

BRANCH OFFICERS AND DIRECTORS FOR 2010-2011**President**

M. Golam Kabir, Ph.D., P.E.
Converse Consultants
(973) 428-0934 Ext. 137
gkabir@converseconsultants.com

President Elect

Kerri Tyerman, P.E.
Dewberry
(973) 338-9100 Ext. 3320
Ktyerman@dewberry.com

Vice President

Greg Landry, P.E.
Moretrench American Corp.
(973) 627-2100 Ext. 223
glandry@mtac.com

Secretary

Monir Sarker, P.E.
Hatch Mott MacDonald
(973) 912-7531
monir.sarker@hatchmott.com

Treasurer

Scott Lubarsky, P.E.
HNTB Corporation
(973) 435-3786
slubarsky@hntb.com

Branch Director

Lamis Malak, P.E.
NJ Turnpike Authority
(732) 750-5300 Ext. 8247
malak@turnpike.state.nj.us

Branch Director

Luis F. Barragan
Michael Baker Jr., Inc.
(973) 776-8611
lbarragan@mbakercorp.com

First Past President

Kevin Doyle, P.E.
Stantec Consulting Services Inc.
(201) 587-9040 Ext. 8026
kevin.doyle@stantec.com

Second Past President

Teresa Peterson, P.E.
Ganett Fleming
(908) 755-0040
tpeterson@gfnet.com

YMG President

Alicia M. Mahon
Stevens Institute of Technology
(201) 216-5300
amahon@stevens.edu

ASCE-GSD

Nancy Berson
1801 Alexander Bell Dr.
Reston, VA 20191
703-295-6010
nberson@asce.org

ASCE National

1-800-548-ASCE
www.asce.org



NORTH JERSEY BRANCH

THE NORTH JERSEY BRANCH OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS
REQUESTS THE PLEASURE OF YOUR COMPANY AT OUR

2010 Annual Branch Awards Dinner

TO BE HELD ON
THURSDAY, SEPTEMBER 23RD, 2010

CIVIL ENGINEER OF THE YEAR
Peter Kristiansen, P.E. - HNTB

GOVERNMENT ENGINEER OF THE YEAR
Frank Scarantino, P.E. - Ocean County Engineer

YOUNG ENGINEER OF THE YEAR
Maidie Erickson, P.E. - Jenny Engineering

EDUCATOR OF THE YEAR
Jon K. Miller, Ph.D - Stevens Institute of Technology

STUDENT SCHOLARSHIPS AND MERIT AWARDS
INDUCTION OF ASCE LIFE MEMBERS

- Where:** La Quinta Inn & Suites
38 Two Bridges Road, Fairfield, NJ 07004
(973)575-1742
- Time:** Social Hour begins at 5:30
Order Of The Engineer Ceremony
Hosted By The Young Members Group - Precedes Dinner
Dinner begins at 6:30 with Awards Ceremony
- Cost:** \$70 – Members, \$65 – Government Employees
\$75 – Nonmembers, \$55 – Students, Tables of Ten – \$600
Please register at our new website-
<http://www.ascenorthjerseybranch.org>
RSVP by September 17, 2010
- Register:** Registration will begin on August 30, 2010

PRESIDENT'S ADDRESS



Greetings North Jersey Branch Members and welcome to the start of our exciting 2010-2011 season! While you were enjoying the summer, we worked hard to revamp our website for your benefit and developed a calendar of technical events for your participation.

My name is Golam Kabir and I have the distinct honor of serving as your president this year. I have had the good luck to serve with a very experienced and dedicated president and board last year, many of whom have chosen to continue with me this year to help guide our Branch to another successful season. To each of them I extend my sincere thanks. In addition to our "seasoned crew" I would like to introduce our newest members of the board: Monir Sarker (Secretary) and Luis Barragan (Branch Director). Please make sure to thank them for their service when you see them at our meetings.

My first responsibility would be to co-ordinate our Annual Awards Dinner which is scheduled for Thursday, September 23, 2010 at LaQuinta Inn & Suites. This year we are honoring a number of distinguished individuals for Civil Engineer of the Year, Government Engineer of the Year, Young Engineer of the Year and Educator of the Year. Please join us to honor these deserving individuals.

