



The University of Texas at Tyler  
College of Engineering and Computer Science  
Faculty Biographical Sketches

---

**M. SATHYAMOORTHY, PH.D.**

---

***CURRENT POSITION:***

Professor and Associate Dean, College of Engineering; Interim Chair, Department of Mechanical Engineering

***BIOGRAPHICAL SKETCH***

Dr. M. Sathyamoorthy has over 40 years of experience as a teacher, researcher and administrator. Prior to coming to UT Tyler in August 2006 as Associate Provost for Academic Affairs, he was a Professor and Dean of Engineering at West Virginia University Institute of Technology in Montgomery, West Virginia. He also served as Chairman of the Department of Mechanical and Aeronautical Engineering at Clarkson University, Potsdam, New York from 1997 to 2001. He earned his Ph.D. in Aeronautical Engineering from Indian Institute of Technology at Madras, India, in 1973, worked as a Research Fellow at the University of Birmingham, England, and taught at IIT, Madras as well as at the University of Calgary, Alberta, Canada before coming to Clarkson University in 1979. He has published over 120 research papers in international journals and conference proceedings and is the sole author of a majority of his refereed published journal papers. His book on Nonlinear Analysis of Structures published in 1998 is the only book that contains a comprehensive treatment of methodologies for analysis and collection of literatures in the nonlinear structural mechanics area. Dr. Sathyamoorthy's development of a computerized symbolic manipulation technique for application to static and dynamic analysis of wing structures and their vulnerability studies have been influential individually in their own right on the U. S. Army's and U. S. Air Force's treatment of aircraft vulnerability. The importance of this field to the national defense is critical as we strive for not only higher performance but greater efficiency in our own air fleet and strive for close to zero casualties in any conflict.

Dr. Sathyamoorthy has lectured internationally, and has been a consultant to industries and government laboratories. His research has been supported by AFOSR, ARO, and NSF. He is a Fellow of ASME, Aeronautical Society of India and an Associate Fellow of the American Institute of Aeronautics and Astronautics. He played a leading role in ASME at the local, regional and national levels for over 25 years serving on national committees, organizing technical sessions, and contributing to various other professional activities. He is the recipient of the 1993 National ASME Faculty Advisor Award and the ASME Dedicated Service Award in 1999. He also received three teaching awards, the Distinguished Teaching Award from Clarkson University in 2001, the Pi Tau Sigma Mechanical Engineering Distinguished Teaching Award in 1992, and the Tau Beta Pi Faculty Award in 1997. He also received the Outstanding Advisor Award in 1993. He was an active member of the Engineering Dean's Institute of ASEE and continues to serve as an ABET team member on accreditation visits to a broad range of universities in the country. He is listed in Who's Who in Technology, Who's Who in America, Who's Who in Worldwide, Who's Who Registry, Who's Who in Frontiers of Science and Technology, and Who's Who Among America's Teachers.



The University of Texas at Tyler  
College of Engineering and Computer Science  
**Faculty Biographical Sketches**

## ***RESEARCH INTERESTS***

General Areas of Solid Mechanics; Nonlinear Analysis of Beams, Plates and Shells; Composite and Stiffened Structures; Aircraft Structures; Mechanisms; Thermal Stresses; Finite Element Methods; Experimental Investigations; Vulnerability Analysis.

## ***CONTACT INFORMATION***

College of Engineering  
The University of Texas at Tyler  
3900 University Boulevard  
Tyler, Texas 75799

Telephone: 903-565-5939

Facsimile: 903-566-7148

Email: [msathy@uttyler.edu](mailto:msathy@uttyler.edu)

Administrative Associate: Ms. Mandi Wiggins (Email: [mmelot@uttyler.edu](mailto:mmelot@uttyler.edu))