



**Executive Board Meeting Minutes
June 9, 2011
468 Whitaker Lab
Lehigh University**

LNN Executive Board Members:

(Attendees in Bold)

Barbara Canfield	Northampton CC	
Chris Kiely	Lehigh	
James Gilchrist	Lehigh	
Mark Snyder	Lehigh	
Martin Harmer	Lehigh	
Justin Likar	Lockheed Martin Space Sys.	
Joe Lane	Ben Franklin NEP	
Gene Lucadamo	Lehigh	Academic Chair
Shahri Naghshineh	Surface Chem. Discoveries	
Nancee Noderer	Mfrs. Resource Center	
Jim Marler	Mfrs. Resource Center	
Steve Melnick	LVEDC	
Smit Patel	ARDEC Picatinny	
Raj Pitchimani	Silberline	
Alan Snyder	Lehigh	
Joan Stanescu	Lehigh	Secretary
Nada Veskovica	Lehigh Carbon CC	
Bob Wert	Wells Fargo Advisors	
Shufang Yu	Silberline	

Minutes (action items in italics):

1. LNN growth is on target to meet commitment to PADCED of 10% increase in SM's (SM's) by June 2012 (see LNN April 2011 newsletter for complete list of new members).
 - New SM's: Greenworks, Custom Processing Services, Enterprise System Partners (ESPI), Max Levy – currently ~34 SM's.
 - New Affiliate Members: PChem, Victaulic, Illuminex, Science Smith, NJ Angels Network, Reading Electric Renewables, O-Innovation Advisors, Eastman Chemical, Microfluidics
 - Pending: Applied Separations

2. Executive Board Changes: There is a need to refill recent openings and we are seeking to increase the representation of industry on the EB, including a new Industry Chairman. Chuck Picardi, Hai Lin, Gina Kormanik, Bruce Koel, Al Philpotts, Smit Patel have departed from the EB for a variety of reasons. Also, Jim Gilchrist and Chris Kiely will be on sabbatical until January 2012. Dr. Mark Snyder (Lehigh Ch.E.) will serve in place of Jim Gilchrist for at least the next 2 meetings. Alan Snyder is replacing Bruce Koel. Currently there are 8 academic members, 4 industry, and 4 others (business resources and economic development types) on the EB. *Companies will be approached to provide EB representatives including: Greenworks, Applied Separations, Max Levy, Sartomer, Avantor, Carpenter, and Dynalene.*

3. Member fees for new SM's will be \$500 for 5 years for large companies (over 20 employees). Smaller companies will have option to pay \$100/year. *LNN info and website will be updated to show this change, effective July 1.*

4. A discussion on how Sustaining Member dues can be used to benefit SM's and expand LNN benefits revealed the following possible options: increase advertising for LNN or member capabilities, subsidize lab facilities, provide faculty consulting time, or speaker honorariums. There is currently \$9768.36 in the LNN account after expenditures of \$5541.64 (mainly for conference expenses and printing). We expect continued growth and annual dues payments from new SM's.

5. LNN internships awarded for 2011 are Greenworks and Particle Sciences. Max Levy and Applied Separations are in process of evaluating resumes for an additional two intern positions. It has been difficult to find interested PA companies in the area, even with 50% support of wages. The Dept. of Chemical Eng has undergraduates that work at Lehigh on company sponsored projects for the summer. It may be possible to allow SM's to sponsor LNN subsidized interns through this program in the future. *We will get more detail on how the Ch.E.summer project program works.*
6. LNN past events were reviewed:
 - BioEnergy Summit at Harrisburg University - March 15
 - First MatPAC Graduate Student Talent Series - April, 28. MatPAC universities like Penn State, U of P and Drexel committed to support this Series which will run quarterly.
 - 2011 PA Regional Nano Conference at Drexel - May 31
7. LNN Events Coming
 - MatPAC Graduate Student Talent Series and Life Science Focus Group Meeting – June 30
 - Nano for Business Conference – Spring 2012 in Lehigh Valley. *We are assembling a Planning Committee* (currently Gene Lucadamo, Joan Stanescu, Jim Marler, Barb Canfield) including Drexel support and will meet in fall 2012 to begin planning.
 - Ideas for other interim/smaller meetings in 2011-12
 - i. PA Regional Nanotech Workshops/Conferences around the state with other PA Universities. We could explore PA DCED support (financial or otherwise) for this idea. Drexel and PSU are willing, and *we will ask other MatPAC universities to participate* so it will be held in a different PA location each year. In the years that it would be held in the Lehigh Valley or Philadelphia, this would replace our annual major LNN/DNI conference.

- ii. Focus Groups need leadership and topics. There is an idea to *continue to plan meetings on topics that have general interest and importance*, and to allow FG's to grow out of these to eventually become industry driven.
 - iii. Facilities 101 Workshop at Lehigh or other universities, modeled after recent Cornell event. This can involve CAMN, Center for Optical Technologies (COT), Chemistry, Physics, Electrical Eng., Chemical Eng., Engineered Particles Institute (EPI). Include tours, demos, discussions.
 - iv. Introduction to Lehigh Research Centers (CAMN, COT, Energy, EPI, ATLSS, ESC) via web links or web videos.
 - v. Member company or university presentations and tours or new/special equipment demos (LEIS, TEM, SPS, etc.)
 - vi. Graduate Student Talent Series: *we will ask member community colleges and LCTI if there are topics that their students could present* that would be of interest to some of our industry members. E.g., Computer Aided Design at Northampton Community College can be one meeting topic.
8. Lehigh *Resolve* and Eastern PA Business Journal publications highlighting LNN and CAMN are in the works. Silberline, Arkema, and Carpenter participated.
9. Executive Board future meeting dates are October 5, 2011 and February 9, 2012

10. Old EB Action Items ongoing:

- J Stanescu to define ideas and interest of members in joining and leading focus groups.
- G Lucadamo will follow up with PANMCC (Pittsburgh), and Drexel Nanotech Inst. on potential for joint meetings, webcasts.
- J Stanescu will contact all members to confirm their membership status, update profiles and Focus Group assignment, describe access to website and networking tools
- J Stanescu will gather info for newsletter or website (success stories, technology development, requests for assistance or connections, new resources, business profiles...)

11. Issues for future EB discussion:

- Direction, purpose, and vision - what is missing; what do members want?
- Draft a proposal from LNN SM's (small companies) to request funding from PADCED to assist in using Lehigh facilities. Could submit letters of support from SM's. There is potential to include DNI and community colleges and their partner companies in this request. Need to check on PA interest and support under new budget and initiatives.
- Can LNN have a role in working with DCED and others to promote nanotechnology related industry and research in PA, in line with PIN strategy and new initiatives (energy, life science, etc.)
- Should we establish a Technology Commercialization Support Panel that can advise startups/small companies who are SM's?