

## Branch Officers and Directors for 2007/2008

### President

Thomas Ott, P.E.  
Systra Consulting  
(973) 873-9700  
[tott@systrausa.com](mailto:tott@systrausa.com)

### President Elect

Teresa Peterson, P.E., C.M.E.  
Gannett Fleming, Inc.  
(908) 755-0040  
[tpeterson@gfnet.com](mailto:tpeterson@gfnet.com)

### Vice President

Stephan Butler  
[Stephan.butler@mac.com](mailto:Stephan.butler@mac.com)

### Secretary

Katy Ubinger, P.E.  
CSR Construction Corp.  
(973) 667-1600 x 112  
[kubinger@csrgroup.com](mailto:kubinger@csrgroup.com)

### Treasurer

Scott Lubarsky, P.E.  
HNTB Corporation  
(973) 237-1650  
[slubarsky@hntb.com](mailto:slubarsky@hntb.com)

### First Past President

Ken Clausen, P.E.  
KS Engineers, P.C.  
(973) 623-2999  
[kclausen@kseng.com](mailto:kclausen@kseng.com)

### Second Past President

Lamis Malak, P.E.  
NJ Turnpike Authority  
(732) 750-5300 x 8247  
[Malak@turnpike.state.nj.us](mailto:Malak@turnpike.state.nj.us)

### Director

Gareth Middleton, P.E.  
Tishman Construction Corp.  
(973) 643-4007  
[gmiddleton@tishman.com](mailto:gmiddleton@tishman.com)

### Director

Mike Murno, P.E.  
Edwards & Kelcey, Inc.  
(212) 944-2000  
[mmurno@ekmail.com](mailto:mmurno@ekmail.com)

### YMG President

Chrissa Roessner, P.E.  
The Louis Berger Group, Inc.  
(973) 765-1946  
[croessner@louisberger.com](mailto:croessner@louisberger.com)



## JOINT ASCE / ASHE TECHNICAL DINNER:

### The TUNNEL Project

Presented by:

*Rich Gramlich, PE – Senior Director, Design and Construction for NJ Transit*

Date: January 8, 2008  
Time: Reception at 5:30, Dinner at 6:30 with Presentation to follow  
Location: The Quays, 310 Sinatra Drive, Hoboken, NJ  
201-656-2521  
Cost: \$50 for ASCE or ASHE members, Non-members \$55,  
and Students \$30

*This seminar is under review for 1 PDH credit.*

Meeting the region's mobility needs is critical to meet growing demand, achieve projected economic growth, and maintain Midtown Manhattan as a center of regional, national and global importance. Limited rail capacity underneath the Hudson River and at New York Penn Station has been recognized as a significant barrier to sustaining future economic growth for the New York-New Jersey metropolitan region. This has ultimately led to the development of providing a new, two-track rail tunnel and an expanded New York Penn Station under 34th Street aimed at increasing trans-Hudson rail capacity.

The presentation for this joint ASHE-ASCE meeting will be given by Mr. Rich Gramlich of NJ Transit, Senior Project Director of The TUNNEL project. It will discuss the various engineering components involved, as well as insight on some of the design, construction and scheduling challenges of this high profile project. More information about this project can be found at: <http://www.accesstotheregionscore.com/>

## UP COMING EVENTS

- January 8 - ASCE/ASHE Technical Dinner at The Quays, Hoboken, NJ
- January 9 - Foundation Construction Lecture at Langan
- January 16 - NJ Devils Game Night - Joint NNJ/Met Section
- January 26 - Future Cities Competition at Rutgers
- February 5 - Presentation on Passaic River Basin at NJIT
- February 17-23 - Engineers Week at Liberty Science Center
- February 26 - Geotechnical Dinner Seminar at Newark Club

## PRESIDENT'S ADDRESS

### Happy New Year!

I hope that the Holiday's treated you and your family well. We start January off in our usual fashion, with a BANG! First up is our annual joint ASCE/ASHE dinner meeting hosted by ASHE at The Quay's in Hoboken. Our guest speaker for the evening will be Mr. Richard Gramlich, PE of THE Tunnel project. If you haven't caught Richard's presentation before, I suggest you do so on January 8th! I'm sure he'll give us updates on THE Tunnel as the preliminary engineering for this massive and important project draws to a close!

