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**STUDENTS WITH CURRENT ID ARE FREE!**

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

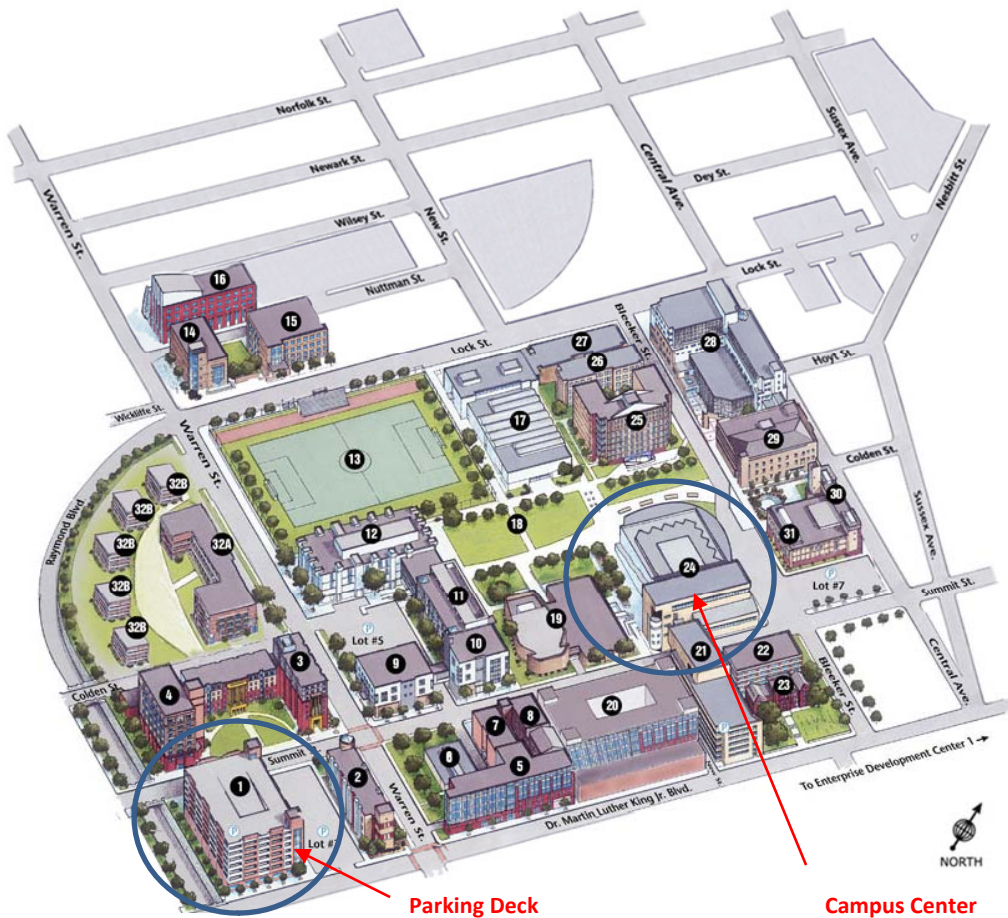
Phone: 973-256-9634

(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

<b>Come Out, and Bring a Friend or Spouse!</b>		
<b>NETWORK WITH YOUR FELLOW CHEMICAL ENGINEERS!</b>		
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: 732-254-1901 Ext 140 FAX: 732-254-4423 Email: <a href="mailto:Psibilski@mail.ALZOinternational.com">Psibilski@mail.ALZOinternational.com</a>

# 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. Tieman 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

**Parking Deck**

**Campus Center**

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 the 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.