


# Biography

## Personal Information

Country/Region	India	<input checked="" type="checkbox"/> Chief Delegate <input type="checkbox"/> Delegate <input type="checkbox"/> Observer <input type="checkbox"/> Companion	
First Name	Shiban Kishen	Last Name	Koul
Title/Position	Professor	Division	Microwave & RF
Affiliation	Indian Institute of Technology Delhi		
Address	Block III, Room No. 320, Centre for Applied Research in Electronics, Indian Institute of Technology Delhi, Hauz Khas		
City	New Delhi	State / Zip Code	110016
Postal Code	110016	Country	INDIA



## Biography

**Shiban K Koul** received the B.E. degree in Electrical Engineering from the Regional Engineering College, Srinagar in 1977, and the M.Tech. (1979) and Ph.D (1983) degrees in Microwave Engineering from the Indian Institute of Technology, Delhi, India. He served as a Senior Scientific Officer (1979-1988), Associate Professor (1988-1991), Professor (1991-), Head Centre for Applied Research in Electronics (C.A.R.E) (1993-1996, 2002-2005), Chairman Advisory Committee of Library (1997-1999), Head Computer Services Centre (1999-2002) at the Indian Institute of Technology, Delhi. Currently, he is a Professor at Centre for Applied Research in Electronics at IIT Delhi. He has held several visiting assignments abroad: Senior Visiting Fellow at the Department of Electrical Engineering, National University of Singapore (Dec.1996-Dec.1997); JSPS Fellow at the Tohoku University, Sendai, Japan (July 1995-Sept 1995); Visiting Scientist at the Tohoku University Sendai, Japan (Oct. 1994-Dec.1994), and British Council Fellow at the University of North Wales, UK (July 1984-Dec 1984). He is the author/co-author of 130 Research Papers; 7 state of the art Books, and a Chapter on *Materials and Technology for Microwave Integrated Circuits* in a book *Microwave Materials* (Ed. Murthy et al, Narosa, 1993). He has guided 4 PhD thesis (4 more are currently registered), more than 85 M.Tech thesis and 4 B.Tech / MSc thesis.

Prof. Koul has received Gold Medal by Institution of Electrical and Electronics Engineers Calcutta (1977); S.K.Mitra Research Award (1986) from the IETE for the best research paper; Indian National Science Academy (INSA) Young Scientist Award (1986); International Union of Radio Science (URSI) Young Scientist Award (1987); the top Invention Award (1991) of the National Research Development Council for his contributions to the indigenous development of ferrite phase shifter technology; VASVIK Award (1994) for the development of Ka-band components and phase shifters; Ram Lal Wadhwa Gold Medal (1995) from the Institution of Electronics and Communication Engineers (IETE); and Academy Excellence award (1998) from DRDO (Ministry of Defense) for his pioneering contributions to phase control modules for Rajendra Radar. He is a Fellow of the Indian National Academy of Engineering (INAE), Fellow of the Institution of Electronics and Telecommunication Engineers India, Fellow of the National Telematics Forum, Senior Member of the IEEE, Member of the New York Academy of Sciences, Member of the Micro and Nano Technology Foundation (MANCEF), USA, Member of IEICE (Japan), Member of the Indian Society of Smart Materials (ISSS), Member of the General Advisory Committee (GAC) of Micro and Nano Technology Foundation (MANCEF), USA and Chief Delegate for world Micro machine Summit from India. He is the chairman of the Editorial board of IETE Journal of Research, a member of the National Committee for URSI Commissions B&C, academic expert member on the board of smart materials and research (B-smart) and a member of the national committee of COSPAR-URSI-SCOSTEP. He is on the Editorial boards of Journal of IETE, International Journal of RF and Microwave Computer-Aided Engineering and the Microwave and Optical Technology Letters, John Wiley, USA. He has served as the Chairman of IEEE ED/MTT Chapter, India Council in (1988,89, 1992,93,94,95). He is a consultant to several Government organizations and private industries in India and abroad. He has successfully completed 95 major sponsored, consultancy and Technology Development Projects. He holds 6 patents and 3 copyrights. He is on the board of Directors of M/S Astra Microwave Pvt. Ltd, a major private company involved in the Development of RF and Microwave systems in India. He is currently handling projects on the development of novel millimeter wave components at 140 GHz and RF component development using MEMS technology at 17 and 35 GHz. Current research areas of Prof. Koul include microwave and millimeter wave circuit design using suspended stripline and dielectric integrated guides, RF MEMS, planar antennas and device modeling.