

## The 2<sup>nd</sup> Korea \_US nanoforum-nanomanufacturing panel discussion

### 1) general items

NSF funding (0.5M\$) for international partnership centers.

Additional MOST funding for international collaboration

(a) exchange of scientist

(b) direct research funds (exist-but general items)

### Ideas

- Connect centers with complementary research between Korea and US
- Set aside fixed amount of **current and additional fund** for international nano-collaboration
- NSF individual research collaboration program should be restored.
- Encourage the group proposal and get rid of the maximum limit for the research fund.
- Establish a website for international collaboration for nanoscience (ex. [www.nano.gov](http://www.nano.gov))- **KISTI**, list up all nanoscience related research groups, contact person, program information, who is doing what, how to get funded , reports on past and current collaborations etc.
- More supports for the student exchange program
- Two workshops for a year, one for the education the other for the research.

## 2) specific items

### **Research collaboration in nano-manufacturing.**

- **Device and circuits applications of carbon nanotubes**
- **Device interconnection, packaging issues**
- **Bio-driven manufacturing(nanobio devices, synthesis) or assembly**
- **Developing new nano-characterization tools and reliability test devices.**
- **Multi-scale simulation for nano-system**
- **Scale up synthesis and scale up bottom up assembly of nanoscale components. Mix and match for the integration of top-down and bottom-up approach**