



MATH, SCIENCE & SOCIAL SCIENCE DIVISION

**Meeting Minutes**

Nanotechnology Technical Advisory Committee

Monday, March 2, 2009, 3:30 p.m.  
Math, Science & Social Science Conference Room

**MEMBERS PRESENT**

Ethan Allen, University of Washington  
Mark Helsel, Microvision  
Dan Ratner, University of Washington  
Jeanne Small, University of Washington  
Shaun Taylor, University of Washington

Dan Graham, Asemblon Inc  
Len McNally, Honeywell Redmond  
Rad Roberts, University of Washington  
Kathleen Stamm, KMS Designs, LLC

**NSCC MEMBERS PRESENT**

Alissa Agnello  
Peter Lortz  
Chris Sanders

Frank Jump  
Steve Miller

Bob Kaercher  
Mary Ellen O'Keeffe

**GUESTS PRESENT**

Mel Cosette and Frank Cox, Edmonds Community College  
Sarah McQuaide, University of Washington  
Janelle Leger, WesternWashington University

**I. INTRODUCTIONS (Len McNally)**

Len called the meeting to order at 3:30 p.m., and welcomed and thanked everyone for attending the meeting. Each person introduced themselves and company/college/university they represented.

**II. APPROVAL OF MINUTES (Len McNally)**

Minutes of fall quarter meeting held on October 21, 2008, were approved as corrected.

### **III. UPDATES FROM NSCC (Alissa Agnello and Sarah McQuaide)**

#### ***CURRENT ENROLLMENTS***

Alissa reported twelve students completed NANO 101 at the end of fall quarter and five (5) or six (6) plan to follow through the entire program. As of today, with start of spring quarter a month away, there are eight (8) students in NANO 101.

#### ***STATUS OF NEW NANO 225 COURSE***

Sarah, who is teaching portion of the lab for NANO 225, showed a sample of what students are doing at the U of W microfabrication /cleanroom lab. Sarah said she is very impressed with the quality of NSCC students.

#### ***NSF-ATE PROJECT PROPOSAL STATUS***

Alissa report she has not heard anything about the status of her proposal. Jeanne Small said that is a good sign. Rad Roberts recommended Alissa call the program office and inquire on the status and also asked about new grants proposals available. Len McNally can see more involvement of the TAC Committee if the granted is awarded to NSCC.

#### ***NACK ALUMNI NETWORK COMMITTEE***

Alissa was invited to be on the committee for the newly funded NSF-ATE Nation Center for *Nanotechnology Applications and Career Knowledge (NACK)* which will provide resources and website for alumni of nanotechnology programs. Peter Lortz stated Alissa is an asset to NSCC and the nanotechnology community and she continues to receive accolades from her peers and students in the reviews being done during her tenure process.

### **IV. PROPOSAL FOR MINOR IN NANOTECHNOLOGY AT UW (Ethan Allen)**

Ethan described the proposal and said NSCC's nano program would link to the new minor program at the university. It will most likely be six months before Ethan hears anything. Len said this would be an element to call NSF and relay the information of a possible articulation between NSCC and the University.

### **V. NANO TECHNICIAN CORE COMPETENCIES (Mel Cosette)**

Mel passed out brochures on Edmonds Community College's "Core Competencies for Technicians Working with Materials." They would like to add a nanotechnology element and to work with NSCC's Technical Advisory Committee and Alissa to write core competencies for nanotechnology. Mel would like to call a working meeting within the month. Edmonds' grant ends June 30<sup>th</sup> so they have the dollars to meet and work on the competencies and, hopefully, complete them by June 30<sup>th</sup>.

### **VI. INDUSTRY INVOLVEMENT (Alissa Agnello and Len McNally)**

Alissa reported there are two students requiring an internship this spring quarter which starts in early April. In winter quarter of 2010, there could be as many ten students requiring an internship. Len asked industry members to work with Alissa if their company can take an intern. Mark Helsel commented the intern they had from last year is still working at Microvision as an hourly employee.

### **VII. QUESTIONS FOR INDUSTRY (Peter Lortz)**

Pete asked the committee if NSCC was hitting all the nanotech areas in curriculum, marketing, TAC membership and funding opportunities, plus any upcoming networking opportunities. Discussion followed. Rad Roberts suggested contacting a new upstart company named Energ2 for membership or internship possibilities. He will send a list of local cleantech companies of which some use nanotechnology. Rad also invited the committee to a UW Math 381 Modeling event being held March 13<sup>th</sup>, 3pm to 5pm. Pete gave information about the project "Ready, Set, Transfer" that is a collaborative effort with Seattle Central and South Seattle campuses.

Meeting adjourned at 5:10pm.