Institute of Technology Khargpur India, in 2002 and Ph.D degree from Indian Institute of Technology Mumbai. India, in 2010. Presently he is working as a professor in Electronics and Communication dept., of P.D.A.College of Engineering Gulbarga , Karnataka (An autonomous institute affiliated to Visvesvaraya Technological University (VTU) Belagavi Karnataka) . He has more than 24 years of experience in teaching and research. His broad area of research interest is in wireless communication, wireless sensor networks, multiuser detectors, ultra wide band communication and signal processing and has published extensively in these areas..

He is a reviewer for many leading international and national journals and conferences. He has published five international journal papers and twenty-seven international conference papers. He is a recipient of best technical paper award of Shri Harivallabhdas Chunnilal Shah research endowment award for the year 2010 from Sardar Patel university Anand, Gujrat.

Dr. G S Biradar is life member of ISTE and IEI.

PUBLICATION DETAILS

International Journal Papers:

- 1) G.S.Biradar, S.N.Merchant, U.B.Desai, "Frequency and Time Hopping PPM UWB Multiple Access Communication Scheme", International Journal of Communication (JCM), Vol I, Feb. 2009.
- 2) G.S. Biradar, S.N. Merchant, U.B.Desai, "Chip Equalized Adaptive Rake Receiver for DS-CDMA UWB Systems," IETE Journal of Research, vol. 56, no. 2, pp. 94-101, Mar-Apr. 2010
- 3) Lata, G.S.Biradar and Shilpa Biradar, "Optimal routing and data aggregation for maximizing the network lifetime of wireless sensors", International journal of advanced engineering sciences and technology, vol. 10, no.1, pp.104-110.
- 4) G.S.Biradar, S.N.Merchant and U.B.Desai, "Performance of constrained blind adaptive DS-CDMA UWB multiuser detector in multipath channel with IEEE 802.11a interference" Int. J. Ultra wideband Communication and systems, Vol.2, No.3, 2012
- 5) Jayashree Agrakhed, G.S. Biradar and V.D. Mytri " Prioritized region scheduling based QOS routing over WMSN" International Journal of Information Technology and Knowledge Management July-December 2012, Volume 5, No. 2, pp. 413-420

International Conference Papers:

- 1) G.S.Biradar and R.V.Rajakumar, "A recursive least squares blind multiuser detector for wireless systems", IEEE TENCON, Beijing China, Oct. 2002.
- 2) N.V.Marathe, G.S.Biradar, S.N. Merchant, U.B.Desai, "An Comprehensive Call Management Strategy for Congestion Control in Cellular Networks" ,IEEE International Conference on Communication Systems, Software and Middleware (COMSWARE'07), Bangalore, India, Jan. 2007
- 3) G.S.Biradar, S.N.Merchant, U.B.Desai, "Adaptive Time Hopping PPM UWB Multiple Access Communication Schemes", IEEE International Symposium on Communications, Information Technologies (ISCIT'07), Sydney, Australia, Oct. 2007
- 4) G.S.Biradar, S.N.Merchant, U.B.Desai, "Adaptive Frequency and Time Hopping PPM UWB for Multiple Access Communication", IEEE International Conference on Information, Communications and Signal Processing (ICICS'07), Singapore, Dec. 2007

- 5) G.S.Biradar, S.N.Merchant, U.B.Desai, "Constrained Blind Adaptive Multiuser Detector for DS-CDMA UWB in Multipath Channels", IEEE International Symposium on Spread Spectrum Techniques and Applications (ISSSTA'08), Bologna, Italy, Aug. 2008
- 6) G.S.Biradar, S.N.Merchant, U.B.Desai, "An Adaptive MMSE-RAKE Receiver for DS-CDMA UWB Multipath Channel" International Conference on Wireless Personal Multimedia Communications Symposium (WPMC'08), Lapland, Finland Sept. 2008
- 7) G.S.Biradar, S.N.Merchant, U.B.Desai, "Performance of Constrained Blind Adaptive DS-CDMA UWB Multiuser Detector in Multipath Channel with Narrowband Interference", IEEE Global Communication Conference (Globecom'08), New Orleans, USA, Nov-Dec. 2008.
- 8) Lata and G.S.Biradar, "Optimal routing and data aggregation for maximizing the network lifetime of wireless sensors", International conference on Communication, Computation, Control and Nano technology (ICN-2010) REC Bhalki, India, Oct 2010.pp-271-274.
- 9) Syeda Fouzia Afreen and G.S. Biradar, "Fuzzy mixed metric approach for optimal routing in MANET based on AODV", International conference on Communication, Computation, Control and Nano technology (ICN-2010) REC Bhalki, India, Oct 2010.pp-354-357.
- 10) Asharani Patil, G.S.Biradar, Ramesh Patil, "Adaptive Rake receiver for multipath channel" International conference on communication and signal processing (ICCSP) Ongole,India Apr-2012.pp. 55-60.
- 11) Asharani Patil, G.S.Biradar, Ramesh Patil, "Adaptive Rake Receiver for Multipath Channel", International Conference on Communication and Signal Processing ICCSP-2012
- 12) A.Jayashree, G.S.Biradar, V.D. Mytri "Review of Multipath Routing protocols in Wireless Multimedia Sensor Network–A Survey" International Journal of Scientific & Engineering Research Volume 3, Issue 7, July-2012
- 13) A.Jayashree, G.S.Biradar, V.D. Mytri "Energy efficeient interference aware multipath routing protocol in WMSN" IEEE conference 2012
- 14) A.Jayashree, G.S.Biradar, V.D. Mytri "Energy Efficient QoS Routing in Multi-Sink Wireless Multimedia Sensor Networks" International Journal of Computer Science and Network Security (IJCSNS) vol 12 no.5 (May 2012): 25-31.

