



**Rear Admiral Walt Cantrell USN, (Ret)**

- Former member of Aerospace Safety Advisory Panel
- Member of NASA Stafford-Covey Return to Flight Task Group
- Former Commander, Space and Naval Warfare Systems Command

Rear Admiral Walter H. Cantrell has a history of involvement in the solution of high profile, technically complex and/or politically sensitive issues.

He graduated from the U.S. Naval Academy in 1958 with a Bachelor of Science degree in Naval Science. He also received a master's degree in Naval Architecture, Marine and Naval Engineering and a NavEng (Professional Degree) from the MIT in 1965. He is a graduate of the Senior Officials in National Security Program, JFK School of Government at Harvard. He retired from the U.S. Navy in 1995, after an extensive and distinguished career, which included acquisition and program management of nuclear submarines.

He then joined Global Associates Limited as Executive Director for Technology and Systems. From 1996-1997 he was President of the Signal Processing Systems Division. Most recently, from 1997-2001, he was Program Director, Land Level Transfer Facility, Bath Iron Works, and was responsible for the design and construction of a \$260M state-of-the-art shipbuilding facility.



**Vice Admiral Joe Dyer USN, (Ret)**

- General Manager, Military Systems Division, iRobot Corporation
- Former Commander, Naval Air Systems Command

Vice Admiral Joseph W. Dyer was commissioned through the Aviation Reserve Officer Candidate Program following graduation from North Carolina State University with a Bachelor of Science Degree in Chemical Engineering. He subsequently earned a MS in Financial Management from the Naval Post Graduate School, Monterey, CA. He received his wings in March 1971, and was selected as one of the first "Nuggets" (first tour aviators) to fly the Mach 2, RA-5C *Vigilante*. He flew nationally tasked reconnaissance missions in both the eastern and western hemispheres.

From April 1991 to December 1993, he was the Navy's chief test pilot. January 1994 to April 1997, he served as F/A-18 Program Manager leading the Engineering and Manufacturing Development (E&MD) effort on the new F/A-18E/F, the continued production and fleet support of the F/A-18C/D and all F/A-18 Foreign Military Sales. The F/A-18 program won the Department of Defense Acquisition Excellence Award and the Order of Daedalian during this period. Admiral Dyer was assigned as the Commander, Naval Air Warfare Center Aircraft Division, Patuxent River, in July 1997 and one month later assumed additional responsibilities as the Naval Air Systems Command, Assistant Commander for Research and Engineering. In June 2000, he was assigned as the Commander, Naval Air Systems Command.

Admiral Dyer is executive vice president and general manager of the iRobot Corporation's Military Systems Division. In this position, he works closely with the U.S. Department of

Defense to develop reconnaissance robots that will change the way wars are fought in the future.



**Dr. Augustine Esogbue**

- Professor and Director, Intelligent Systems & Controls Laboratory, School of Industrial and Systems Engineering, Georgia Institute of Technology

Professor Esogbue joined the faculty of the Georgia Institute of Technology (Georgia Tech) in June 1972 as an Associate Professor of Industrial and Systems Engineering under a joint appointment with the Health Systems Research Center. Since his promotion to the rank of Full Professor, with tenure, in the School of Industrial and Systems Engineering at Georgia Tech in 1977, he has held many leadership positions including the Director of the Intelligent Systems and Controls Laboratory, and Founder and Director, Minority Undergraduate Scholars Engineering Research Program (MUSERP) at Georgia Tech. Professor Esogbue holds the prestigious position of Honorary Professor at Daqing Petroleum Institute, Heilongjiang Province, China. Professor Esogbue was formerly Chancellor's Distinguished Professor of Industrial Engineering and Operations Research and Management Sciences at the University of California, Berkeley, an Assistant Professor of Operations Research and Member of the Systems Research Center at Case Western Reserve University in Cleveland Ohio. Additionally, he has held honorary appointments as Adjunct Professor of Community Medicine, Morehouse School of Medicine and in the Department of Mathematical and Computer Sciences at Atlanta University, Columbia University Seminars in Water Resources and Pollution Faculty, and Professor in Residence at Howard University.