In this regard, I would like to point out that each year the three Branches (North, Central & Southern) and the Section hold their own annual award dinner event. Although each is successful in their own right it has become increasingly difficult to find nominees for each award and to maintain interest and attendance at these events. It is my humble opinion that future award dinners be held as a joint event between the Section and three Branches. A joint awards program/dinner would increase the "award nominee" pool and would provide a more focused support for the awards program which could become a "sought after recognition" by the recipients. It will demonstrate a combined voice of civil engineers in the State of New Jersey which would be recognized by political forces in the state. I need your support to push for this initiative to become a reality – it benefits us, the "invisible" civil engineers.

By now most of our colleagues are aware that a law (P.L. 2009, Chapter 294) was enacted on January 17, 2010 that requires continuing professional competency relating to the practice of professional engineering in the State of New Jersey. It is expected that the law would be effective from January 2011. In anticipation of high demand for PDH approved presentations and seminars, we have scheduled a number of technical programs that are convenient and affordable to our members for the coming season. The calendar of events is listed in our newly revamped website www.ascenorthjerseybranch.org. Please visit our website for more details.

Lastly I would like to point your attention to our scholarship fund which deserves a healthy revenue source so that we can offer generous scholarships to our next generation. I will discuss this issue at our next newsletter.

I look forward to this challenging new season and to my role as your president. It would be a tough act to follow the accomplishments achieved by previous Presidents. However with your active participation, as well as your encouragement to others to participate, we will make our coming year a success and continue the traditions of our proud Society and our Profession.

Best Regards,

A handwritten signature in blue ink that reads "Golam Kabir". The signature is written in a cursive, slightly slanted style.

M. Golam Kabir, Ph.D., P.E.
(973) 428-0934 Ext. 137

GTG Full Day Seminar - Design and Installation of Micropiles and Other Deep Foundations

On March 25th the Geotechnical Technical Group held a full day seminar entitled Design and Installation of Micropiles and Other Deep Foundations presented by nine world renowned speakers with Dr. Dan Brown Ph.D., P.E. of Dan Brown & Associates, LLC as the Keynote Speaker. The speakers, all of whom are experienced practitioners in this arena, included designers, contractors and suppliers in the industry. The Geotechnical Technical Group would like to thank Dr. Brown and -

*John Wolosick, P.E. – Hayward Baker, Inc.,
Allen Cadden, P.E. – Schnabel Engineering Assoc.,
Dr. Terence Holman, Ph.D., P.E. – Moretrench American Corporation,
Dan McLean, P.Eng. – Contech Systems Limited,
Andy Peterson, P.E. – Peterson Geotechnical Construction, LLC,
John Roma, P.E. – Raito, Inc.,
Mark Seel, P.E., P.G. – Langan Engineering & Environmental Services, Inc. and
Richard Crockford – Nicholson Construction, Inc.*

for taking time out of their busy schedules. The full day seminar covered general and special topics relating to the design and construction of micropiles and deep foundation elements. Topics included micropile design techniques and structural considerations, case histories, quality control issues and the use of hollow bar micropiles.

Ninety-eight (98) colleagues and speakers from consulting, contracting and academia gathered for a full day of learning and networking at the Stevens Institute of Technology in Hoboken. Each attendee was awarded 6.5 professional development hours. The seminar was both informative and entertaining. The morning sessions included the evolution of drilled shaft construction techniques and equipment in the Northeast and micropile and drilled shaft construction quality assurance. The afternoon sessions included discussions on structural design of micropiles, a comparison of micropile techniques in the U.S. and the U.K., the use of hollow bar micropiles in North America, minipile installation in difficult access areas, and a case history at a condominium in Barbados.

The Geotechnical Technical Group would like to thank all those who took the time to attend and thus support the North Jersey Branch of ASCE. Please feel free to contact Mr. Robert Bunting at robert.bunting@aecom.com if you have a geotechnical related topic that you would like to see presented in the future.



You can renew your ASCE and Section/
Branch membership today by going to
www.asce.org/renewal



Have you paid your **2010**
ASCE membership dues?
Click here to renew today!

FUTURE CITY COMPETITION NEEDS MENTORS!

