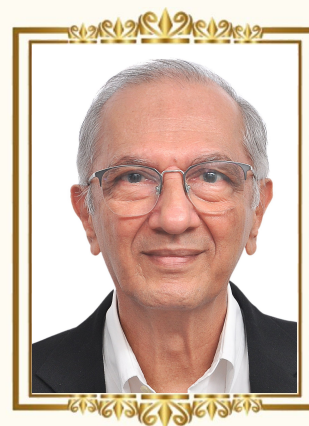




PROF. JUZER VASI



Prof. Juzer Vasi is Professor Emeritus at the Indian Institute of Technology (IIT) Bombay. His research and teaching have been in the areas of semiconductors, microelectronics and solar photovoltaics.

2. Born on 25th August, 1947, in Mumbai, Prof. Vasi received his Bachelor of Technology (B. Tech.) degree from the Indian Institute of Technology, Bombay in 1969, and the Ph.D. degree from The Johns Hopkins University in Baltimore, USA in 1973. After spending a year as a Visiting Assistant Professor at The Johns Hopkins University, he returned to India, and joined IIT Delhi as a Lecturer in 1974, and was promoted to Assistant Professor in 1978. In 1981, he moved to his alma mater, joining the Department of Electrical Engineering at the Indian Institute of Technology Bombay as an Assistant Professor. He was promoted to Professor in 1983. He served as Head of the Department (1992-94) and Deputy Director (2006-09). He retired from IIT Bombay in 2015, and was appointed Professor Emeritus in 2017, in which position he continues.

3. Prof. Vasi started his research in semiconductors during his Ph.D., and continued it first at IIT Delhi and then at IIT Bombay. He started, with colleagues, one of India's first postgraduate programmes in Microelectronics at IIT Bombay in 1983. He taught semiconductors and microelectronics to a large number of students, who now lead major companies in India and abroad. His research focused on CMOS devices, and one of his early projects in the 1990's was developing radiation-hard CMOS technology for space applications. Later, in the 2000's, he and his colleagues set up (with IISc) the state-of-the-art Centres of Excellence in Nanoelectronics, and the groundbreaking Indian Nanoelectronics Users Programme (INUP). The latter opened up the facilities at IIT Bombay to researchers from across India, thereby spreading the culture of semiconductor research throughout the country. In 2010, at the behest of the Principal Scientific Advisor to the Government of India, Prof. Vasi changed his focus from nanoelectronics to solar photovoltaics, co-founding the National Centre for Photovoltaic Research and Education (NCPRE) at IIT Bombay. This in turn led to Prof. Vasi being asked to undertake the solarization of the National Salt Satyagraha Memorial in Dandi, and subsequently IIT Bombay being made the Design Co-ordinating Agency of the Memorial, which was completed in 2019.

4. Throughout his career in both semiconductors and solar photovoltaics, Prof. Vasi stressed the importance of interdisciplinary, collaborative and inclusive research, which he deemed necessary for making an impact on major national missions. He worked with groups of faculty and students in a cooperative mode to ensure success. Their work both in semiconductors and later in solar energy has helped create an ecosystem which supports these critical areas of technology.

5. Prof. Vasi has published 200 papers in leading journals and conferences. He is a Fellow of the Indian National Academy of Engineering (INAE), and a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). He received the Lifetime Achievement Award from IIT Bombay in 2013, and the Lifetime Contribution Award from INAE in 2018. He received the Excellence in Teaching awards from IIT Bombay in 2000, 2009 and 2013, and the IEEE Simon M. Sze Education Award in 2025.