Professor Esogbue is the author of 4 books, 18 book chapters, over 150 technical publications and nearly 300 technical presentations world- wide. In recognition of his accomplishments, he has been elected Fellow of the following 5 reputable organizations: the American Association for the Advancement of Science (AAAS), the Institute of Electrical and Electronic Engineers (IEEE), the Nigerian Academy of Sciences (NAS), the African Scientific Institute (ASI), and the Kerr L White Institute for Health Services Research (KLWI). Professor Esogbue was honored as the First recipient of the Golden Torch Award for Lifetime Achievement in Education given by the National Society of Black Engineers, the premier award recognition for African Americans in science, engineering and technology. Dr. Esogbue was also named as the First Recipient of the Andrew P. Sage Best Paper of the Year Award given by IEEE-Systems, Man, and Cybernetics Society in 1999. His accomplishments are chronicled in several Who's Whos including Who's Who in the World, International Who's Who in Engineering, American Men and Women of Science, Who is Who in Technology, The International Directory of Distinguished Leadership, International Who's Who of Intellectuals, and Who's Who Among African Americans, Member of the 100 Black Men of America, etc.

His research and consulting interests include dynamic programming, fuzzy sets, decision-making and control in a fuzzy environment, and operations research with applications to socio-technical systems such as health care, water resource management and disaster control planning. As the Director of the Intelligent Systems and Controls Laboratory he is investigating a hybrid approach to intelligent control via fuzzy sets, neural networks, and reinforcement learning theories as well as its application to various large-scale, nonlinear and uncertain dynamical systems. He has conducted numerous funded research projects for various agencies including NSF, EPRI, NASA, Agency for Health Research and Quality

(AHRQ), Army Research Office (ARO), and NIH. Current applied research activities are directed at patient safety enhancement via systems technology imperatives.

Dr. Esogbue has a record of prolonged service to various communities including the National Society of Black Engineers (National Advisor since 1989), Atlanta Sister Cities Commission (Commissioner since 1975), Leadership Atlanta Development Corporation (Leadership Atlanta, 1979), Georgia Council on International Visitors (Trustee, 2001), Georgia Goodwill Ambassador Corps (Outstanding Citizen, 2001), the Georgia Tech Athletic Board (Trustee, 2000), and the 100 Black Men of America. (1990, Chair, Collegiate 100).



**Major General Rusty Gideon, USAF (Ret)**

- Former Commander, Air Force Safety Center and Chief of Safety for USAF

Major General Francis C. Gideon, Jr. graduated from the U.S. Air Force Academy in 1966 with a bachelor of science degree in engineering sciences. He also earned a master of science degree in systems management from the Air Force Institute of Technology.

General Gideon was the chief of safety of the U.S. Air Force, and commander, Headquarters Air Force Safety Center, Kirtland Air Force Base, N.M. He served as the senior uniformed adviser to the chief of staff and the secretary of the Air Force on all issues involving the safety of a combined active duty, Guard, Reserve and civilian force of more than 700,000 people serving approximately 2,300 locations in the United States and overseas.

His career has touched many aspects of the Air Force mission as fighter pilot and experimental test pilot, and in acquisition, intelligence and logistics. His assignments span the globe from Thailand to England. He commanded one of the Air Force's three test wings and its center for scientific and technical intelligence. He is a command pilot with almost 3,000 hours flying in 30 kinds of aircraft. He was a A-10 test pilot and flew 220 combat missions in Southeast Asia in F-100s and F-4s.



**Ms. Deborah Grubbe, P.E.**

- Former consultant, Columbia Accident Investigation Board
- DuPont Corporate Director – Safety and Health

Ms. Deborah L. Grubbe is corporate director of Safety and Health for DuPont. She is accountable for leading new initiatives in global safety and occupational health for the \$27 billion corporation. Deborah was formerly the operations director for two global businesses—DuPont Nonwovens and DuPont Photopolymers and Electronic Materials. As director of

operations, she was responsible for manufacturing, engineering, safety, environmental, and information systems. Ms. Grubbe is also a past director of DuPont Engineering's 700-person engineering technology organization. Her 15 different assignments in more than 25 years range from capital project implementation through manufacturing, management, and human resources.

