



SCIENCE, TECHNOLOGY AND INNOVATION BOARD

Member



James Trebes

Dr. James Trebes received his **BS in Physics from Georgia Tech** and his **PhD in Physics from Yale University**. He then worked at Lawrence Livermore National Laboratory (1984-2023) on a broad range of topics including x-ray lasers, laser fusion, nuclear weapons physics, nuclear weapons engineering, x-ray optics, x-ray imaging, detectors, biophysics, bio-detection, night vision, military special operations technology, medical technology, space technology, tomography, nuclear non-proliferation, intelligence analysis, quantum science, and conventional weapons technology. He has served as a Group Leader, Division Leader for Medical Technology and Biophysics, Division Leader for Applied Physics, and Division Leader for Physics. He was the Principal Physicist for Directed Energy for OUSD (R&E) from 2019-2020 and the Principal Director for Directed Energy for OUSD (R&E) from 2020-2022. He has served as an advisor to both the Texas A&M Aerospace Dept and the UC Berkeley Nuclear Engineering Dept. He was co-chairman of the Missile Defense Agency Directed Energy Independent Assessment Team. He is a Fellow of the American Physical Society and currently is a private consultant.

