



## 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](http://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 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 custom air-interface design for strategic communications. Currently, the TelWiSe group [www.telwise-research.com](http://www.telwise-research.com) has focussed on efficient broadband wireless access in interference limited channels, high throughput satellite communications, as well as distributed radar signal processing and waveforms plus system designs for integrated wireless sensing and communications.

Giridhar has been a consultant for many telecom and signal processing industries and research labs in India, and has taken sabbaticals with Gigabit Communications Inc, San Jose, in the summer of 2000, with Beceem Communications Inc, Santa Clara, between 2004-05, and with Data Patterns (India) Ltd, Chennai between 2018-19. He is a founding Director of QallCover Communications LLP [www.qallcover.com](http://www.qallcover.com), Chennai, and has been a visiting faculty at Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam, and at Stanford University, California.