Now, onto some important and time sensitive news! Last year the NJ State Licensing Board of Engineers and Land Surveyors proposed a rule change regarding engineering measurements. Some key items that the Board is proposing to change is the mandatory requirement that all Professional Land Surveyors sign and seal topography mapping. This change also seeks to eliminate the ability of a Professional Engineer to update features and structures on a topo map with a simple note such as

"approximate location." These are but two items of many that the Board wishes to change and once effective, will have impacts on all of us and the way we do business.

Understanding that this is a sensitive issue, the NJ Board opened a comment period late last year and is scheduled to end on January 18th. The ASCE NJ Section, under President Roda, has asked all Branches leaders to spread the word to our members and solicit your comments. The NJ Section wants to compile a list of comments and questions by January 11th and present them at the next NJ Board meeting on January 18th. I urge all of our members to review the proposed rule change on our Branch website at <http://branches.asce.org/northjersey> and send any comments you to Andres Roda, President of the NJ Section directly; his email is [Andres.Roda@FPAengineers.com](mailto:Andres.Roda@FPAengineers.com).

My next bit of news is the most welcome announcement. I'm honored to announce that we WON! ASCE National has selected our humble NJ Section and the North Branch as the winner for the 2007

Outstanding Section and Large Branch award! I wanted to extend my thanks to all our Members and Section & Branch Leaders for their continued pursuit of excellence and making this Branch shine.



Sincerely,

Thomas N. Ott,  
PE, MBA  
(973) 456-5051



### VOLUNTEER OPPORTUNITY: EWeek, February 17-23, 2008

*We've got an exciting program planned for our return to Liberty Science Center. But we need volunteers to bring it to life. As usual, we will be volunteering on two consecutive weekends. All volunteers receive free admission to LSC when they sign up. They also receive official EWeek T-shirts to show off their pride in the profession year round. Shifts are available on a first-come, first-serve basis.*

*For more information about anything related to Engineer's Week, please contact Chris Coke at [CHRIS.COKE@RCCDESIGN.COM](mailto:CHRIS.COKE@RCCDESIGN.COM) or Teresa Peterson at [tpeterson@gfnet.com](mailto:tpeterson@gfnet.com).*

### THE NEW JERSEY FUTURE CITIES COMPETITION

January 26, 2008

*The New Jersey Future Cities Competition is scheduled for Jan 26, 2008 at Rutgers University. Over 60 teams from over 20 schools throughout the state are set to compete. We need volunteers to assist with the competition and direct the teams, as well as judges to rate the projects. All volunteers will receive guidance and training on how to perform their duties. These kids have worked hard all fall preparing their projects – we can't disappoint them now. If you can spare some time to help out, please contact Sarah Weissman, [scweiss@rci.rutgers.edu](mailto:scweiss@rci.rutgers.edu) or Jim Connolly, [james.connolly@roche.com](mailto:james.connolly@roche.com).*

## YOUNGER MEMBER GROUP CLIMBS AGAIN!

The Younger Member Group, family and friends hiked to one of the highest points in New Jersey, elevation 1,527 feet, on Saturday, November 3rd. Participation was fantastic for a cool late fall hike. The group met at the Kittatinny Point rest stop in Worthington State Forest at the Delaware Water Gap just before leaving NJ to hike Mount Tammany, named after the Lenni-Lenape chief, Tamemund. We started up the red-dot trail, which begins climbing almost immediately, a foreshadowing of things to come. The trail turned to the north, and it begins, a steady climb on a well-used, rocky path lined with evergreen hemlocks and rhododendrons. The waterfalls of Dunnfield Creek are just a distant sound now. Climbing continued up the Kittatinny Ridge over the rocky terrain where most were using both feet and hands to safely navigate the trail through the hemlock forest.

Finally the trail levels out and we approach the summit.

