



Dr.P.H. Rao acquired his B.Tech from SV University, Tirupathi, M.S from B I T S Pilani, and Ph.D from The **Queen's University of Belfast U.K.**

***IEEE AP society -IEEE R10 Distinguished Lecturer for 2015-2016.***

***Collaborative Researcher at IITM***

Dr. Rao has more than 30+yrs of Research experience in Antennas , RF and Electromagnetics.

After a brief stay in Space Applications Centre, (ISRO) Ahmedabad, He joined SAMEER- CEM, Chennai and continuing there.During his stay at ISRO he was involved in the design and development of slotted array antennas for Space applications. At SAMEER he has been involved in various research activities like – wideband Tracking and Jamming Antennas, Electronic Warfare and conformal missile antennas, Microstrip antennas, EBG's, Genetic Algorithm based array antennas, Reflectarray antennas, frequency independent antennas,reconfigurable antennas, Near-field Antenna measurements, and System on Package concepts. He has developed various novel antenna structures, feeding concepts and formulated theory to generate any arbitrary polarization from combination of two circularly polarized signals.

***Currently he is working on Indigenous 5G Test bed a multi institute initiative (5 IITs and IISc). His current interests included shared aperture concepts,low SLL antennas, EM cloaking, Mixed signal system analysis amd Metamaterial research.***

He was a visiting scholar at Georgia Tech, USA in 1992 and worked on Near –field antenna analysis and EBG configurations.

He collaborates on Electromagnetic Band Gap structures for Signal/Power integrity applications with Georgia Tech, Atlanta, USA. He steered a computational EM cell, a joint collaborative project by IISc-SAMEER to analyze complex electromagnetic problems like antennas on ship, satellite, aircraft etc.

He has published **100+ papers in IEEE and IEE and referred journals and conferences** and presented papers in various national and international conferences. **His paper on wideband EBG was awarded IEEE Best paper award at IEEE-INCEMIC 2008.** He delivered key note addresses at various International and National conferences and symposia. He conducted workshops on various topics including antennas, Electromagnetics, and communications.

He is a **SENIOR MEMBER of IEEE** and **Vice chair of IEEE-AP** Chennai chapter (2013-2015). He is a **reviewer** for *IEEE Trans. on Antennas and Propagation, AP-magazine, IEEE Antennas wave propagation letters, IEEE EMC Transactions, IEEE MWCL, IEEE Trans. on MTT, Int.jnl. of Antennas and propagation* and for various Int. conferences and symposia. **He is listed in Who's Who in the world 2000 edition.**