

## 2019 NSE Grantees Conference

### Nanotechnology Education and Outreach

Dr. James S. Murday

University of Southern California's

Moderator



**Abstract:** The National Science and Technology Council (NSTC) includes the Committee on Science, Technology, Engineering, and Math Education - coSTEM. The Science, Technology, Engineering, and Mathematics (STEM) Education Advisory Panel (Committee) has been identified to provide advice and recommendations to the CoSTEM, assess CoSTEM's progress in carrying out responsibilities related to the America COMPETES Reauthorization Act, and help identify need or opportunity to update the Federal STEM Education 5-Year Strategic Plan. Interagency working groups have been formed to assist the Advisory Panel. One of the working groups - led by Louie Lopez, Director DOD STEM, and Dr. Jorge Valdes, Education Program Officer, USPTO - is working on convergence education.

**Bio:** Dr. James S. Murday received a B.S. in Physics from Case Institute of Technology in 1964, and a Ph.D. in Solid State Physics from Cornell in 1970. Prior to joining the University of Southern California's Research Advancement Office in Washington DC as Director of Physical Sciences in fall 2006, he was at the Naval Research Laboratory (NRL) where he served as bench scientist from 1970 - 1974, led the Surface Chemistry effort from 1975-1987, and was Superintendent of the Chemistry Division from 1988 to 2006 when he retired from Federal service. His research interest in nanoscience began in 1983 as an Office of Naval Research program officer and continued through the NRL Nanoscience Institute. He helped create the National Nanotechnology Initiative and has organized numerous International STM/NANO conferences. Under his direction, both the AVS and the International Union for Vacuum Science, Technology and Applications created a Nanometer Science/Technology Division.