AIChE

NORTH JERSEY SECTION

AIChE NORTH NJ WHERE TECHNOLOGY CONNECTS

STUDENTS WITH CURRENT ID ARE FREE!

DINNER MEETING: Tuesday, February 17, 2015

"Job Boards: The Road to Nowhere?"
&
Annual Scholarship Presentations

There are dozens if not hundreds of Internet-based websites that claim they will help you find a job. Companies like *Monster.com*, *CareerBuilder.com, Indeed.com*, *Simplyhired.com*, *6figurejobs.com*, etc. all claim to be able to find you the "perfect" position. But do job boards really work? Or is there a better way?

Please join us for a presentation on the importance of networking, and how this methodology can dramatically improve your chances of finding your dream job. The discussion will include tips on how to network effectively and develop your "elevator speech". Our ice-breaker will help you hone your networking skills and/or identify areas for improvement. Various networking "success stories" will also be presented for additional insight on the benefits of networking. Highlighting this event will be the presentation of scholarships to chemical engineering students from NJIT and Steven's Institute of Technology.

Parking is available in the garage beneath the Babbio Atrium. See attached map for details

Steven's Institute of Technology
Babbio Center Atrium
Castle Point on Hudson
Hoboken, NJ 07030-5991
Howe Center Desk Phone: 201-216-5000
(Campus map attached – Babbio Center is Bld # 6)

Registration and NETWORKING	6:00 to 6:30 PM
Dinner	6:30 to 7:30 PM
Presentations and Discussion	7:30 to 9:00 PM

Come Out, and Bring a Friend or Spouse!	
NETWORK WITH YOUR FELLOW CHEMICAL ENGINEERS!	
Name:	
Telephone:	Number Attending:

Admission:	Members & Guests: $25	Retired Members: $15	
Send Reservation to:	Peter Sibilski, P.E. c/o Pharmetic Manufacturing Co. 650 Jernee Mill Road Sayreville, NJ 08772	Phone: FAX: Email:	732-254-1901 Ext 140 732-254-4423 Psibilski@mail.ALZOinternational.com

Visit us at our website at: www.aichenoj.org

BUILDINGS AND FACILITIES:

1. Edwin A. Stevens Hall and DeBaun Auditorium
2. Carnegie Laboratory
3. Lieb Building
4. Burchard Building
5. McLean Hall
6. Babbio Center
7-8-9. Morton-Pierce-Kidde Complex
10. Rocco Technology Center
11. Nicholl Environmental Laboratory
12. Davidson Laboratory
13. Gatehouse (Campus Police)
14. Griffith Building
15. Walker Gymnasium
16. Schaefer Athletic and Recreation Center
17. Samuel C. Williams Library and Computer Center
18. Jacobus Student Center
19. Wesley J. Howe Center and Visitors Information Desk
27. Hoxie House
28. Alexander House
29. Colonial House
46. Kenneth J. Altorfer Academic Complex
47. 607-614 Hudson St.
49. 800 Castle Point Terrace
50. 2 Ninth St.
51. Pollara House
52. Pond House

FRATERNITIES:

30. Chi Phi - 801 Hudson St.
31. Chi Psi - 804 Castle Point Terrace
32. Sigma Nu - 806 Castle Point Terrace
33. Beta Theta Pi - 812 Castle Point Terrace
34. Theta Xi - 805 Castle Point Terrace
35. Delta Tau Delta - 809 Castle Point Terrace
36. Alpha Sigma Phi - 903 Castle Point Terrace
37. Phi Sigma Kappa - 837 Hudson St.
38. Sigma Phi Epsilon - 528-530 Hudson St.

