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Present Position

Assistant Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai from February-2007.

Previous Positions

- Lecturer, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during February-2005 and February-2007.

Previous Additional Responsibility

- Ph.d. Coordinator, Department of Electronics and Communication Engineering, Anna University, Chennai during March-2015 and March-2016.
- Caretaker For Division-i, 4(tn) Ncc Naval Tech Uni, , Anna University, Chennai during November-2007 and November-2008.

Other Employment

- Lecturer, Arunai Engineering College, Thiruvannamalai for 3 years.

Degree

- ❖ M.Tech. IIT MADRAS.
- ❖ B.E. in ELECTRONICS AND COMMUNICATION ENGG , University of Madras, University of Madras.

Research Degree

- ❖ Ph.D. in from Faculty of INFORMATION AND TECHNOLOGY, ANNA UNIVERSITY.
Title: Studies on Design Space Exploration of CMOS Radio Frequency Front End Circuits.

Area of Specialisation

- Digital Communication, Digital Signal Processing, RF System Design

Membership in Professional Organization

- Life Member in ISTE

Research Guidance

Number of Ph.D Scholars Guiding : 1
Number of M.E./ M.Tech. Projects : 10
Guided
Number of M.E./ M.Tech. Projects : 2
Guiding

Papers Published in Journals

Research Papers Published in International Journals : 1
Research Papers Published in National Journals : 0

1. " Design Space Exploration of Inductive Degenerated Common – Source Low Noise Amplifiers (CS-LNA)", IEICE Electronics Express, Vol. 10, Issue 14, (2013).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 1
Research Papers Presented in National Programmes : 2

1. "Estimation of effect of carrier offset in the Synchronization of 3GPP WCDMA Mobile Receiver with ADSP 2192" presented in a National level conference on National Conference on Emerging Trends in Communication Technology, organised by K.S.Rangasamy College of Technology, Tiruchengode, India from 15-Oct-2004 to 16-Oct-2004.
2. Swaminathan R, Laxmikandan T, "STUDIES OF PHYSICAL LAYER SIMULATION OF WIMAX SYSTEMS" presented in a National level conference on 3RD NATIONAL CONFERENCE ON RECENT TRENDS IN COMMUNICATION, COMPUTATION AND SIGNAL PROCESSING (RTCSP-2011), organised by AMRITA University, India from 01-Mar-2011 to 02-Mar-2011.
3. Laxmikandan T, "Design Space Exploration and Synthesis of CMOS Low Noise Amplifiers" presented in a International level conference on International Symposium of Electronic System Design (ISED 2012), India from 19-Dec-2012 to 22-Dec-2012.

Current Sponsored Projects

1. ""Design of Pseudo Random Code Based systems for Ranging and Data Communications "".. Project Cost: 5.00.
2. "Identification of Communication system for Situational Awareness Unit", funded by CVRDE , Avadi.. Project Cost: 9.95.

Sponsored Projects Completed

1. "Prototype development of automated guidance system using visual light communication", funded by CTD T (March-2015 - September-2015). Project Cost: 0.25.
2. "Prototype development of spectrum sensing unit", funded by CTD T (March-2015 - September-2015). Project Cost: 0.25.

Programme Organized

1. Coordinator, National level Short Course on "FDP on "EC1351:Digital Communication" " from 24-Nov-2008 to 30-Nov-2008.
2. Coordinator, National level Short Course on "FDP on "EC1451: Mobile Communication" " from 02-Dec-2008 to 08-Dec-2008.
3. Coordinator, National level Short Course on "FDP on "Wireless Communication" " from 20-May-2012 to 26-May-2012.
4. Coordinator, National level workshop on "Cognitive Radio Networks - Enabling Technologies And Challenges" from 08-Jan-2015 to 10-Jan-2015.