Every year around this time, we look for people interested in becoming mentors for the National Engineers Week Future City Competition. By now, hopefully most if not all of you are familiar with the competition, which is an education engineering program for 6th- 8th graders. The program requires students, with the guidance of their teacher and a mentor, to design a city of the future. This is accomplished first using a computer model (SimCity) and then by building a scale model of a section of their city. Students also have to research and write a brief technical paper, and make a formal presentation. The program begins in September and culminates with the Regional competition in January at Rutgers University.

We are always looking for mentors, and can use your help! The time commitment is flexible and can work with your schedule. Even if you can only visit a school once or twice it is a preferable alternative to a school having no help at all. Please look us up on the web for more information (www.futurecity.org to learn more about the program and <http://branches.asce.org/centraljersey/FutureCity.html> for local NJ information) or contact us directly. This is a wonderful way to give back to your profession, as well as to help spur the interest of some of our brighter young minds into pursuing careers in engineering.

Maysill Pascal, Mentor Coordinator Maysill_Pascal@golder.com
Scott Lubarsky, NJ Region Coordinator slubarsky@HNTB.com

We currently have openings in the following towns: Dumont, Sewell, Montclair, Bergenfield, Union City, Ramsey, and Jersey City.





2009 NJIT Steel Bridge Competitions (NJIT CHAPTER OF ASCE)

By Dr. John Schuring, NJIT

A team of 25 NJIT civil engineering students—including many seniors—will be working round-the-clock through graduation to ready a 20-foot-long model steel bridge for a prestigious national competition. The team qualified for this important event by taking first place in the recent Metropolitan Region Steel Bridge Competition. This is the fourth year in a row in which NJIT has won the regional and advanced to nationals. This year's national event will be held in May at the University of Nevada.

"The goal of all of these steps is to push NJIT into the top 10 in the upcoming National Steel Bridge Competition," said Giancarlo Fricano, of Bridgewater, a captain and senior. "Rome wasn't built in a day, nor was the moon reached in one mission. But our team has made major strides towards advancing its standing nationally. This year, we've made a bridge and a team to be proud of and we're hoping to take this further."

Advisor John Schuring, professor of civil engineering, echoed these words. The best we've ever done in this national competition is 14th place. That's pretty good, too, when you consider that something like 175 teams typically compete. However, this year, I think we really have a shot to make it into the top ten.

The rigorous local competition—held this year at Polytechnic University—required teams to assemble a reduced-scale bridge (about one-tenth the size of an actual bridge) under deadline pressure. The 20-foot long bridge had to be lightweight, yet strong enough to sustain a 2,500-pound load. NJIT's winning model also took first place in two design categories: structural efficiency and stiffness. Competing institutions included Columbia University, Cooper Union, Rutgers University, Stevens Institute and the College of New Jersey.

The NJIT team used a quick-connecting pin joint that enabled them to assemble their bridge quickly. They also used a lightweight three-dimensional truss design that made for a lightweight, yet strong bridge. Two corporate partners—Acrow Bridges and Schiavone Construction Corp—helped the team construct the bridge.

"Working on this bridge since last summer allowed our team to see its work go from a conceptual design to a final fabrication," said Tien Tran, of Belleville, a civil engineering major and co-captain. "That's a very rewarding experience for students to have." More than 18 bridge designs were considered before deciding on this final one. The team also used computer models, prototype testing and stress analyses to evaluate the bridge. For further information go to:

<http://bridge.njit.edu/index.htm>

The ASCE North Jersey Branch congratulates the NJIT Team on their accomplishment and wishes them the best of luck at the Nationals.



2010 – 2011 ASCE North Jersey Branch Executive Board

The democratic process is alive and well in Northern Jersey. You, the members, were asked to cast votes for the next Executive Board in the March and April newsletters. Now, please join me in welcoming our new Board of Directors for the 2010-2011 season!