SORORITIES:

39. Omicron Pi - 831 Castle Point Terrace
40. Delta Phi Epsilon - 808 Castle Point Terrace
41. Phi Sigma Sigma - 835 Castle Point Terrace

RESIDENCE HALLS:

20. Davis Hall
21. Hayden Hall
22. Palmer Hall
23. Humphreys Hall
24. Jonas Hall
25. Lore-El Center
26. Castle Point Apartments

RIVER TERRACE SUITES:

42. 600 River Terrace
43. 602 River Terrace
44. Gibb House - 604 River Terrace
45. 606 River Terrace

Happy Hour

AIChE® American Institute of Chemical Engineers

Want to meet other Chemical Engineers?
Come & network with Young Professionals in your area at the 2nd North NJ AIChE YP Happy Hour of the Year!

Meet members of the Executive Board of the North Jersey Section!
See what the other chemical engineers have to say!

Thursday, February 26, 6:00-8:00 PM
Grasshopper off the Green, Morristown, NJ

Join the party! Have some drinks!
Appetizers provided by AIChE North Jersey LS

Grasshopper Irish Pub Restaurant off the Green

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Parking available on Parking Deck

Handicap parking available in Lot 7

JOINT DINNER MEETING WITH ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS

Tuesday, March 24, 2015

"Grid-Scale Electricity Storage and Dispatch Carbon Capture with Power Generation"

Scheduled Speakers:

Bernard Ennis, P.E., & Jacinta Schultz

The speakers will describe the requirements and techno-economic issues at play in meeting the challenges presented as increasing amounts of renewable electricity are dispatched into the power grid. Grid stability has emerged as a global issue as the percentage of renewables to the grid from all sources has increased. Wind and solar power systems are being deployed aggressively due to improving economics and public policy. These power sources are intermittent generators and rapid compensating capacity adjustments must be made in real time from other power generators. The speakers will present the European and U.S. experiences, assess the future risk, review current electricity storage technologies and propose a novel solution.

Bernard Ennis, P.E. has consulted on insurance, legal, technical and management matters in oil& gas, refining, petrochemical, chlor-alkali, and power generation. He has authored patents on oxy-combustion, electric chemical reactors and power generation systems. Jacinta Schultz has supervisory experience providing process, technical and project management advisory services to industry, governments and investment houses. She is an expert in fertilizers, syngas processing and power generation. Additional experience includes project construction and plant operations problem solving, as well as advising on $500MM+ projects in Africa, Asia-pacific, Indian Sub-continent and the Middle East.

NJ Institute of Technology – Campus Center
University Heights
Newark NJ 07059
Phone: 973-256-9634
(Directions are attached)

Registration and NETWORKING	6:00 to 6:30 PM
Dinner	6:30 to 7:30 PM
Presentations and Discussion	7:30 to 9:00 PM

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Telephone:	Number Attending:

