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SHORT BIO:

J. N. Reddy Foundation Chair IV in Mechanical Engineering at Texas A&M University. He is known for his significant contributions to the field of applied mechanics through the authorship of many textbooks (25) and journal papers (>850). His pioneering works on the development of shear deformation theories have had a major impact and have led to new research developments and applications. In recent years, Reddy's research has focused on the development of locking-free shell finite elements and nonlocal and non-classical continuum mechanics problems dealing with architected materials and structures and damage and fracture in solids. Dr. Reddy has received some of the highest professional awards, including the Leonardo da Vinci Award from the European Academy of Sciences, the Michael P. Païdoussis Medal from the Royal Society of Canada, the IACM Congress (Gauss-Newton) Medal from the International Association of Computational Mechanics, the von Karman Medal from the American Society of Civil Engineers, the von Neumann Medal from the U.S. Association of Computational Mechanics, and the SP Timoshenko Medal from ASME. He is a member of nine academies: the US National Academy of Engineering, Indian National Academy of Engineering, Brazilian National Academy of Engineering, Canadian Academy of Engineering, Chinese Academy of Engineering, Royal Academy of Engineering of Spain, European Academy of Sciences, European Academy of Sciences and Arts, and the Royal Society (Sciences) of Canada.