- 15) A.Jayashree, G.S.Biradar, V.D.Mytri, “ Adaptive Multi Constraint Multipath Routing Protocol in Wireless Multimedia Sensor Network” International Conference on Computing Sciences (ICCS), 2012 pp.1-4
- 16) A.Jayashree, G.S.Biradar, V.D.Mytri, “A New QoS Adaptive Multipath Routing in Wireless Multimedia Sensor Network” Fourth International Conference on Computational Intelligence and Communication Networks 2012 pp. 69-73
- 17) A.Jayashree, G.S.Biradar, V.D.Mytri, “ Cluster Based Energy Efficient QoS Routing in Multi-Sink Wireless Multimedia Sensor Networks” 7th IEEE Conference on Industrial Electronics and Applications (ICIEA) 2012
- 18) A.Jayashree, G.S.Biradar, V.D. Mytri, “ Review of Multipath Routing Protocols in Wireless Multimedia Sensor Network –A Survey International Journal of Scientific & Engineering Research Volume 3, Issue 7, July-2012
- 19) Vidya Honguntikar, G.S.Biradar, “Optimization Techniques Incorporating Evolutionary Model in Wireless Sensor Network: A Survey”, IOSR Journal of Computer Engineering (IOSR- JCE), Vol. 16, Issue 5, Ver. II (Sep – Oct. 2014), PP: 19-24.
- 20) Ritesh Saradagi Rukhaiyya Siddiqui Umama Shireen Raje, Wasim Raja, Meenakshi Patil, and G.S.Biradar “Bit error rate performance of orthogonal codes for for DS-CDMA multiuser system in AWGN Channel” Proceedings of 28th IRF International Conference, 7th June 2015, Pune, India pp82-85
- 21) Vidya Honguntikar, G.S.Biradar, “Performance Analysis of GTS Allocation in IEEE 802.15.4 with CSMA/CA for Wireless Sensor Network”, 2015 IEEE International Conference on Computers, Communications, and Systems (ICCCS), 2-3 Nov. 2015, PP: 103-107,
- 22) Vidya Honguntikar, G.S.Biradar, “Anuran Inspired Collision Free Self-organized Transmission Scheduling in Wireless Sensor Network”, 2016 IEEE International conference on Control and Robotics Engineering (ICCRE), 2-4 April 2016,
- 23) Vidya Honguntikar, G.S.Biradar, “Bio-inspired Energy Efficient Collision Free Sleep Scheduled Transmission in Wireless Sensor Network”, International journal of Engineering Research & Technology(IJERT), vol. 5, Issue 5, May-2016, PP: 557-560.
- 24) Asharani Patil, G.S.Biradar, “Comparision of IDMA with other Multiple Access in Wireless Mobile Communication”, 2nd IEEE International Conference on Applied and Theoretical Computing and Communication Technology iCATccT- Bangalore 2016, IEEE Bangalore Section.

- 25) Asharani Patil, G.S.Biradar, "Performance Analysis of Multi User IDMA with CDMA and OFDM", IEEE International Women in Engineering Conference on Electrical and Computer Engineering , IEEE WIECON 2016 [Submitted]
- 26) Shivkumar S.Jawaligi, G. S. Biradar, "Energy and Load based Emergency Data Collection Scheme using Mobile Sink for Wireless Sensor Networks", International Journal of Computer Applications (0975 – 8887) Volume 150 – No.5, September 2016.
- 27) Shivkumar S. Jawaligi, G.S.Biradar, "Reliability and Load Sensitive Data Gathering Protocol for WSNs Using Single Mobile Sink Node", IEEE International Conference on Emerging Technological Trends (ICETT), October 2016.