

Terry C. Lowe



Dr. Lowe received his B.S. in Mechanical Engineering/Materials Science from the University of California, Davis in 1978 and his Ph.D. in Materials Science and Engineering from Stanford University in 1982. He has over 80 technical papers, 4 patents, and 5 edited books to his credit. His diverse career spans roles in university research and teaching, national laboratory research and management, and executive leadership in the nanotechnology industry.

From 1996-2000 Dr. Lowe was the Deputy Director of the Materials Science and Technology Division at Los Alamos National Laboratory (LANL), supervising an organization of over 500 research and support staff conducting \$100 million/year of materials research. Dr. Lowe's leadership roles in this position included principal responsibility for materials research portfolios supporting energy, environmental, and conventional defense program customers plus institution-wide roles in nanotechnology, university outreach, long range institutional site planning, community relations, cost reduction, and safety/security policy development. He has received several Los Alamos awards for distinguished performance and serves on multiple boards, advisory committees, and task forces on materials science, nanotechnology, and federally funded research programs.

During 2000 and 2001, Dr. Lowe served as President and CEO of Technanogy, one of the world's first and largest nanotechnology incubator companies. While in this role he received extensive executive coaching and leadership development through the MIT Sloan Business School of Management Executive Education program. As Technanogy CEO, he restructured the company from an incubator into multiple highly focused independent nanotechnology firms, leading to his co-founding of the nano-materials company, METALLICUM, which he merged into MANHATTAN SCIENTIFICS (Nasdaq: MHTX). He served as METALLICUM President and CEO until returning to LANL in 2002 to serve in serial project and program leadership roles to drive rapid institutional changes, start up new operations, and turn around organizational performance. He joined LANL's Quality Improvement Office to leverage his executive management systems training and experience establishing quality management processes under the DOE Quality Assurance Order (414.1), the Federal Quality Assurance Rule for nuclear facilities (10CFR830.120), and implementing ISO 9000 quality systems in the private sector. Subsequently, he was deployed to lead the LANL Science and Technology Base Program (STB) Office to help better integrate its institutional functions to enable and enhance the quality of LANL science and technology. STB includes research investment, university relations, science assessment, education, student, and post doctoral programs, science communications, foreign nationals program, and foreign travel.

Lowe joined LANL's Contractor Assurance Office at its founding in June 2006, originally leading the Assessment Management Office. This role leveraged his long experience as a

reviewer and assessor of DOE and DoD technical programs and his six years of service leading technical reviews and assessments for the National Research Council. Currently, he is the Director of the Performance Improvement Office which is tasked with developing and deploying the issues and corrective action management systems component of Contractor Assurance to ensure the overall performance of LANL on all aspects of its prime contract with the National Nuclear Security Administration of the U.S. Department of Energy.

Dr. Lowe is an Adjunct Professor of Clemson University and of the New Mexico Institute of Mining and Technology. He teaches graduate seminars on nanoscience, lectures for National Science Foundation sponsored educational outreach programs, and teaches technology management for Loyola-Marymount College of Business Administration.