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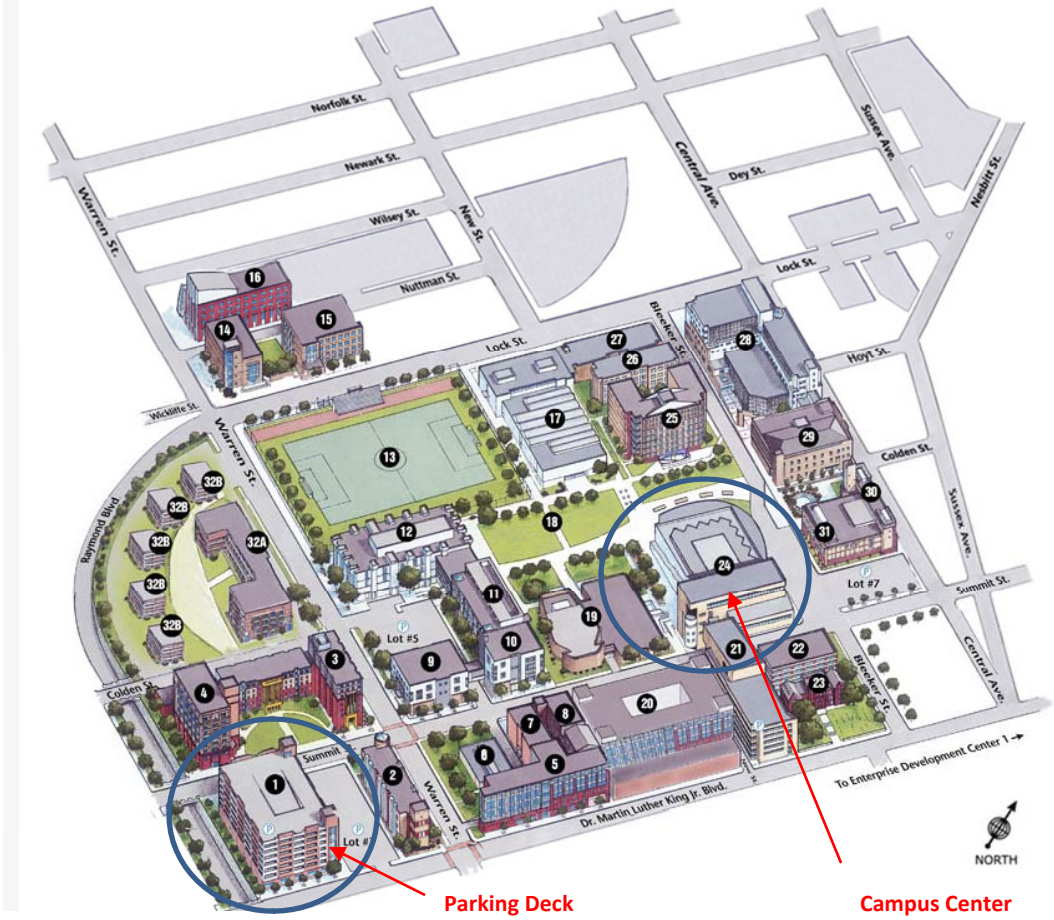
Send Reservation to:	Peter Sibilski, P.E. c/o Pharmetic Manufacturing Co. 650 Jernee Mill Road Sayreville, NJ 08772	Phone: FAX: Email:	732-254-1901 Ext 140 732-254-4423 Psibilski@mail.ALZOinternational.com

Visit us at our website at: http://www.aiche.org/community/sites/local-sections/north-jersey

NJIT Campus Map



1. Student Mall / Parking Deck
2. York Center for Environmental Engineering & Science
3. Laurel Residence Hall
4. Oak Residence Hall
5. College of Architecture & Design
6. Specht Building
7. Colton Hall
8. Campbell Hall / Student Services
9. ECE Building
10. Microelectronics Center
11. Faculty Memorial Hall
12. Tiernan Hall
13. Lubetkin Field at J. Malcolm Simon Stadium
14. CHEN Building
15. EDC 2
16. EDC 3
17. Estelle & Zoom Fleisher Athletic Center
18. The Green
19. Kupfrian Hall
20. Central King Building
21. Fenster Hall / Admissions
22. Cullimore Hall
23. Eberhardt Hall / Alumni Center
24. Campus Center
25. Cypress Residence Hall
26. Redwood Residence Hall
27. Naimoli Family Athletic & Recreational Facility
28. Guttenberg Information Technologies Center
29. Mechanical Engineering Center
30. Central Ave Building
31. Van Houten Library
32. Warren Street Village
    - A. Albert Dorman Honors College Building
    - B. Greek Houses

Driving Directions:

Garden State Parkway (GSP): Take exit 145 to Route 280 East, then follow Route 280 East directions.
New Jersey Turnpike: Take exit 15W to Route 280 West, then follow Route 280 West directions.

Route 280 West: After drawbridge, take Exit 14B (Broad Street/MLK Blvd.). At bottom of exit ramp, make a left. Go one block to stop sign. Make a left on MLK Blvd. Go five lights to Warren Street. Make a right on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.
Route 280 East: Take Exit 13 (First Street/Newark). At light, make a right on First Street. Go three lights to W. Market Street. Make the soft left on W. Market Street. Go four lights to MLK Blvd. Make a left on MLK Blvd. Go one light to Warren Street. Make a left on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

Route 1 & 9 North & South: Take exit marked Newark, Route 21 (McCarter Highway). Get in the right lane on the bridge and take the Broad St. exit. Go about 1 mile. Make a left on Court Street. Make a right at third light on MLK Blvd. Make a left at fifth light on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

Route 78: Take Route 78 to the Garden State Parkway. Follow GSP directions.
Route 22: Take Route 22 to Route 21 North. Follow directions for Route 21 North.

