



Bio-Sketch: K. Giridhar

K. Giridhar is a Professor at the Indian Institute of Technology Madras and guides the Telecom and Wireless Sensing (TelWiSe) research group there www.ee.iitm.ac.in/TelWiSe. He studied BSc (Applied Sciences, 1985) at PSG College of Technology, Coimbatore, ME (Electrical Communications Engineering, 1989) at Indian Institute of Science, Bangalore, and received a PhD (Electrical & Computer Engineering, 1993) from University of California, Santa Barbara.

Between 1989-90, Giridhar was a member of research staff at CRL, Bharat Electronics, Bangalore, and between 1993-94, was a postdoctoral research affiliate in Electrical Engineering at Stanford University, California. Since 1994, he has been a faculty at the Department of Electrical Engineering, 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 custom air-interface design for strategic communications. Currently, the TelWiSe group is focussed on developing waveforms, algorithms, and transceiver designs for efficient broadband wireless access in interference limited channels, high throughput satellite communications, distributed radar signal processing, and integrated wireless unicast, broadcast, and multi-static sensing.

Giridhar has been a consultant for many telecom and signal processing industries and research labs in India, and has taken sabbaticals with Gigabit Wireless Inc, San Jose (summer of 2000), with Beceem Communications Inc, Santa Clara (2004-05), and with Data Patterns (India) Ltd, Chennai (2018-19). He is an Advisor to QallCover Communications LLP, Chennai, and has been a visiting faculty at Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam, and at Stanford University, California.