Programme Attended

1. Participated in a National level workshop on "ISTE Workshop on "Control Systems" organized by IIT Kharagpur under NMEICT , India.
2. Participated in a National level workshop on "Mathcad Certificate Training Programme " organized by Crescent Engineering College, organized by Paradigm Technologies Pvt. Ltd, India from 04-May-2004 to 06-May-2004.
3. Participated in a National level conference on "Real-Time Embedded Systems" organized by REACH Information and Communication Systems, Coimbatore., India from 08-Jan-2005.
4. Attended a National level Short Course on "Electro Magnetic Waves and Wave Guides" organized by DECE, Anna University Chennai , India from 05-Dec-2005 to 17-Dec-2005.
5. Participated in a National level workshop on "Enhancing Engineering Labs" organized by Sri Jayachamarajendra College of Engineering, Mysore, India from 22-Feb-2006 to 24-Feb-2006.
6. Attended a National level seminar on "CMOS Design, Fabrication Problems and Challenges" organized by M S Ramaiah School of Advanced Studies, Bangalore , India from 18-Aug-2006 to 19-Aug-2006.
7. Participated in a National level workshop on "Mixed-Signal VLSI Design and Test 2007" organized by VLSI Society of India and PSG college of Technology, India from 26-Apr-2007 to 27-Apr-2007.
8. Participated in a National level conference on "CDNLive2007" organized by Cadance at Leela Palace Hotel at Bangalore, India from 11-Oct-2007.

9. Attended a National level Short Course on "Analog Circuits" organized by IIT Madras , India from 17-Nov-2007 to 18-Nov-2007.
10. Participated in a National level conference on "VLSI conference 2008" organized by HICC, Hyderabad , India from 04-Jan-2008 to 08-Feb-2008.
11. Participated in a National level workshop on "Design Trends in Deep-Submicron CMOS VLSI" organized by DECE, Anna University Chennai , India from 28-Mar-2008 to 29-Mar-2008.
12. Attended a National level Short Course on "Signals and Systems" organized by DECE, Anna University Chennai , India from 24-May-2008 to 30-May-2008.
13. Participated in a National level workshop on "Advanced Analog IC Design" organized by National Institute of Technology, Tiruchirappalli, India from 24-Sep-2008 to 25-Sep-2008.
14. Participated in a National level workshop on "Stanford Engineering Symposium India" organized by Silicon India, Bangalore , India from 18-Dec-2008 to 19-Dec-2008.
15. Attended a National level seminar on "Technology Commercialization for senior Scientists" organized by Administrative Staff College of India, Hyderabad, India from 19-Oct-2009 to 30-Oct-2009.
16. Participated in a National level conference on "VLSI conference 2011 " organized by IIT Madras , India from 02-Jan-2011 to 06-Jan-2011.
17. Participated in a International level workshop on "International Symposium of Electronic System Design (ISED 2012) " organized by Howrah, Kolkata, India from 19-Dec-2012 to 22-Dec-2012.
18. Participated in a National level workshop on "'Internet of Things – Technology of Tomorrow" " organized by Anna University, India from 26-Nov-2015 to 27-Nov-2015.
19. Participated in a National level workshop on "Internet of Things – Technology of Tomorrow" organized by Anna University , India from 26-Nov-2015 to 27-Nov-2015.
20. Attended a National level Short Course on "Change Management & Capacity Building to Improve Quality of Service"" organized by Anna University, India from 23-Feb-2016.
21. Participated in a National level workshop on "Change Management & Capacity Building to Improve Quality of Service" organized by Anna University , India from 23-Feb-2016.
22. Attended a National level Short Course on "GIAN course on "MIMO Wireless"" organized by Anna University, India from 08-Aug-2016 to 12-Aug-2016.
23. Participated in a National level workshop on " Workshop on Agilent ADS" organized by Dept. of ECE, Anna University Chennai , India from 04-Sep-2016 to 05-Apr-2013.
24. Participated in a National level workshop on "'Field programmable Analog Arrays" " organized by Anna University, India from 10-Mar-2017 to 11-Mar-2017.
25. Attended a National level Short Course on "GIAN course on "Characterizing and Modeling Wireless Channels" " organized by NIT Roorkela, India from 06-Jun-2017 to 10-Jun-2017.

26. Attended a National level Short Course on "FDP on "6602 Antennas and Wave Propagation"" organized by Anna University , India from 27-Nov-2017 to 03-Dec-2017.
27. Participated in a National level workshop on ""Universal Human values" " organized by Anna University Chennai, India from 21-Feb-2018.

Honours

1. "AICTE-EFIP-2000 fellowship " given by All India Council for Technical Education, New Delhi from India (2000).