



**NORTH SEATTLE  
COLLEGE**

*One of the Seattle Colleges*

**MATH & SCIENCE DIVISION**

**Meeting Minutes**

Nanotechnology TAC Meeting

Thursday, December 4, 2014

4:00 – 5:00 PM

HSSR Seminar Room, North Seattle College

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**MEMBERS PRESENT**

Chad Goodwin, *EnerG2*  
Dan Ratner, *University of Washington – BIOE*  
Frank Garcia, *RJC Enterprises, LLC*  
Kathleen Stamm, *KMS Designs, LLC*  
Len McNally, *Honeywell – Committee Chair*  
Sarah McQuaide, *Silicon Designs*

**NSC MEMBERS PRESENT**

Alissa Agnello	Mine Her
Maureen Devery	Peter Kazarinoff

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I. Introductions

- The meeting was called to order at 4:00 PM. Each person introduced themselves and company/college/university they represented

II. Approval of Minutes

- Reviewed minutes from the May 21st, 2014 meeting
- Minutes were approved as written

III. Updates from NSC Nanotechnology Program

- Introduction of new SHINE Nanotechnology Lab Technician
  - Kristin Schroeder

- 50% time with Nanotechnology Lab, 50% time with Biology Lab at North Seattle College
- Current enrollments
  - Fall 2014 Nano 101 had 18 students (target of 20 students)
    - Class is being taught by a new instructor at North, Alicia Cohn
  - 8 second year students, 3 of those are on the 1 year certification track
    - Currently there are more internship sites that interns
    - All positions are currently at the technician level
- Nanotechnology Program pre-requisite changes
  - Current statistics pre-requisite for Nanotechnology Program is Business and Economic Statistics (BUS 210)
    - It was proposed to also add Introduction to Statistics (MATH&146) as a pre-requisite for the Nanotechnology Program
      - Approved to add MATH&146
  - Current NANO 220 pre-requisites are NANO 101, CHEM&121, MATH 098, or by instructor permission
    - It was proposed to also add Introduction to Materials Science (MSC 101), and by instructor permission as a pre-requisite for NANO 220
      - Approved to add MSC 101; or by instructor permission
- National Educators Workshop (NEW) 2014
  - 2014 NEW was a great success with 140-150 participants
  - Workshop will have new name next year – MSTEM (Materials in Science Technology and Math)
- Micro-Nano Technology Conference (MNT) at North Seattle College, June 24-26, 2015
  - MNT is a collaboration between the six NSF ATE Micro/Nanotechnology Centers
  - TAC Members were asked if they would be interested in:
    - Serving as a keynote speaker, or suggesting a key note speaker?
    - Submitting a session proposal?
    - Sponsorship of the MNT Conference, or sponsorship of a particular event within the MNT Conference?
    - Hosting an exhibit table? How much is an acceptable charge for exhibitors?

IV. Questions for Industry

- Review of Nano-technician Skills and Competencies Survey
  - Survey categories included:
    - Fundamentals and EHS Awareness
    - Equipment and Processing
    - Fabrication Skills
    - Characterization Skills
    - Professional Skills

V. Tour of *The Scientific Eye: Science and Art*

- North Seattle College Art Gallery

VI. Adjournment

- Meeting was adjourned at 5:00 PM