

Walter J. Trybula, Ph.D., BIOGRAPHICAL SKETCH (February 2007)



Walt Trybula, Ph.D., MBA, IEEE Fellow & SPIE Fellow, is the Director of the *Nanomaterials Application Center* at Texas State University and is a Director and Senior Policy Fellow of the *Trybula Foundation, Inc.* Dr. Trybula, a technology futurist, has focused his current activities on evaluating emerging trends and applications in nanotechnology, mesomaterials, MEMS/NEMS, and semiconductors with an emphasis on feasibility evaluation and profitable business insertion. His most recent published material is on nanotechnology, cleaning/contamination issues, nano patterning, and cost effective application of technology. He is an IEEE Distinguished Lecturer.

Dr. Trybula is active in disseminating information on the importance of nanotechnology, and has made numerous speeches on various aspects of the technology, including the need for building the evolving nanotechnology infrastructure from the existing semiconductor base. His recent efforts focus on the impact of nanotechnology on people and the environment. He has taught “Introduction to Nano Technology” courses at major conferences, is a member of the nanotechnology committee of the Texas Workforce Commission Advanced Manufacturing Working Group, participated in the IEEE nano standards committee effort, and developed the original SEMI NanoForum/Workshop. He is a member of the steering committee for the Texas Alliance for Nanoelectronics (TxAN) and co-chair of the Texas State Strategy on Advanced Technology Working Groups for both nanotechnology and MEMS.

Prior to his current assignments, Walt was a Senior Fellow at SEMATECH, the semiconductor research consortium, where he focused on emerging technologies, and was responsible for leading the initial effort to evaluate the feasibility immersion lithography. His Advanced Materials Research Center project involvement included nano imprint, self directed assembly, and organic transistors for sensor applications. Previously, Walt had been with two start-up companies. He was President of Ivy Systems, Incorporated, which is in electronics manufacturing automation, and was a Director at Compunetics, which is a computer integrator. Prior to Ivy Systems, Walt was with the General Electric Company for 12 years, the last nine of which were on corporate staff as Senior Consultant in electronics manufacturing technology.