Conferences & Journals

14. Arijit Chowdhury, Tapas Chakravarty, P. Balamuralidhar "Aggregate driver model to enable predictable behaviour", International Conf. on Mathematical Modeling in Physical Sciences, June 5-8, Greece, (accepted)
15. Pavan Kumar Reddy K, Bharat Venkitesh, Ashley Varghese, Narendra N, Girish Chandra, Balamuralidhar P, "Deformable 3D CAD Models in Mobile Augmented Reality for Tele-assistance", in APMediaCast 2015
21. Rajeev Bhujade, Adithya V, Hrishikesh Sharma, Balamurali P, " DETECTION OF POWER-LINES IN COMPLEX NATURAL SURROUNDINGS" at Intl. Conf. on Digital Image Processing 2013, India
36. Rahul Sinha, Balamuralidhar P, Rajeev Moreshwar Bhujade, “An Upper Audio Band based Low Data Rate Communication modem” - International conference on Signal processing and communication systems ICSPCS, Australia, 2012

40. Ajay Mittal, Bhushan J, Srinivasan Jayaraman, Balamuralidhar P, “mKrishi Wireless sensor network platform for Precision Agriculture “– ICST-2012,Kolkata


42. Balamuralidhar P, Rajan M.A., Hemant Rath, “Robust and Efficient Sensing using Self-Configuration, 14th International conference on distributed computing and Networking-SUMO, Mumbai 2012


46. Rajarajan S,Aravind KG, Girish Chandra, Balamuralidhar, “QoS-enabled Group Communication in Integrated VANET-LTE Heterogeneous Wireless Networks”, IEEE International Conference WiMob-2011, China


56. M.Poorani, V.Vaidehi, M.Rajesh, Bhargavi ,Balamuralidhar and Dr.Grish Chandra, “Semantic Intruder Detection System in WSN” International Conference on Advanced Computing (ICoAC), MIT , Anna University, December 2010

57. P.S.Subramanian, Balamuralidhar P, “Intensional description of autonomic use cases”, ICT ’06, 11-12 May 2006, Funchal, Portugal


59. Dominique Noguet (CEA/LETI), Balamuralidhar P (TCS), Narasimhachar Sortur(TCS), et.al, "An MC-SS platform for short-range communications in the Personal Network context" EURASIP Journal on Wireless Communications and Networking


International Conference on Telecommunications and Malaysian International Conference on Communications (ICT-MICC’07), May 14-17, Penang, Malaysia, 2007


76. Balamuralidhar P, Hokyu Choi, Mirko Presser, Klaus Strohmenger, “MC-CDMA in Personal Area Networks – A Combined PHY and MAC Approach”, Karsten Schoo, MAGNET Workshop, Shanghai, China, 2004


Some of the Publications Co-authored before Year 2000

82. Signal Processing System for Indian MST Radar, Fourth Workshop on technical and scientific aspects of MST Radar, Kyoto, Japan, Nov.’89

83. Computer Simulation of coherent pulse compression Radar for atmospheric studies, 3rd Asia Pacific Microwave Conference, Tokyo, Japan, Sept ‘90.


89. Preliminary observation using ST mode of Indian MST Radar, Detection Signature of Tropopause, Middle atmospheric symposium, radio&Atmospheric science Centre, Kyoto university, Japan, March 21-23, '92.

90. Preliminary observation using ST mode of Indian MST Radar: Detection Signature of Tropopause, National Space Science Symposium, PRL, Mar 11-14, '92


92. Extraction of High quality eind profiles from noisy spectral data of wind profilers, 2nd COST-74 Wind Profiler Workshop, 3-7 May '93, Wiesbaden, Germany.

93. Study of the effects of EMI/EMC on MST Radar Spectral data, 2nd COST-74 Wind Profiler Workshop, 3-7 May '93, Wiesbaden, Germany.

94. Study of aspect sensitivity of ST Radar, 2nd COST-74 Wind Profiler Workshop, 3-7 May '93, Wiesbaden, Germany.

95. Measurement of Horizontal winds using ST mode of Indian MST Radar: Intercomparison with balloon measurements, Middle Atmospheric Workshop, Taiwan, June '93.


98. Signal processing scheme for a subsurface radar to detect water logging in coal mines, APSYM-CUSAT, Cochin University, '94.

99. Sensitivity of subsurface radar range to material conductivity, APSYM-CUSAT, Cochin University, 1994.
Book Chapters


Invited Talks

5. Panelist in “Technologies for Smart Home”- IEEE ISGT-2013, Nov 2013
6. Moderated a Panel Discussion on “Is Internet of Things heading towards downhill on its Hype Cycle?“, ComNet-IoT 2014 Workshop (in conjunction with ICDCN-2014), Amrita Vishwavidyapeetham Campus, Coimbatore, Jan 2014
7. Moderated a Panel Discussion on “Hide your Smart Phone, Big Brothers are Watching”, MobiHoc-2013
12. “M2M opportunity for Carrier Cloud Services”, ANTS-2012, 18th Dec 2012, Bangalore
17. ICoAC-2011, International Conference on Advanced Computing, Chennai, Inaugural address and keynote on “Ubiquitous Sensing”
18. "Connecting Physical World to Internet", Key note, ICRIT-2011, Chennai
19. “Self Configuration in Cognitive Networks and Systems“, CTIF Annual workshop on Cognitive Networks”, Aalborg University, Denmark, May 2010
20. "Connecting Real world to Internet", MidSense 2010, Bangalore
22. “Advanced Research Topics in Wireless Communications”, Sethu Institute of Technology, Madurai, April 2009
23. Devices and Systems for Personal Health Monitoring- Some experiences, Workshop on mHealth at IISc, Bangalore, 28th April 2009
24. Keynote Address, International Workshop on Content Based Image Retrieval and Fusion (CBIRF), Chennai, 2009
25. “Internet of Things”, GISFI Inaugural Workshop, Singhad Institute, Pune, 30th May, 2009
27. “Context Driven methodologies for Cognitive Radios and Networks”, CTIF Annual Workshop on Cognitive Radios, Aalborg University, Denmark, May 2007
29. “Virtual Instrumentation and emerging technologies”, Inaugurated one-day workshop on “Virtual Instrumentation” by NI and MVJ College of Engineering, Bangalore, 18th Nov. 2008

30. Experiences with European FP6 Consortium Projects”, Euro India Workshop, IIT Delhi, Sep 2007


33. “Autonomic Capabilities for Next Generation Wireless Networks”, 5th Jan 2007, AMOC 2007, Jadavpur University, Kolkata, India

34. “Experiences from European FP6 consortium projects – MAGNET and E2R”, EuroIndia ICT Research Collaboration Workshop - University of Hyderabad, 24 Jan, 2007