Once at the summit, relaxing on the exposed rocks by the scrub oaks and pitch pines, we had an incredibly expansive view to the west to Mount Minsi and the Blue Mountain Ridge behind it. The Pocono Plateau of Pennsylvania stretches out to the horizon in the north and the plains of the Great Valley and, behind it, the Reading Prong section of the Highlands extend to the horizon in the south. If one walked down the exposed rocks of the summit, the Indian Head profile, located on a portion of the cliff below and to the north of the viewpoint, may be seen staring out over the river. After a group photo and lunch, we continued down the mountain on the blue dot trail over more rocky terrain, which was easier than coming up. As we lowered in elevation, the sounds of Dunnfield Creek grew stronger until we approached a hemlock gorge

where numerous cascades and plunge pools provided photo opportunities with the white water creating sharp contrast to the dark rock it glides over. We followed the Creek to the parking lot where our hike came to an end. The elevation change was 1,200 feet and the total hike was 4 miles from start to finish.



## PUBLIC PRIVATE PARTNERSHIPS IN AMERICA – THEN, NOW, AND DOWN THE ROAD

Public Private Partnerships (PPPs) are very much in the news these days nationwide. And, with respect to the future of the NJ Turnpike, Public Private Partnerships have become a very emotional topic here in New Jersey. This presentation will help attendees separate fact from opinion and to understand the reality from the hype. It will provide clarity to the ongoing discussions, regardless of which "side of the road" you find yourself to be on.

This discussion will cover a variety of topics including the surprisingly long history of Public Private Partnerships in the United States with references to historical projects, the relatively recent resurgence of Public Private Partnerships, the changes in state and federal laws with respect to Public

Private Partnerships as a project deliverable method (PDM), case studies, the pros and cons of Public Private Partnerships and the recommendations for going forward.

So mark your calendars and come join us for this special presentation.

Presented by: William Hart, P.E.,  
Nielsen-Wurster Group  
Where: Chimney Rock Inn,  
Bridgewater  
When: January 15, 2008  
Time: Refreshments at  
5:30pm followed  
by dinner and the  
presentation.

Reservations: Jean Hansen,  
jeanhans1@aol.com

### Attention All Life Members

*NJ Section is creating a committee to address the needs and concerns of Life Members. Life Member status in an honor awarded to members that have made a lifetime commitment to ASCE and the civil engineering profession by remaining members for the full length of the professional career. Within North Branch, we celebrate new Life Members each year at our Annual Awards Dinner in May.*

*ASCE recognizes that Life Members are a vital component to the profession and the Society. The collective intelligence, experience, and energy of these members is a valuable resource for all of us. To that extent, this new group will focus on addressing the challenges facing Life Members and help them derive the most benefit from the Society, as well as assisting younger members in learning from, and interacting with, this group.*

*If you would like more information, or to join, please contact Bill Rutherford at BRutherford@hntb.com.*

## THE PASSAIC RIVER – 81 MILES OF HISTORY



Phil Jaeger follows the river thru seven counties from its source in Mendham to its end at Newark Bay with an

emphasis on historic activities and structures along the river in past centuries. The focus is on topics such as: early mills, Glacial Lake Passaic, the first successful test of a submarine, extant Native American art and constructions, the country's first industrial city and the heroic exploits of the "great descender" Sam Patch.

Presented by: Phil Jaeger

Where: University Club, NJIT (located off the main lobby of the newly restored Eberhardt Hall NJIT Alumni Center)

When: February 5, 2008

Time: Registration begins at 5:30pm followed by dinner at 6:15pm and the presentation.

Cost: \$30 for members and guests, \$15 for students

Reservations: Gareth Middleton, gmiddleton@tishman.com

### Interesting Facts About Dams

- The highest dam in NJ is the Merrill Creek Main Dam at 280ft.
- The Rogun Dam across the Vakhsh River in Tajikistan will be the tallest dam in the world at 1,099 ft. It is currently under construction.
- By comparison, the Oroville Dam in California is the tallest in the US at 754 ft.
- Dams are protected under International Humanitarian Law and can not be attacked during armed conflict since it would cause significant civilian casualties.
- A total of 310 high hazard and significant hazard dams in NJ need funding to the tune of \$300 million dollars.
- The proposed federal contribution from H.R. 1098 to NJ is estimated at \$4.4 million.

