

**Nanotechnology Forum: A Call to Action for California Community Colleges  
City College of San Francisco – School of Math and Science and Center for  
Applied Competitive Technologies  
Friday March 24, 2006**

**Action Plan Summary**

*Tell us what you think needs to happen next for CCs to be in position to educate NT workers of present and future?*

- Need to go back and think about hands on skills—instrumentation and lab skills
- Consider developing an interdisciplinary studies program—historically have not focused in this way
- Share FHDA experience moving from silo- to interdisciplinary way
- Collaborate w/ local industry
- Develop opportunities for faculty to go to industry and work in summer
- Mix adjunct faculty into program—take straight out of industry
- Develop program similar to the UC-Davis Bioinformatics Program model (week-long, summer experience)
- Be careful before jump in and “do” nano
- Consider different approaches colleges can take across region; consider where competencies are inside colleges
- Have strong biotech programs so students are trained with skills industry seeking; need to give experience in AFM; start course in electromicroscope; partner with university for training opportunities
- Develop a design course for teachers; teachers need practice fabricating as an instructor; have group of scientists work with teams to develop different models for classes and share
- Emphasize retraining engineers who are looking for “crash-courses;” develop a boot camp for those who need to brush up on physics, etc. that would not require to take all courses required before touching a lab; can add to the learning environment to have students with a variety of expertise looking to brush up on skills
- Develop regional, state-wide Web site to share resources
- Think outside of 16-18 weeks course “box”—ex. 1-week, 2-day courses, etc. in Excel, other areas; capture demand for learning something outside area of expertise
- Focus on techniques and training on practical experiences from industry
- Remember importance of basic skills; don’t “fast track” over basics; put basics at front of curriculum

*What would a statewide, Bay Region working group on NT look like? Who involved? Who interested in joining?*

- Tap into IEEE SF Bay Area Nanotech Council—2 years old; meet monthly, every 3<sup>rd</sup> Tuesday; industry, academia represented; hold an annual event
- [www.IEEE.org/nano](http://www.IEEE.org/nano)
- Welcome involvement from everyone