



Dr. Apurva N. Mody

AiRANACULUS
Founder and CEO

Dr. Apurva N. Mody is a world recognized expert on Spectrum Sharing, WhiteSpaces and Spectrum Exploitation Technologies. Dr. Mody received his Ph. D. in Electrical Engineering from Georgia Institute of Technology in December 2004. In the recent past, Dr. Mody has served as the Vice Chair, Chairman and the CTO of the National Spectrum Consortium (NSC). Dr. Mody has more than 20 years of experience in Research and Development (R&D) of wireless communications, radars, electronic warfare (EW) and systems related to spectrum dominance awareness and sharing. Dr. Mody has worked on countless Department of Defense (DoD) Programs as a Principal Investigator, Program Manager and as a Capture Team Lead. These programs have resulted in development of potential solutions for radar and communications spectrum sharing, development of spectrum sensing chip, anti-jam wireless communications solutions, co-existence between communications and electronic warfare systems, as well as implementation of low-cost techniques to make any radio cognitive. Dr. Mody was one of the first researchers to talk about the effective use of not only the White Space, but also the Gray Space.

Dr. Mody recently founded AiRANACULUS, that proposes to perform Consulting, Research & Development and Prototyping in the areas of Wireless Communications and Spectrum Dominance Awareness and Sharing Technologies. The name AiRANACULUS was created by his three daughters. AiRANACULUS was recently selected to work on the AI enhancements to the Communications Systems for NASA's 2024 Moon Mission. Dr. Mody is also the founding Chairman of the WhiteSpace Alliance™ (WSA) (www.WhiteSpaceAlliance.org) as well as the Chairman Emeritus of IEEE 802.22 Working Group (WG) for Wireless Regional Area Networks (WRANs). Dr. Mody has been recently awarded the IEEE SA Medal for creating spectrum sharing technologies to reduce the global problem of Digital Divide. Under his leadership, the IEEE 802.22 WG is the recipient of the IEEE Emerging Technology Award.

Dr. Mody has access to regulators and Government officials all over the world. He has worked with many Government organizations including United States DoD, NTIA, FCC, Department of State, USAID, United Nations, International Telecommunications Union as well as Ministries of many countries around the world. Dr. Mody is a Senior Member of the IEEE, he was President's Fellow while at Georgia Tech, he is a member of IEEE Eta Kappa Nu and Tau Beta Pi honor societies. His research work has been published in three book chapters and more than 50 Conference and Journal Papers. Dr. Mody has been awarded more than 20 patents.
