

**Vice President and Manager  
Chemical, Environmental, and Materials Operations  
National Security Global Business**

**Education**

- M.S., National Resource Strategy, Industrial College of the Armed Forces, National Defense University
- B.S., Aeronautical and Astronautical Engineering, The Ohio State University

**Synopsis of Current Position**

Ms. McCauley leads the Chemical, Environmental, and Materials Operations (CEMO) for Battelle's National Security Global Business. Four product lines report into Ms. McCauley: Advanced Materials and Process Engineering, Analytical and Environmental Chemistry, Biomedical Science and Technology, and Environmental Technologies. Together, these four product lines total over 800 staff and conduct nearly \$200M of annual business for the U.S. government and multinational corporations in such diverse technical areas as nanotechnology, water treatment technologies, chemical analysis and methods development, hazardous materials testing, and environmental remediation.

Ms. McCauley is also a member of the Board of Directors for Battelle India, a wholly owned subsidiary of Battelle based in Pune, India. In all, she has over 25 years of experience in the aerospace and defense business, having served in a variety of technical and management roles.

**Summary of Previous Experience**

Operations Management. In her previous role, Ms. McCauley was the Deputy Director of Operations for Battelle's National Security Global Business. Fifteen product lines, consisting of over 3000 staff, conducted more than \$700M annually in scientific research, technology development, and product design and fabrication supporting the U.S. national security community. This represents a diverse portfolio of expert products and services including essential research in areas such as materials, chemistry, and biology; advanced rapid engineering analysis, design, and production; and operational CBRN support to DOD installations and deployed U.S. forces around the world. The global business owns and operates state-of-the-art engineering, science, and support facilities which support our nation's most critical aerospace, defense, and homeland security programs.

Industry Fellow, Industrial College of the Armed Forces (ICAF). Ms. McCauley was competitively selected as an Industrial Fellow for the 2006-07 school year. In addition to the core curriculum of national security strategy, economics, military strategy, and leadership, Ms. McCauley's research and study concentrated on U.S. national security science and technology policy and the role of industry. As part of a team assessing the state of the U.S. space industry, she visited aerospace companies and governmental organizations across the U.S. and in France and Germany.

## **Lisa A. McCauley (Continued)**

**Product Line Management.** From 1998-2006, Ms. McCauley led Battelle's Electronics and Avionics Systems (EAS) Product Line. She was responsible for the operational and financial aspects of a business with over 240 employees and \$50M revenue tied to electronics, sensors, and avionics engineering and manufacturing programs. She managed EAS' state-of-the-art electronics and electro-optics laboratories, a Class 100 cleanroom, and electronics manufacturing facilities. Key business areas include detection and diagnostics systems, countermeasure technologies, photonics products, electronic products for system sustainment, and contractor logistics support. Key programs included the design and production of the enhanced aft seat heads-up display monitor for the F-15 aircraft to the U.S. Air Force, caution and advisory system for the UH-60 Black Hawk helicopter, EMI shielding for the Javelin missile, and the Joint Biological Point Detection System for the joint services.

Prior to her appointment as Product Line Manager, Ms. McCauley led the Software Systems Engineering Group within EAS. In this capacity, she was responsible for 20 staff members whose experience encompassed embedded real-time and traditional software development, and electrical and systems engineering, and for the Software Development Laboratory, a state-of-the-art modular facility.

**Space Hardware Development Programs.** As flight program manager of Battelle's Advanced Materials Center for the Commercial Development of Space, Ms. McCauley led the design, development, and integration of space flight hardware systems and oversaw their operation in ground and flight systems (reduced gravity aircraft, sounding rockets, and the Space Shuttle). These crystal growth and polymer experiments flew on ten Space Shuttle flights since 1990.

She led in-house and contracted system development efforts, requiring a significant amount of technical and programmatic interface with NASA and other flight/payload organizations. She has both led and served on joint NASA/industry working groups. She frequently gave in-depth status reviews to clients, press briefings and interviews, and formal reviews to senior executives.

**NASA Safety Reporting System (NSRS).** Ms. McCauley was involved in the development and implementation of the NSRS, a voluntary and confidential reporting system initiated following the Space Shuttle *Challenger* accident to identify safety concerns to NASA's upper management. She was responsible for the establishing and implementing the NSRS Quality Assurance Program, and later served as Deputy Program Manager.

**Aerospace Technology and Systems Assessments.** Ms. McCauley supported NASA's space exploration initiative through work performed for NASA and other groups. She contributed to several early executive-level reports, including Dr. Sally Ride's report on "Leadership and America's Future in Space," and an assessment of innovative technologies for the exploration of space conducted by the American Institute of Aeronautics and Astronautics at NASA's request. Additionally, she represented the Johnson Space Center as the Planetary Surface System group representative to the Headquarters-level Exploration Technology Working Group.

She also led several space system assessments which provided comparative analyses of worldwide space systems and technologies, such as the European, Russian, and U.S. space suits and manned maneuvering units; Russian space station Medilab module plans; biomedical equipment and experimentation aboard the Mir space station; and Soviet space life support equipment.