

**Gene Whitney (Ph.D.)**  
NSTC Agency Rep from the U.S. Geological Survey  
Committee on Science

Gene Whitney is the U.S. Geological Survey agency representative to the National Science and Technology Council. Before coming to OSTP, Gene was Chief Scientist of the USGS Energy Resources Team, Denver, CO, where he directed 100 research scientists conducting basic research on the geology, geochemistry, and geophysics of fossil fuels, and conducted national and global assessments of oil, natural gas, and coal resources.

Gene holds B.S., M.S., and Ph.D. (Geology, University of Illinois) degrees. He was awarded a National Research Council Postdoctoral Fellowship with NASA, working at the Jet Propulsion Laboratory/Caltech, where he studied spectral characteristics of earth surface materials for remote sensing, and worked on the Shuttle-Mounted Infrared Ratioing Radiometer, which flew on the second flight of the Space Shuttle.

Between 1980 and 1996, he was a research scientist at the U.S. Geological Survey, specializing in the mineralogy and geochemistry of soils and sedimentary rocks. Target studies included diagenesis in sedimentary basins, soil geochemistry, low-temperature reaction kinetics, hydrothermal mineral reactions, mineralogy and geochemistry of abandoned mine waste, multispectral remote sensing, and the formation and migration of petroleum.

Gene has authored or co-authored dozens of published scientific papers, abstracts, invited talks, short-courses, geologic field trip guides, and symposia. He has served as an advisor on oil and gas issues for USAID and State Department, working in Pakistan, Bangladesh, Algeria, China, and Russia. He has served on numerous national scientific and administrative panels and is a member of several scientific societies, serving as society officers and meeting organizer. He has served as graduate research advisor for graduate students at Colorado School of Mines, technical reviewer of numerous manuscripts and proposals, has been a member of numerous panels and boards, and has served as a steering committee member of an international scientific drilling program on natural gas hydrates.