



MATH, SCIENCE & SOCIAL SCIENCE DIVISION

## Meeting Minutes

Nanotechnology Technical Advisory Committee

October 2, 2007, 7:30 a.m.

### MEMBERS PRESENT

Ethan Allen  
Mark Helsel  
Erik Miller

Nick Cabot  
Michael Hjelmstad  
Kathleen Stamm

Jim Griffing  
Len McNally

### FACULTY AND STAFF PRESENT

Alissa Agnello  
Bob Kaercher

Tracy Furutani  
Peter Lortz

Tom Griffith  
Mary Ellen O'Keeffe

### WELCOME AND APPROVAL OF MINUTES

Len McNally called the meeting to order, welcomed and thanked everyone for taking time out of their day to attend the meeting. Minutes of May 1, 2007, minutes were approved as written.

### I. TRANSITIONS

Tom Griffith introduced Pete Lortz as the new dean of the Math, Science & Social Sciences Division and Alissa Agnello as the new instructor for nanotechnology program.

### II. REPORTS FROM NSCC

Tracy Furutani reported on the summer workshop held at NSCC and U of W. It was well attended and high school teachers from throughout the state participated. Tracy reported on the conference in Texas he and Davene Eyres, physics instructor at North, attended recently. There was good sharable content available. Several other states, from Florida to California, are working to develop nanotechnology programs. NSCC has a good reputation as being further along than other colleges and have been asked to present at other conferences. Alissa will attend the California Institute of Nanotechnology conference in California this fall quarter.

## **II. REPORTS FROM NSCC (Continued)**

NSCC is in the final stages of submitting the second NSF grant proposal and Tracy might call upon TAC members for information and assistance. Mary Ellen O'Keefe thanked the committee for their three years of support to the Nano program. Kathleen Stamm thanked Tracy for his feedback on the activities involving the Nano program.

Tom reported that NANO 101 now transfers to University of Washington as a science (SCI) elective as the U of W doesn't have a NANO prefix. Pete added that he has communicated to NSCC advisors to encourage students to enroll in NANO 101 as a science course now that it transfers. It will also introduce students into a new science arena. Alissa reported there are eleven students enrolled in NANO 101 and four students enrolled in the material science MSC 101. Several of the students are Carbon NanoProbe employees.

## **III. STATUS/UPDATES FROM NSCC**

Alissa flew to California to attend the California Institute of Nanotechnology Training and found out it had been canceled. She was able to meet the director and snuck into a different conference for awhile. She will return in November to attend the schedule workshop.

## **IV. INDUSTRY INVOLVEMENT CAPABILITIES**

Len reported Honeywell has adopted a 24/7 operation in the Redmond facility. Honeywell needs process technicians/operators and are not able to find qualified people. They recently recruited in Portland area. Len said Honeywell doesn't currently have an internship program, but would be to work something out when the occasion arrives or is needed. Pete reported an NSCC group discussed offering classes through partnerships. Need to get together with industry to find out what they need/want in line of classes. Pete also said the NSCC Public Information Office is going push the NANO program with a prime goal to attract students.

## **V. QUESTIONS FOR INDUSTRY**

Jim Griffing reported Boeing has a several lab employees who will be reaching 65 and they will need lab workers experienced in composite materials. He said any NANO graduated would be qualified.

Erik Miller reported Lumera typically hire undergraduates, but they don't stay long. They will have a fabrication internship available soon.

Mark Helsel reported MicroVision is projecting growth and hope to hire a couple of technicians in the next few years. MicroVision currently uses several Taiwan manufacturing companies.

Meeting adjourned at 8:30 a.m.