## AMADO BALTAZAR, JR., NEW CHAIRPERSON FOR OUTREACH PROGRAM

ASCE North Branch is pleased to announce Amado Baltazar, Jr. as the new chairperson for the Kindergarten to grade 12 Outreach program. Amado received his Bachelors of Engineering in Civil Engineering from Stevens Institute of Technology and his Masters of Engineering in Transportation Engineering from the City University of New York (CUNY). He has been a licensed engineer in New York and District of Columbia since 1997 and in New Jersey since 2003. Amado has been working at DMJM Harris since October of 2006 and has previously worked at Earth Tech, The RBA Group, New York City Department of Design and Construction, and New York City Department of Transportation. With more than 15 years of civil engineering design experience in highway, roadway, traffic, drainage, utility engineering, and pavement rehabilitation projects, Amado is a good fit for his new role as K-12 chairperson. As Project Manager and Deputy Project Manager for major transportation projects, he has a unique expertise in highway/geometric

alignment design, traffic studies/signal design, pavement design, drainage design, environmental permitting and sanitary and water main design. Amado has guided many projects through complex approvals, including the recent design completion of NJDOT's Route I-295 10-mile long pavement rehabilitation project in Gloucester County, NJ. In his leisure time, Amado enjoys playing the guitar for his church music ministry. He not only is the treasurer of his church, but leads the music worship for the church's Vacation Bible Study for kids. He is also an accomplished



ballroom and latin dancer and a big supported of our NJ Nets. Amado's background and experiences are great assets for him to lead North Jersey's engineers in the quest of getting today's youth excited about engineering. Any engineers interested in getting involved can email Amado at amado.baltazar@dmjmharris.com to learn more.

### HIGHWAY/ROADWAY ENGINEERS NEEDED

Robson Forensic is a multi-discipline forensic engineering firm practicing throughout northeastern and central US. We seek mature professionals, experienced in the design, construction and maintenance of roadways. You would be part of a comprehensive team that investigates roadway collisions. The team includes vehicle engineers and operators, crash reconstructionists, human factors engineers, biomechanical engineers and highway engineers. You must be degreed and registered, with excellent analytical and communication skills. Please e-mail your resume and a cover letter describing you and your previous experience to Nancy Chillias, jobs@robsonforensic.com. Ref: ASCE JN-2008.

## JOINT NJ / NY LECTURE ABOUT THE "ROCK"

Presented by: Chris Woods, P.E.,  
Langan Engineering  
and Environmental  
Services

Where: Langan  
River Drive Center 1  
Elmwood Park

When: January 9, 2008

Time: Refreshments: 5:30pm.  
Lecture begins at  
6:00pm

Cost: Free!

Reservations: John Grillo,  
jgrillo@langan.com or  
212.479.5445

The Prudential Center site has a varied history ranging from its use as a cemetery in the late 1700s to its more recent usage for commercial and industrial purpose in the latter half of the 20th century. In between, a substantial portion of the site was used as a rail yard and train station.

Each of these previous site usages significantly contributed to the present-day challenges that needed to be addressed before construction of the Prudential Center could get underway. The impact of historic buildings on the site, the archaeological excavation in the former cemetery area, and extensive demolition to remove train bridge foundations were among the tasks which had to be competed to prepare the site for construction.

Throughout the design phase, Langan worked closely with the design team to evaluate potential foundation systems for the arena. Potential options considered ranged from deep foundation support using driven piles, to shallow foundation on improved soils, and even combinations of the two. The presentation will focus primarily on the geotechnical-related aspects of the design and construction.

### DEVILS vs NY ISLANDERS HOCKEY GAME

Date: Wednesday, Jan 16, 2008

Time: Puck drops at 7:00pm

Location: The Prudential Center (aka "The Rock")  
165 Mulberry Street, Newark  
(Accessible via NJ Transit and PATH)

Admission: \$50 for ASCE Members and Non-members.  
Friends and family welcome!

RSVP: John Grillo at jgrillo@langan.com or 212.479.5445

## HAVE YOU DONE SOMETHING EXCEPTIONAL LATELY?

Have you ever considered submitting for an ASCE Award?

### Walter LeFevre Award: Due Jan 15

Presented annually to members aged 35 or less who have attained significant professional achievement through service to the advancement of the profession, evidence of technical competence, high character and integrity, leadership, service to the public outside of their professional career, and other evidence of merit.

### Collingwood Prize: Due Feb 1

Prize awarded annually to a member aged 35 or less who publish papers describing engineering works with which they have had direct connections, or

recording investigations contributing to the knowledge base in which the authors have directly contributed and containing a rational digest of results.