Route 21 North: Get in the right lane on the bridge and take the Broad St. exit. Go about 1 mile. Make a left on Court Street. Make a right at third light on MLK Blvd. Make a left at fifth light on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to the NJIT Parking Deck.
Route 21 South: From 21 South, turn right on Bridge Street shortly after passing beneath Route 280 overpass. Turn left on Broad Street. Go one block and turn right on Washington Place. Go one block and turn left on Halsey Street. Go one block and turn right on Central Avenue. Make the third left on MLK Blvd. At first light, turn right on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

SENIOR PROCESS ENGINEER

OVERALL RESPONSIBILITIES:

Designs, modifies, and maintains chemical processes; calculates and organizes all data for complex process flow sheets including instrumentation and control plans sequence of operation. Prepares specifications and operating instructions for processing equipment. Conducts tests and measurements throughout stages of production to determine control over such variables as temperature, density, pressure and viscosity. Services, troubleshoots, and solves engineering problems with processes or equipment already in operation.

REPORTS TO:

Director, Process Engineering

WORKS CLOSELY WITH:

Plant Managers, Quality Control and Quality Assurance, Product Registration, Purchasing, Plant Controller

OFFICE LOCATION:

Florham Park, NJ

PERFORMANCE MEASURES:

1. Completes projects on time and on budget
2. Scales up processes in a safe manner, adheres to environmental regulations
3. Meets or exceed project goals with respect to sustainable plant process performance improvement
4. Demonstrates team leadership ability by assembling and motivating cross functional teams in order to achieve
5. Transfers technical data from development stage to commercial stage

SUPPORTED BY:

Operations, S & T, IT, Finance, and Marketing and Sales.

SPECIFIC DUTIES:

1. Oversees pilot plant production ensuring proper operation and productions goals are met on a timely basis. Designs and installs pilot plant equipment to meet production needs.
2. Scales up new products form laboratory methods to pilot plant production. Designs process specifications from laboratory through to initial manufacturing start-up and may design and install pilot plant equipment, and operate pilot plant facility.

3. Monitors and develops processes at Toller locations ensuring adherence to Company standards.

4. Develops material and energy balance. Performs chemical synthesis, purification, and optimization studies in order to maximize production yields.

5. Manages process to transfer process technology from pilot plant to full scale production.

6. Evaluates and analyzes technology transfers so that process development and enhancements can be accomplished.

7. Analyzes and trouble-shoots chemical manufacturing processes on a regular basis in order to reduce operating costs by improving existing process.

8. Prepares capital authorization requests to be used for equipment purchase designed to improve processes used for manufacturing Company products.

9. Contributes to analysis of hazard operations to ensure compliance with federal, state and local regulations.

10. Writes manufacturing batch instructions, including process manual, data collection sheets, and continuous flow documentation so that trends and other pertinent information can be analyzed and evaluated.

11. Performs all other duties and special projects as assigned.

EDUCATION AND EXPERIENCE:

Bachelor's Degree in Chemical Engineering or equivalent experience is required. Minimum ten years process engineering experience in chemical manufacturing/pilot plant environment. Microsoft Office skills required. Experience with MS Project Management is a plus. Strong communication skills and the ability to partner effectively with various internal stakeholders is required. Ability to travel 10 – 20% is required.

SPECIAL REQUIREMENTS:

Must be able to wear and use respirator.

ADA ESSENTIAL ELEMENTS:

Must be able to climb a 50 foot ladder/stairs
Lifting up to 25 lbs.
Must be able to wear a respirator and face mask

SUPERVISION GIVEN AND RECEIVED:

Works under general supervision and refers complex problems to management for resolution. Provides technical guidance to lower level Process Engineers. May supervise one to three hourly employees base on the project.