



## FIRST INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATION AND COOPERATION

### **Abstract**

#### **Panel Discussion – James S. Murday**

The DOD has long appreciated the importance of nanostructures to technology, especially in electronics; the DOD Ultra-Submicron Electronics Research (USER) program in the early 1980's would now be recognized as addressing nanotechnology. The DARPA ULTRA (ultra-dense, ultra fast) program in the early 1990's was another large program to focus attention on the nanoscale. The DOD participation in the NNI now approaches \$300M annually, with about 60% of the funding in basic research. In addition, in 2005 the DOD had approximately an additional \$150M in Congressionally directed nanotechnology programs. All these funds are largely invested in materials and information technology devices at the nanoscale. The DOD goals and investment levels, with emphasis on information technology devices, will be discussed.