Dr. R.V.S. Ramkrishna

Associate Professor,
Software Lab
Department of Electrical Engineering
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Total Experience 16 years

9.5 yrs Teaching, 4 yrs Research, 2.5 yrs Industry (BSNL)

Education

Ph.D (Full Time) in **Electronics Engineering**, from Defense Institute of Advanced Technology (Deemed University), **Pune,** India, **2018**.

M.Tech (Full Time) in **Power Systems** from V.N.I.T, Nagpur, **2002**.

B.E in **Electronics and Power Engineering** from Nagpur University, **1998**.

Institutions where worked previously

1. Dehradun Institute of Technology, Dehradun
2. Maharashtra Academy of Engineering, Pune
3. Vignan Institute of Tech & Science, Hyderabad

Research Experience

Defence Institute of Advanced Technology, Pune, India (2012 – 2016)
Brief Work : Design, simulation and fabrication of printed antennas for ultra wideband applications with special emphasis on the polarization properties; design and simulation of frequency selective surfaces for gain enhancement and polarization control; design of microstrip filters, development of code for implementing FDTD and MOM solutions for microstrip antennas. **Software / Facilities Used – MATLAB, CST Microwave Studio, Ansoft HFSS, Anechoic Chamber**

Areas of Interest

Electromagnetics, Polarimetry, Wireless Power Transfer

Recognition / Awards / Honors

Ph.D Fellowhip from “Defense Institute of Advanced Technology”, Pune.

Best Paper Award at IEEE technically co-sponsored conference on “Emerging Trends in Signal Processing and Communication Engineering” held at Aditya Institute of Technology and Management, A.P, 2015.

Reviewer for IEEE Access, Elsevier’s International Journal on Electronics and Communication, Progress in Electromagnetic Research

Conferences / Seminars / Workshops / STTPs Attended

1. IEEE Conference on "**Emerging Trends in Signal Processing & Comm. Engg**" at Aditya Institute of Technology and Management, A.P, 2015.

2. "**IEEE Int. Microwave and RF Conference. (IMARC)**" New Delhi, 2013.

3. "**International Conference on Communication and Electronic System Design**" at MNIT Jaipur from 208/01/2013 to 30/01/2013.

4. ISTE Approved One Week Short Term Training Program (STTP) on "**Design, Testing, Performance, Evaluation and Applications of Microwave Antennae**" at VIIT, Pune 2012.

5. 5th International Multi Conference on "**Intelligent Systems, Sustainable, New & Renewable Energy and Nanotech.(IISN-2011)",** IST Ambala**, 2011**.

6. "**Mission 10x Workshop**" at DIT, Dehradun 2010.

7. National Workshop on "**Emerging Trends in Power Sector**" at Andhra University College of Engineering, Visakhapatnam, 2005.

SELECTED PUBLICATIONS

1. R.V.S. Ram Krishna and Raj Kumar, "A dual-polarized square ring slot antenna for UWB, imaging and radar applications," ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 15, pp. 195 – 198, 2015.

2. R.V.S. Ram Krishna and Raj Kumar, "Slotted ground microstrip antenna with FSS reflector for high gain horizontal polarization," ***IET Electronics Letters***, Vol. 51, No. 8, pp. 599 – 600, 2015.

3. R.V.S. Ram Krishna and Raj Kumar, "A CPW fed wideband circularly polarized slot antenna with FSS for enhanced gain," ***Microwave and Optical Technology Letter (Wiley)***, Vol. 15, No. 5, pp. 1199-1204, 2015.

4. R.V.S. Ram Krishna and Raj Kumar, "Design of a square ring shape slot antenna for UWB polarization-diversity applications," ***International Journal of Electronics and Communication (Elsevier)***, Vol. 69, No. 9, pp.1305 – 1313, 2015.

5. Raj Kumar, Rajas K. and R.V.S. Ram Krishna, "A Horizontally Polarized Rectangular Stepped Slot Antenna for Ultra Wide Bandwidth with Boresight Radiation Patterns," ***IEEE Transactions on Antennas and Propagation,*** Vol.62, No.7, pp.203-209, 2014.

6. R.V.S. Ram Krishna, Raj Kumar and N Kushwaha, "An UWB Dual Polarized Microstrip Fed L-Shape Slot Antenna," ***International Journal of Microwaves and Wireless Technologies (Cambridge Press)*****,** Vol. 8, No. 2, pp. 363 - 368, 2016.

7. R.V.S. Ram Krishna and Raj Kumar, "A Dual Polarized Ultra-Wideband Slot Antenna using Stepped Microstrip Feed Structure," ***Frequenz – Journal of RF Engineering and Telecommunications,*** Vol. 69