

Bio-sketch -- K. Giridhar

K. Giridhar is a Professor at the Indian Institute of Technology Madras (www.iitm.ac.in), Chennai. He studied BSc (Applied Sciences) at PSG College of Technology, Coimbatore, ME (Electrical Communications) at Indian Institute of Science, Bangalore, and received a PhD (Electrical Engineering) from University of California, Santa Barbara. Between 1989-90, he was a member of research staff at Bharat Electronics, Bangalore, and between 1993-94, was a research affiliate in Electrical Engineering at Stanford University, California. Since 1994, he has been with the Department of Electrical Engineering at IIT Madras.

His research interests are broadly in the areas of adaptive signal processing and wireless communications systems, with an emphasis on various transceiver algorithms and performance analysis of cellular and broadband wireless systems and networks. Much of this work has been communicated in over 150 research papers in various journals and conference proceedings. During a sabbatical in 2004-05 with Beceem Communications, he contributed many designs to the IEEE 802.16e WMAN standard.

Giridhar is a member of the Telecommunications and Computer Networks (TeNeT) Group which has successfully incubated several telecom and IT companies over the last decade (www.tenet.res.in). He actively collaborates with the Center of Excellence in Wireless Technology (www.cewit.org.in) on MIMO-OFDM mobile broadband research, resulting in several contributions to the IEEE 802.16m broadband wireless standard, many proposals to the LTE-A standard, and more than three dozen patent disclosures.

He has been a consultant to many telecom & VLSI companies in India, and has been a visiting faculty at Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam, Andhra Pradesh, and at Stanford University, California.