### Hoover Medal: Due Feb 15

Instituted to commemorate the civic and humanitarian achievements of Herbert Hoover, Hon. M.ASCE. This medal is presented to an engineer who demonstrates distinguished public service. Membership in the Society is not required.

### Edmund Friedman Professional Recognition Award: Due March 1

Awarded annually to a member who is judged to have contributed substantially to the status of the pro-

fession by exemplary professional conduct in a specific outstanding instance, has an established reputation for professional service, has objective and lasting achievement in improving the conditions under which engineers serve, professional guidance of qualified young persons who seek to pursue engineering as a career, and other evidence of merit.

Learn about these awards and many more by visiting: [www.asce.org/press-room/honors/](http://www.asce.org/press-room/honors/)

**Look for the North Branch  
Awards Nominations  
coming later this Spring!!**

# NORTH JERSEY BRANCH TECHNICAL GROUPS

Join one of these groups and get involved with others in your field of interest. For more information, contact Ken Clausen, P.E. at [kclausen@kseng.com](mailto:kclausen@kseng.com) or any of the individuals listed below:

**STRUCTURAL GROUP**  
Satisn Patel – 732-452-9200  
[satish.patel@jacobs.com](mailto:satish.patel@jacobs.com)

**TRANSPORTATION GROUP**  
Mittul Patel - 908-598-2600  
[mpatel@bemsys.com](mailto:mpatel@bemsys.com)

**WATER & ENVIRONMENTAL GROUP**  
\*Ramesh Rajagopal 908-755-0040  
[rjagopal@gfnet.com](mailto:rjagopal@gfnet.com)  
*(\*Acting chair for the two open positions)*

**PROFESSIONAL ISSUES GROUP**  
Ron Gumann –  
[rgumann@panynj.gov](mailto:rgumann@panynj.gov)

**CONSTRUCTION GROUP— Co-Chairs:**  
Katy Ubinger - 973-667-1600 Ext.112  
[kubinger@crsrgroup.com](mailto:kubinger@crsrgroup.com)  
Stephen Denes - 201-307-2548  
[sdenes@hertz.com](mailto:sdenes@hertz.com)

**GEOTECHNICAL GROUP— Co-Chairs:**  
Golam Kabir – 973-605-5200  
[gkabir@converseconsultants.com](mailto:gkabir@converseconsultants.com)  
David Lim – 212-608-6600  
[dlim@hudsonmeridian.com](mailto:dlim@hudsonmeridian.com)

**HAYWARD BAKER**  
Geotechnical Construction

Greg Simmons, P.E.  
Business Development  
Northern Regional Office  
800-888-4292

New York Metropolitan Area  
201-489-1700

For a complete listing of office visit  
[HaywardBaker.com](http://HaywardBaker.com)

- FOUNDATION SUPPORT
- SETTLEMENT CONTROL
- UNDERPINNING
- GROUNDWATER CONTAINMENT
- EXCAVATION STABILIZATION

**COMPLETE GROUND MODIFICATION SOLUTIONS AND SERVICES**

**SPECIALTY FOUNDATION CONTRACTOR**

**Gannett Fleming**  
A Tradition of Excellence  
[www.gannettfleming.com](http://www.gannettfleming.com)

**E N G I N E E R I N G  
I N N O V A T I O N**

Serving the Garden State

South Plainfield, NJ (908) 755-0040 | Hamilton, NJ (609) 279-9140 | Mount Laurel, NJ (856) 802-9930

Civil • Transportation • Geotechnical • Water • Environmental  
Infrastructure • Industrial/Commercial • Structural  
GIS/ITS • Mechanical/Electrical • Construction Management

**20 years. 150 experts.  
30,000 cases.**

**Robson Forensic**  
Engineers, Architects, Scientists & Fire Investigators

800.813.6736 [www.robsonforensic.com](http://www.robsonforensic.com)

**SYSTRA**  
USA

Integrated, Intelligent  
Transportation Solutions

- Transportation Planning
- Operations Analysis
- Commissioning & Systems Integration
- Railroad Infrastructure
- Busways and Alignments
- Rail & Bus Facilities
- Railway Control & Security System

