



Brief Profile

Prof. Gopalan Jagadeesh had his early schooling in the prestigious Sri. Ramakrishna Vidyashala, Mysore and his pre-university education in National College Basavanagudi. Later he obtained his Bachelor's degree in Mechanical Engineering with DISTINCTION from Bangalore Institute of Technology, Bangalore in 1989, Master of Engineering in Thermal Sciences (FIRST RANK) from Birla Institute of Technology, Mesra, Ranchi, in 1992 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. He is currently a Senior Professor in the Dept. of Aerospace Engineering, IISc, Bangalore.

Prof. Gopalan Jagadeesh is the Founder Chairman of Centre of Excellence in Hypersonics, IISc, Bangalore started by BrahMos Aerospace, New Delhi. 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 5 years of existence. He is also an honorary professor in the University of Glasgow, UK.

He is currently the President of the International Shock Wave Institute, Japan and the Society for Shock Wave Research India.

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.

His research areas include Hypersonic Aerothermodynamics and shock wave propagation in complex fluids. He has published over 300 papers in peer reviewed International Journals, conferences and edited 3 books. ***He has TWENTY-FIVE 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 Engineers, ASI Award from Astronautical society of India and GOLD MEDAL for developing shock wave assisted preservative impregnation technique in the "India Innovates Growth programme" coordinated by Lockheed Martin, USA & Dept. of Science & Technology, India. Recently he was awarded the Alumni Award for Excellence in Engineering Research by IISc Bangalore.***

He is on the Editorial Boards of Shock Waves, Current Science and Indian Institute of Science Journals.

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 400,000 Children till date.