Deborah received a Bachelor of Science degree in Chemical Engineering from Purdue University, and was a Winston Churchill Fellow at the University of Cambridge, England. She is the former co-chair of the Benchmarking and Metrics Committee of the Construction Industry Institute, and is a member of the National Institute of Standards and Technology Visiting Committee on Advanced Technology. As part of the National Research Council, she has also advised the US Army on the Demilitarization of the US Chemical Weapons Stockpile. In 2002, Ms. Grubbe was honored as Engineer of the Year in the State of Delaware.



**Mr. John Marshall**

- Delta Airlines, Vice President Corporate Safety and Compliance

Mr. John C. Marshall is Vice President - Corporate Safety and Compliance for Delta Air Lines at its world headquarters in Atlanta, Georgia. Mr. Marshall has responsibility for five departments at Delta, including Flight Safety, Industrial Safety, Environmental Services, Emergency Planning and Operations, and Safety Analysis and Quality Assurance. Inherent in these organizations are FAA, DOT, DoD, OSHA, and EPA compliance-driven programs for accident prevention, accident investigations, and accident response. He also has collateral responsibilities for integrating safety and compliance programs for Delta's wholly-owned subsidiaries including Comair, Atlantic Southeast Airlines, Delta Global Services, and Delta Technologies, into Delta's mainstream programs. Under his leadership, Delta has been recognized for having industry-leading programs focused on reducing aircraft mishaps, employee injuries, and aircraft ground damages, while enhancing environmental compliance programs.

Mr. Marshall presently serves as the Industry co-chair of the Commercial Aviation Safety Team (CAST). CAST is a joint industry-government program to develop and implement an integrated, data-driven strategy to reduce the U.S. commercial aviation fatal accident rate by 80 percent by 2007. Participants include aircraft and engine manufactures, passenger and cargo airlines, labor unions, Flight Safety Foundation, Air Transport and Regional Airline Associations, NASA, DoD, and the FAA. Mr. Marshall is a past Chairman of the Air Transport Association of America's Safety Council and the Society of Automotive Engineer's Aerospace Symposium. He currently serves on boards for the National Defense Transportation Association's Military Subcommittee, Safe America (a nation-wide non-profit organization focusing on safety awareness), the Flight Safety Foundation, and the Nature Conservancy's International Leadership Council.

Mr. Marshall came to Delta September 1, 1997, with experience gained through his 26 year aviation career with the U.S. Air Force. His Air Force assignments included duties as a fighter pilot, Special Assistant to the Air Force Vice Chief of Staff, fighter squadron commander, base commander, and fighter wing commander. During his career, he primarily flew F-4s, F-15s, A-10s, and F-16s, as well as a variety of other aircraft. Mr. Marshall later

served as the Inspector General of the Pacific Air Forces and then became the Director of Operations of the Pacific Air Forces. While in the Pacific, he oversaw the safe and efficient operations of over 400 combat aircraft, including developing plans and policies used for executing his command's annual flying program. In his last assignment, he served as the United State's Director of Security Assistance for the Middle East where he was responsible for all sales, marketing, training, and logistic support between the United States and eleven countries in the Middle East, Africa, and Southwest Asia during and immediately after the Gulf War.

Mr. Marshall received his Bachelor's degree in Civil Engineering from the Air Force Academy in Colorado. He also is a graduate from the National War College, holds a Master of Arts degree in Personnel Management from Central Michigan University, and a Master of Science degree in Civil Engineering (Environmental) from the University of Hawaii.



**Dr. Rosemary O'Leary**

- Member of NASA Stafford-Covey Return to Flight Task Group
- Professor of Public Administration and Political Science, Maxwell School of Citizenship and Public Affairs at Syracuse University

Dr. Rosemary O'Leary is professor of public administration and political science, and coordinator of the Ph.D. program in public administration at the Maxwell School of Citizenship and Public Affairs at Syracuse University. An elected member of the U.S. National Academy of Public Administration, she was recently a senior Fulbright scholar in Malaysia. Previously Dr. O'Leary was professor of public and environmental affairs at Indiana University and co-founder and co-director of the Indiana Conflict Resolution Institute. She has served as the director of policy and planning for a state environmental agency and has worked as an environmental attorney.

Dr. O'Leary teaches graduate courses in Public Organizations and Management, concentrating on organization change, organization culture, and the management of scientific and technical organizations.

