

DR. GREG L. ZACHARIAS

Chief Scientist of the U.S. Air Force

Dr. Greg L. Zacharias is Chief Scientist of the U.S. Air Force, Washington, D.C. He serves as the chief scientific adviser to the Chief of Staff and Secretary of the Air Force, and provides assessments on a wide range of scientific and technical issues affecting the Air Force mission. In this role, he identifies and analyzes technical issues and brings them to the attention of Air Force leaders, and interacts with other Air Staff principals, operational commanders, combatant commands, acquisition, and science and technology communities to address cross-organizational technical issues and solutions. He also interacts with other services and the Office of the Secretary of Defense on issues affecting the Air Force in-house technical enterprise. He serves on the Executive Committee of the Air Force Scientific Advisory Board. He is the principal science and technology representative of the Air Force to the civilian scientific and engineering community and to the public at large.



Dr. Zacharias served on the Air Force Scientific Advisory Board for eight years, contributing to nine summer studies, most recently chairing a study on “Future Operations Concepts for Unmanned Aircraft Systems.” He also chaired the Human System Wing Advisory Group, was a member of Air Combat Command’s Advisory Group, and served as a technical program reviewer for the Air Force Research Laboratory (in Human Effectiveness and Information Systems). He was a member of the National Research Council (NRC) Committee on Human Factors (now the Committee on Human-Systems Integration) for over ten years, supporting a number of NRC studies including one for Defense Modeling and Simulation Office evaluating the state-of-the-art in military human behavior models, and co-chairing a follow-up study entitled “Organizational Models: from Individuals to Societies,” which presents a roadmap for future DoD science and technology investments in this area. He has served on the DoD Human Systems Technology Area Review and Assessment (TARA) Panel.

Prior to assuming his current position, Dr. Zacharias worked as a Research Engineer at the C.S. Draper Laboratory and a Senior Scientist at Bolt Beranek and Newman Inc. before most recently serving as the President and Senior Principal Scientist of Charles

River Analytics, a research and development company that he co-founded.

EDUCATION

1967 Bachelor of Science degree in Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge

1974 Master of Science degree in Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge

1977 Doctorate of Philosophy degree in Instrumentation, Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge

CAREER CHRONOLOGY

1. 1967 – 1968, Research Engineer, MIT Measurement Systems Laboratory, Cambridge, Mass.
2. 1968 – 1969, Scientific Programming Consultant, Boston City Hospital, Boston, Mass.
3. 1969, Research Engineer, AstroNautical Research, Inc., Cambridge, Mass.
4. 1970 – 1973, Aerospace Technologist/1st Lt., U.S. Air Force, NASA Johnson Space Center, Houston, Texas
5. 1974, Research Engineer, C. S. Draper Laboratory, Inc., Cambridge, Mass.
6. 1977 – 1983, Senior Scientist, Bolt Beranek and Newman Inc., Cambridge, Mass.
7. 1983 – 1998, Vice President and Principal Scientist, Charles River Analytics Inc., Cambridge, Mass.
8. 1998 – 2015, President and Senior Principal Scientist, Charles River Analytics Inc., Cambridge, Mass.
9. June 2015 – present, Chief Scientist of the U.S. Air Force, Washington, D.C.

AWARDS AND HONORS

U.S. Air Force Officer Training School distinguished graduate

U.S. Air Force Meritorious Civilian Service Award

MIT Sloan Scholar

MIT Luis de Florez Award

National Institutes of Health National Research Service Award

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS

American Institute of Aeronautics and Astronautics

Embry-Riddle Research Advisory Board

Human Factors and Ergonomics Society

Institute of Electrical and Electronics Engineers

MIT Institute for Data, Systems, and Society Alumni Advisory Council

National Research Council Committee on Human Factors

NRC Panel on Modeling Human Behavior

NRC Panel on Modeling Organizational Behavior (co-chair)

Presence Editorial Board

U.S. Air Force Scientific Advisory Board