SYSTRA Consulting  
150 Clove Road, 7th Floor  
Little Falls, NJ 07424  
[www.systraconsulting.com](http://www.systraconsulting.com)

(P) 973.873.9700 973.873.9701 (F)

**KSE**

Engineers  
Surveyors  
Construction Managers

- Building Structural Design & Inspection
- Construction Management & Inspection
- Geotechnical Engineering
- Site / Civil Engineering
- Traffic Engineering
- Bridge Inspection
- Bridge Design
- Highway Design
- Railroad Engineering
- Surveying Services

**KS Engineers, P.C.**  
Corporate Headquarters  
24 Commerce St. • Newark, NJ 07102  
T: 973.623.2999 • F: 973.242.2955  
[info@kseng.com](mailto:info@kseng.com)  
[www.kseng.com](http://www.kseng.com)

New Jersey  
New York  
Pennsylvania

**J. FLETCHER CREAMER & SON, INC.**  
CONTRACTORS

(800) 835-9801 [www.jfcon.com](http://www.jfcon.com)

Site Development  
Utility Construction  
Heavy Highway  
Emergency Repairs

101 East Broadway, Hackensack, NJ 07601

**HNTB Corporation**  
The HNTB Companies  
Engineers Architects Planners

Wayne Plaza I, Suite 400  
145 Route 46 West  
Wayne, New Jersey 07470-6830  
Tel: 973-237-6550  
Fax: 973-237-9185

44 Euclid Street  
Woodbury, NJ 08096  
Tel: 856-853-8522  
Fax: 856-853-8552  
[www.hntb.com](http://www.hntb.com)

**HNTB**

Service Areas

- Aviation • Bridge and Tunnels
- Construction and Program Management
- Environmental • Highways / Roadways
- Rail / Transit • Urban Design and Planning

EUGENIA K. ROMAN, P.E.  
Project Manager - Northeast Region  
[eroman@olsoonengineering.com](mailto:eroman@olsoonengineering.com)  
PHONE: 201-783-4516

Condition Assessment of Civil Structures and Infrastructure

**OLSON ENGINEERING, INC.**

P.O. Box 432, Basking Ridge, NJ 07875

[www.olsoonengineering.com](http://www.olsoonengineering.com) | [www.olsoonestructure.com](http://www.olsoonestructure.com)

Civil  
Transportation  
Traffic  
Structural  
Geotechnical  
Municipal Engineering  
Telecommunications  
Environmental  
Water Resources  
Building Structures  
Construction Inspection

**Dewberry**  
Bloomfield, NJ  
Parsippany, NJ  
Mount Laurel, NJ

[www.dewberry.com](http://www.dewberry.com)

**PB**  
100 YEARS

**PARSONS BRINCKERHOFF**

Engineering • Program Management  
Planning • Construction Management

506 Carnegie Center  
2nd Floor  
Princeton, NJ 08540  
609-734-7000  
Richard T. Fisher

Two Gateway Center  
18th Floor  
Newark, NJ 07102  
973-353-9100  
Gregory J. Soriano

For career opportunities in transportation planning, design and construction phase services, please visit [www.pb-world.com](http://www.pb-world.com)

Solutions for a Better World

One of the largest multidisciplinary consulting organizations in the world offering professional services in all aspects of engineering, planning, environmental, program and construction management.

**THE Louis Berger Group, INC.**  
[www.louisberger.com](http://www.louisberger.com)

412 Mount Kemble Avenue, Morristown, NJ 07960  
199 Water Street, 23rd Floor, New York, NY 10038  
And offices in major cities around the globe...

For career opportunities, please visit our website or email [info@louisberger.com](mailto:info@louisberger.com)

**J.E. JACOBS**  
Edwards and Kelley

**A new force in the marketplace with a shared commitment to our clients' needs**

- ✓ Design in-house resources to handle larger, more complex projects
- ✓ Broader geographic coverage with active design, engineering, and PM/CM presence in 37 states and Puerto Rico
- ✓ Complementary strengths of both organizations ensuring seamless project delivery
- ✓ Continued commitment to deliver measurable value to our clients

Offices nationwide  
280 Madison Avenue  
Morristown, New Jersey 07962 U.S.A.  
1-973-267-0555  
Fax 1-973-267-3555  
[www.jacobs.com](http://www.jacobs.com)