She has worked as a consultant to the U.S. Department of the Interior, the U.S. Environmental Protection Agency, the Indiana Department of Environmental Management, the International City/County Management Association, the National Science Foundation, and the National Academy of Sciences.

Dr. O'Leary is the author or editor of five books and more than 75 articles on public management. She has won seven national research awards, including Best Book in Public and Nonprofit Management for 2000 (given by the Academy of Management), Best Book in Environmental Management and Policy for 1999 (given by the American Society for Public Administration), and the Mosher Award, which she won twice, for best article by an academician published in Public Administration Review.

Dr. O'Leary was recently awarded the Syracuse University Chancellor's Citation for Exceptional Academic Achievement, the highest research award at the university. She has won eight teaching awards as well, including the national Excellence in Teaching Award given by the National Association of Schools of Public Affairs and Administration, and she was the recipient of the Distinguished Service Award given by the American Society for Public Administration's Section on Environment and Natural Resources Administration. O'Leary has served as national chair of the Public Administration Section of the American

Political Science Association, and as the national chair of the Section on Environment and Natural Resources Administration of the American Society for Public Administration.



**Mr. Steve Wallace**

- Former member of Columbia Accident Investigation Board
- Director, Office of Accident Investigation, Federal Aviation Administration

Mr. Steven B. Wallace was named Director of the FAA Office of Accident Investigation in May, 2000. He has overall responsibility for FAA accident and incident investigation activities, related training and quality control programs, and for implementation of corrective measures based on investigation findings.

From 1991-2000, Mr. Wallace was the FAA's senior representative at the U.S. Embassy in Rome, Italy, serving as the principal FAA contact for civil aviation authorities and the aviation industry in a 29-country geographic area spanning Central Europe, the Mediterranean and the Middle East.

From 1984-91, Mr. Wallace was manager of the FAA's Transport Airplane Directorate Standards Staff in Seattle, a group of engineers, pilots, and technical writers responsible for developing requirements for certification of transport aircraft.

Mr. Wallace began his FAA career as an attorney in the New York (1976-79) and Seattle (1979-84) Regional Offices. He holds a Bachelor of Science Degree in Psychology from Springfield College, a Juris Doctor Degree from St. John's University School of Law, and is admitted to legal practice before New York State and Federal courts. A licensed pilot since 1977, Mr. Wallace holds a commercial pilot's license with multi-engine and instrument ratings.



**Mr. Rick Williams**

- Alcoa Corporate Safety Director

Mr. Rick E. Williams is corporate safety director at Alcoa, responsible for developing strategies to improve the company's global safety performance, while also providing technical support and guidance on safety issues to Alcoa business leaders. In this role, he also shares the Alcoa safety experience with customers and other external organizations.

Mr. Williams has over 25 years of experience in manufacturing including roles in operations, Human Resources, Safety, and Community and Government Affairs. He has served in plant, Business Unit and Corporate assignments. Prior to his current assignment Rick was the Director of Human Resources for Alcoa Primary Metals located in Knoxville Tennessee. In this role, he led the integration efforts of both the Alumax and Reynolds acquisitions into the

Alcoa Primary Metals organization. Prior to that he served as Vice President of Human Resources for Alumax Primary Metals in Norcross Georgia.

Mr. Williams graduated from the University of Maryland with a bachelors of Science degree in business in 1976. He later continued his studies at the University of Maryland, and, in 1994, he received an MGA degree in Human Resources.



**Brigadier General Joe Smith, USA – Ex-Officio Member**

- Director, Army Safety Center

Brigadier General Joseph A. Smith assumed the duties as the Director of Army Safety and Commanding General, United States Army Safety Center, Fort Rucker, Alabama, on 20 June 2003.

General Smith completed both an undergraduate and masters program at Western Kentucky University in 1974.

General Smith's most recent assignment was as the Assistant Division Commander for Support with the "All Americans" in the 82d Airborne Division.

He participated in Operation Just Cause in Panama, Operation Desert Storm in Saudi Arabia, Operation Joint Forge during SFOR 6 in Bosnia, Operation Enduring Freedom in Afghanistan with both the 10th Mountain and 82d Airborne Divisions, and most recently, General Smith has been deployed in support of Operation Iraqi Freedom.