A brief biodata of Dr. S.V.S. Narayana Murty

Dr. S.V.S. Narayana Murty has received his B.E. from Andhra University, Visakhapatnam, M.E. from IISc-Bangalore and Ph.D. from IIT-Bombay, all in Metallurgical Engineering. Presently, he is the Chairman & Managing Director of Mishra Dhatu Nigam Limited, Hyderabad. He joined Vikram Sarabhai Space Centre, Trivandrum in 1993 and worked extensively on the development of ultrahigh strength steels, titanium alloys, superalloys and aluminium alloys. He was a post-doctoral fellow at the Steel Research Centre, National Institute for Materials Science, Japan (2003-2006) and worked on the development of ultrafine grained steels. During 2021-2025, he was with Liquid Propulsion Systems Centre (ISRO), Trivandrum. At LPSC he was responsible for the indigenization and supply of materials for earth storable, cryogenic, semi-cryogenic stages as well as for satellite propulsion systems for Indian space program. His areas of expertise include aerospace materials development and processing, material testing, characterization, failure analysis of aerospace components and additive manufacturing.

Dr. Narayana Murty is a recipient of Young Metallurgist Award (2001) and Metallurgist of the Year award (2018), both from Ministry of Steel, Government of India. He was a member of ISRO Team excellence award for “Indigenization of Copper alloy Cu-Cr-Ti-Zr thrust chamber of cryogenic and semi-cryogenic engines” (2012). For his post-doctoral work at NIMS, he has received AIDA Technology Innovation award by Japan Society for Technology of Plasticity (2009) for Development of Ultrafine Grained Steels. He was awarded the National Failure Analyst award (2021) by the Society for Failure Analysis and G.D. Birla Gold Medal (2022) by the Indian Institute of Metals.

Dr. Murty is an elected fellow of the Andhra Pradesh Akademi of Sciences, (2017) and Indian National Academy of Engineering (2021). He is the Editor-in-Chief of the transactions of the Indian Institute of Metals, published by Springer. He is on the editorial boards of Encyclopedia of Aluminium alloys, ASTM Journal of Materials Performance and Characterization and Journal of Engineering Failure Analysis. He is also a member of the American Society for Metals (ASM) Handbook committee. He is a member of research council of CSIR-AMPRI, Bhopal, Board Member of Nuclear Fuel Complex, Hyderabad, Board Member of Indian Iron & Steel Sector Skill Council, Kolkata, and technical advisory group of ARCI, Hyderabad. He is in the list of top 2% scientists published by Stanford University. He has supervised 8 Ph.D. students and more than 25 masters students. He is author of several ISRO internal technical reports and over 325 publications in international peer reviewed journals.