

DR. GREGORY H. CANAVAN

Dr. Canavan is a Senior Fellow and Scientific Advisor, Physics Division, Los Alamos National Laboratory. He previously served as the DOE Director of the Office of Inertial Fusion, Special Assistant to the Chief of Staff of the U.S. Air Force, Presidential White House Fellow, Special Assistant to the Secretary of Energy for the Office of Energy Policy Planning, and Chairman of the Board of the Hertz Foundation for scientific education. He is a Fellow of the American Physical Society and a Member of the American Association for the Advancement of Science.

He served as Program Manager and Group Leader for Advanced Laser Fusion at Los Alamos until becoming a member of the White House Science Council, participating in its reviews of offensive and defensive strategic forces. He wrote the WHSC evaluation used to initiate President Reagan's Strategic Defense Initiative and invented the space-based interceptor (SBI or Brilliant Pebble), that became the foundation of the SDI and the DOD's highest priority program.

On 9/11 he was brought to Washington to lead efforts on counter terrorism for the DOE, DOD, CIA, and NSA, after which he served on the New York Mayor's Commission on Counter Terrorism on explosive, anthrax and economic threats. On returning to Los Alamos he resumed research, analysis, and experimentation on the detection of concealed nuclear weapons.

Dr. Canavan has worked extensively in the area of missile defense and technology, advanced warning and imaging satellites, and threats to space systems. He is currently a member of Advisory Groups on missile defense and strategic assessments for Air Force Space Command, U.S. NORTH Command, and USSTRATOM.

He has served as a member of the National Academy of Science Committee on Climate Change, the International Space Station Management and Cost Evaluation Task Force, the Defense Policy Board, and the Army Science Board. He chaired the NASA Earth System Science and Applications Advisory Committee, and advanced the set of satellites that provide the primary source of data on global climate.

He served as a member of, the USAF Scientific Advisory Board New World Vistas, the Strategic Defense Initiative Organization (SDIO) Advisory Committee, the DARPA Directed Energy Panel, and the Defense Threat Reduction Agency Graybeard Panel.

Dr. Canavan received a BS in mathematics with highest honors from the U.S. Air Force Academy in 1965, an MBA in economics from Auburn University, and the MS and PhD in Applied Sciences from the University of California Davis in 1968. He retired from the Air Force as a Colonel.