

**Dr. Navin Manjooran, Ph.D., MBA, FASM, FACerS, FIIM, FIMMM
Chairman, Solve
Windemere, FL
President and Chair of the Board of Trustees (2024-2025)**



**Dr. Navin Manjooran, PhD., MBA, FASM, FACerS, FIIM', FIMM
Chairman
Solve
Windemere, FL**

Dr. Navin Manjooran serves as the Chairman of Solve, a global technology and research services company addressing critical energy, industry, medical and infrastructure challenges. For almost a decade, he was in the global leadership team of Siemens AG with responsibility in management of complex global teams. In this role, he provided leadership from the corporate side for the entire Siemens portfolio; including expanding international collaborations, developing the global strategy, driving revenue growth and ensuring Siemens stays a trend-setter for advanced technology and innovation.

Dr. Manjooran is the President and Chair of the Board of Trustees of ASM International, the world's largest materials and information professional society with >17,000 members. Since 2010, he has served as a Board Member of the US Technology Advisory Group. He also serves as the Chairman of the Advisory Board for materials science and engineering and the College of Engineering at the University of Florida. He has also served on the Virginia Tech Board of Visitors, University of Chicago Board of Trustees and on the Massachusetts Institute of Technology (MIT) energy initiative board. Dr. Manjooran has also served as the co-chair of the Virginia Tech capital campaign (aimed at raising one billion USD) for the New York Region and the Orlando/ Tampa Region under the leadership of Ex-Virginia Tech President, Dr. Charles Steger, and Vice President for Development, Dr. Betsy Flanagan. After a four-year quiet phase, the campaign launched with a \$1 billion goal in October 2007, despite consultants recommending a more conservative target of \$800 million or less. By June 30, 2011, when campaign counting stopped, \$1.11 billion in outright gifts, pledge payments, or commitments of future support had been raised. Dr. Manjooran also serves as a Board Member of the leading Indian American Engineering organization (AAEIOI) as well as Keiser University (CSE), the ASM Materials Education Foundation and others. He is a Fellow of ASM International, American Ceramic Society (ACerS), Institute of Materials, Minerals and Mining (IOM3) and Indian Institute of Metals (IIM).

Since 2010, Dr. Manjooran has served as a Professor adjunct in materials science and engineering at Virginia Tech. He co-organized over thirty-seven international symposia, over hundred technical sessions and taught over fifteen courses for the National Institute of Technology, University of Florida, Virginia Tech and various global materials engineering and mechanical engineering professional societies including, ASM International, ACerS, TMS, AIST, IEEE and ASME.

He holds a bachelor's degree in metallurgical engineering from the National Institute of Technology (NIT Warangal, India), a master's degree in materials science and engineering from the University of Florida, and a doctorate in materials science and engineering from Virginia Tech. He also has an MBA from the prestigious Booth School of Business at the University of Chicago. He also has his executive management education from Harvard University.

Dr. Manjooran has twelve patents or disclosures, twelve books, over two hundred publications and presentations at national or international events. He has received several awards including the following prestigious awards: Outstanding Indian American (Engineering) Award, Distinguished Virginia Tech Alumnus (ISA), Outstanding University of Florida Alumni (MSE), Siemens Award, TMS Young Leader Award, Virginia Tech Outstanding Leader Award, Virginia Tech Paul Torgerson Doctoral Research Excellence Award, Virginia Tech Outstanding Service Commendation Award, Virginia Tech Outstanding Student Award, NITW Sri Kabadi Subalu Medal and the NITW Alumni Association Gold Medal (Valedictorian and best student). Dr. Manjooran is the only alumni of NITW who has received 2 of 3 awards presented at graduation since the University was founded in 1959.

Dr. Manjooran is based at Windermere, Florida. He enjoys tennis, golf and water sports in his free time.

Abstract: Inventing the Future with Materials: 'The Backbone of Modern Technology & Innovation'

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Abstract:

Technology and innovation enhancements have tremendous potential to transform the way we live, learn, work and play. These enhancements significantly influence organizations by creating a new playing field, sharply disrupting markets, changing the relative importance of resources, challenging system capabilities, and reorganizing the basis of competition globally. Hence, it is essential to understand and predict how materials interact - specifically for selecting the appropriate material or material system for the targeted application concerned while maximizing the component beneficial features. The benefits can range from increasing component life to effectively utilizing the material or material system thereby translating to reduced component lifetime cost, increased component efficiency, increased flexibility and reliability or helping with reduced emissions. Real-life case examples scenarios with materials solutions for energy, industry and healthcare will be presented and discussed.