



Brief Profile

Prof. Gopalan Jagadeesh had his early schooling in the prestigious Sri. Ramakrishna Vidyashala, Mysore. Later he obtained his Bachelor's degree in Mechanical Engineering with DISTINCTION from Bangalore University in 1989, Master of Engineering from Birla Institute of Technology, Mesra, Ranchi, in 1992 (First Rank) and Ph.D. in Aerospace Engineering from Indian Institute of Science in 1998. He was a Visiting Lecturer in Tohoku University Japan for about 3 years before joining IISc in 2001.

Prof. Gopalan Jagadeesh is a professor in the Department of Aerospace Engineering, Indian Institute of Science (IISc) Bangalore. He is the Founder Chairman of Centre of Excellence in Hypersonics, IISc, Bangalore. He is also the Founder Director of Super-wave Technology Pvt. Ltd. a start-up company formed with equity participation from IISc to commercialize several of his discoveries related to shock waves. This start-up company has garnered a sizable funds to the tune of US \$ 15 million from multinational industry partners within 3 years of existence. He is an honorary professor in the University of Glasgow, UK and an Adjunct Professor in Defense Institute for Advanced Studies, Pune, India.

His research areas include Hypersonic Aerothermodynamics and shock wave propagation in complex fluids. He has published over 250 papers in peer reviewed International Journals, and conferences and edited 3 books. ***He has TWENTY PATENTS on various discoveries related to Shock Waves and hypersonic flow control.***

He has been bestowed with several National and International awards in recognition of his professional achievements. ***Some of major recognitions includes Dr. Biren Roy Space Design Award by Aeronautical Society of India, Prof. Satish Dhawan Young Engineer award from Govt. of Karnataka, Platinum Jubilee award from Institution of Engineer, ASI Award from Astronautical society of India and GOLD MEDAL for developing shock wave assisted preservative impregnation technique by the Lockheed Martin – Dept. of Science & Technology India Innovates Growth programme.***

He is the founder secretary of Society for Shock Wave Research India and an executive member of the Governing Council of International Shock Wave Institute, Japan.

He is a Fellow of the prestigious Royal Aeronautical Society, (UK) and National Academy of Engineering (India) and Associate Fellow of American Institute for Aeronautics and Astronautics. He is on the Editorial Boards of Shock Waves, Current Science and International Journal of Aerospace Innovations.

He has widely traveled all over the world and delivered several invited talks in prestigious universities/international symposiums abroad including Stanford University & NASA Ames Research Centre, USA. He has also chaired several technical sessions in many international symposiums. He actively works with voluntary organizations for popularizing science among high school/college students especially in rural India and has interacted with over 250,000 Children till date.