



Panel Discussion:

Legacy of the NSEC Programs



Agenda

Bob Westerveld

Scientific Legacy

Dick Siegel

Technological Development Legacy and Future

Ahmed Busnaina

NSECs and industry: Legacy and Future

Placid Ferreira

Manufacturing Legacy and Future

Barbara Harthorn

Societal Impact Legacy and Future

Jim Yardley

Comments and Discussion

Yardley's Observations.....NSEC Legacy

- **Students and postdocs who understand and have experienced truly collaborative interdisciplinary research.**
- **Science and Technology that transcends what would have happened without a center-level environment.**
- **Creation of a community for interdisciplinary research in nanoscale science and technology.**
- **Creation and rapid development of new interdisciplinary fields of endeavor.**
- **Nurture of new faculty (and some non-new faculty) who understand and indeed champion interdisciplinary research.**

- **New level of diversity in scientific endeavor – especially in university faculty.**
- **Higher level of inquisitiveness in research – research on a higher intellectual plane.**
- **Establishment of culture for collaborative interdisciplinary research in universities, but also industry and national laboratories.**
- **New technological and business concepts and basis for application to the benefit of society.**
- **Paradigm for national (and indeed international) focused science and technology development program.**

Some discussion points:

- **What legacies did we leave out?**
- **How can these legacies be quantified?**
- **How could we make the case for legacies that are seemingly difficult to quantify?**
- **Would the funds have been better expended to support research grants to individuals?**