

Distinguished Educator Award:

This award was inspired by the untimely death of Prof. F.J. Rosenbaum (1937–1992), an outstanding teacher of microwave science and a dedicated AdCom Member and contributor. The award recognizes a distinguished educator in the field of microwave engineering and science who best exemplifies the special human qualities of Fred Rosenbaum who considered teaching a high calling and demonstrated his dedication to the Society through tireless service. This year's recipient is **Shiban Koul**.



Shiban Koul

"For outstanding contributions as a teacher, mentor, and role model for students in the microwave profession"

Shiban K Koul is the Dr. R.P.Shenoy Astra Microwave Chair Professor at the Centre for Applied Research in Electronics (CARE) and Deputy Director (Strategy and Planning) at the Indian Institute of Technology (IIT) Delhi India. He is also the Chairman of Astra Microwave Products Limited, Hyderabad, a major company involved in the Development of RF and Microwave systems in India and Governing Board Member of Electronics Sector Skills Council India (ESSCI). His current research interests include: RF MEMS, Device modelling, Microwave and Millimetre wave circuit and system design, Nonlinear effects and Reconfigurable microwave circuits including antennas. He is the author/co-author of 236 Research Papers, 7 state-of-the art books and holds 7 patents and 6 copyrights. The books include: Stripline like transmission lines for Microwave Integrated Circuits (Wiley-1989, Newage-2007), Analysis Design and Applications of Fin lines (Artech House-1987), Microwave and Millimetre wave Phase-Shifters, Vol.I and II (Artech House-1991) and Millimetre Wave and Optical Dielectric Integrated Guides and Circuits (Wiley-1997). He has successfully completed 28 major sponsored projects, 51 consultancy projects and 44 Technology Development Projects.

Dr Koul received Gold Medal by the Institution of Electrical and Electronics Engineers Calcutta in 1977; S.K.Mitra Research Award from the Institution of Electronics and Telecommunication Engineers (IETE) for the best research paper in 1986; Indian National Science Academy (INSA) Young Scientist Award in 1986; International Union of Radio Science (URSI) Young Scientist Award in 1987; the top Invention Award of the National Research Development Council for his contributions to the indigenous development of ferrite phase shifter technology in 1991; VASVIK Award for the development of Ka- band components and phase shifters in 1994; Ram Lal Wadhwa Gold Medal from the IETE in 1995; Academic Excellence award from Indian Government for his pioneering contributions to phase control modules for Rajendra Radar in 1998, Shri Om Prakash Bhasin Award in the field of Electronics and Information Technology in 2009, Teaching excellence award from IIT Delhi in 2012, Award for contributions made to the growth of smart material technology by the Institute of Smart Materials and Systems (ISSS), Bangalore in 2012, M.N.Saha Memorial Award from the IETE for the best application oriented research paper in 2013 and IEEE MTT-S Distinguished Educator Award in 2014.

Dr Koul is a Fellow of the Institution of Electrical and Electronics Engineers (IEEE), Fellow of the Indian National Academy of Engineering (INAE) and Fellow of the Institution of Electronics and Telecommunication Engineers (IETE). He is the Chief Editor of IETE Journal of Research, Associate Editor of the International Journal of Microwave and Wireless Technologies, Cambridge, UK and Member Editorial Board of Microwave and Optical Technology Letters. He is a serving ADCOM member and a Member of IEEE MTT society's Technical committees on Microwave and Millimetre Wave Integrated Circuits (MTT-6) and RF MEMS (MTT-21), Membership Services Regional Co-coordinator R-10, Vice Chair Education Committee and MTT-S Speaker bureau lecturer. He is also a Distinguished IEEE MTT-S lecturer for the period 2012-2014.