



**NORTH SEATTLE
COLLEGE**
One of the Seattle Colleges

MATH & SCIENCE DIVISION

Meeting Minutes

Nanotechnology TAC Meeting
Thursday, December 10th, 2015
4:00 – 5:00 PM
Grove Seminar Room
North Seattle College

MEMBERS PRESENT

Christine Simpson, *WorkSource Washington – Employment Security Department*
Dan Graham, *University of Washington – BIOE*
Frank Garcia, *RJC Enterprises, LLC*
Len McNally, *Honeywell – **Committee Chair***
Sarah McQuaide, *Silicon Designs*
Qiuming Yu, *University of Washington*

NSC MEMBERS PRESENT

Alissa Agnello
Alicia Cohn
Graciela Matrajt
Brian Rucci
Kristine Schroeder

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 June 18th, 2015 meeting
- Minutes were approved as written

III. Updates from North Nanotech Program & SHINE

- Personnel Changes
 - Peter Kazarinoff accepted a position at Portland Community College. A hiring committee for a new Managing Director was formed, and SHINE's top candidate accepted the position. Graciela Matrajt started as new Managing Director of SHINE at the end of July 2015.
 - Alissa Agnello accepted the position of Dean of Math & Science at North Seattle College, and started her new position at the end of July 2015. Alissa is still PI for SHINE.
 - At the end of October 2015, Mine Her moved to his new position as the Employer Relations Specialist for Cal State San Marcos (San Diego, CA).
 - Brian Rucci's position was reclassified from Program Specialist 2 to Program Manager.
 - Kristine Schroeder went from working part-time in the NanoLab to SHINE's fulltime Lab Technician.
- SHINE successfully submitted their NSF ATE competitive renew proposal in October 2015
 - Should hear about approval or denial of funding by the middle of next year. They can resubmit if not awarded this round.
 - SHIINE has enough funding and can apply for a 1 year no cost extension.
- Enrollments: NANO 101, 2nd year students, internships
 - 18 students enrolled in Nano 101
 - 12 "senior" students (~2/3 AAS-T & 1/3 Cert.)
 - Potential internship sites for 2015-2016:
 - Prof Yu's lab UW (Chemical Engineering)
 - Prof Krishnan's lab UW (Material Sciences)
 - Lab/Cor Materials
 - Polydrop
 - Confidence Analytics
 - Modern Electron
 - Beryllium
- Lab updates
 - There are 3 new instruments in the Nano Lab: carbon coater, DLS, analytical probe station.
 - Kristine has expanded open lab hours and is has 4 student workers in the lab.
 - Total Nano Lab User Facility revenue generated to date is \$6,120.63.

- SHINE is working hard to integrate the Nano Lab into other programs on campus.

IV. Curriculum Review

- Nano 101 Hybrid
 - Lectures delivered online
 - Labs, exams, activities in one 2-hr/week session
 - Course needs to be approved by e-learning and other faculty. If approved, first Nano 101 hybrid course would run spring 2016.
- Characterization Modules
 - Potentially break Nanocharacterization into 1-credit modules
 - Electron Microscopy (SEM, TEM, EDS, sample preparation)
 - Surface Probe Techniques (STM, AFM, Profilometry)
 - Optical and Confocal Microscopy
 - Electrical Characterization
 - Miscellaneous Techniques (DLS, Goniometer)

V. State of the Industry

- Any changes to report?
 - Honeywell is preparing for a slow economy and is not hiring many new technicians.
 - RJC Enterprises, LLC will be hiring, but not Nano related.
 - Microvision has an open position for someone with experience.
 - Silicon Designs will probably not need new technicians anytime soon.
 - Generally speaking there more companies in the UW WNF (ex. VerAvanti and ImTech Technologies).
- Upcoming networking opportunities?
 - Graciela will be a guest panelist at the Seattle AWIS Monthly Programming Series: Applications of Nanotechnology in Life Sciences
 - SHINE will have a booth at the 25th Annual WiSE Conference at the UW

VI. Adjournment

- Meeting was adjourned at 5:10 PM