President:	M. Golam Kabir, Ph.D., PE of Converse Consultants
President-Elect:	Kerri Tyerman, PE of Dewberry
Vice-President:	Greg Landry, PE of Moretrench American Corporation
Secretary:	Monir Sarker, PE of Hatch Mott MacDonald
Treasurer:	Scott Lubarsky, PE of HNTB

Our Branch Directors: Lamis Malak, PE of NJTA and Luis Barragan, PE of Baker

And our Section Directors:

Teresa Peterson, PE	Arjuna Ranasinghe, PE
Kevin Doyle, PE	Robert Matthews, PE

The North Jersey Branch has a strong tradition of producing award winning programs and I have every confidence that with your support, the new leadership will rise to meet the challenge. Next time you meet one of them at a meeting, make sure to wish them well, and thank them for volunteering their time and talents to the Branch.

ORDER OF THE ENGINEER RING CEREMONY AT LaQUINTA INN & SUITES, FAIRFIELD, NJ

American Society of Civil Engineers, North Jersey Branch Younger Member Group
invites you to participate in the Order of the Engineer Ring Ceremony to be held at the
North Jersey Branch Annual Awards Dinner on September 23, 2010

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer. The first Ring Ceremony was held on June 4, 1970 at Cleveland State University. Others like it have since spread across the United States at which graduate and registered engineers are invited to accept the Obligation of the Engineer and to wear a stainless steel ring.

The Ring Ceremonies are conducted by Links (local sections) of the Order. Over 2,100 engineers have participated in ASCE led Ring Ceremonies since Spring 2003.

More information on the Order of the Engineer can be found at www.order-of-the-engineer.org.

Participants at the Ring Ceremony will take the Obligation of the Engineer and receive a stainless steel ring. The cost will be \$15. We will assist you in determining the proper ring size prior to the ceremony.

For additional information on the Ceremony and to obtain a registration form, please contact:

Steven Pylypchuk at
spylypchuk@rbagroup.com
973-946-5683

or

Alicia M. Mahon at
mahon.alicia@gmail.com



ASCE

ANNOUNCEMENT

The North Jersey Branch of the ASCE is happy to announce that Ken Wigg, PE of Moretrench will be our new Construction Technical Group Leader. Please join us in welcoming Ken to this position and don't forget to thank him for volunteering his time and talents to the Branch. If you have any interest in joining the Construction Technical Group please contact Ken at kwigg@mtac.com or at 973 627-2100, ext 112.

Luis F. Barragan, Jr., P.E



Luis (Lou) Barragan is currently the Manager for the Civil/Highway Department in Michael Baker's Newark, New Jersey Office. Lou graduated from Stevens Institute of Technology with a BE and ME in Civil Engineering in 1991 and has over 19 years of experience in the transportation industry in the tri-state region. His diverse experience has involved work on projects with multiple modes of transportation, including highway interchanges, tunnels, commuter rail transit, light rail transit and bus rapid transit. Lou has been actively involved with many professional societies, including ASCE, ASHE and SAME, where he served as a board member on the NY Post's Young Member's Committee. Lou resides in Pine Brook, NJ with his wife Annette and three children.

NORTH JERSEY BRANCH TECHNICAL GROUPS

Join one of these groups and get involved with others in your field of interest. For more information, contact Kevin Doyle, P.E. at Kevin.Doyle@stantec.com or any of the individuals listed below:

STRUCTURAL GROUP

Satish Patel, PE
(732) 452-9200
satish.patel@jacobs.com

TRANSPORTATION GROUP

Mittul M. Patel, PE
(908) 598-2600 x 115
mpatel@bemsys.com

PROFESSIONAL ISSUES GROUP

Thomas K. Beke, PE, PMP
(201) 595-4743
tbeke@panynj.gov

ENVIRONMENTAL GROUP

Teresa Peterson, PE, CME
(908) 755-0040 x 3054
tpeterson@gfnet.com

CONSTRUCTION GROUP

Kenneth Wigg, PE
(973) 627-2100 x 252
kwigg@mtac.com

GEOTECHNICAL GROUP

Robert D. Bunting
(732) 564-3272
Robert.bunting@aecom.com

WATER RESOURCE GROUP

Ramesh Rajagopal, PE
(908) 755-0040
rrajagopal@gfnet.com

Note from the Editor

Welcome to the 2010-2011 event season! As editor of this newsletter I will endeavor to keep you informed about upcoming events, recent events that you may have missed and other goings on in the branch. However, keeping the newsletter filled with interesting and relevant content is a big job and I need your help.

Therefore, consider this an open invitation to submit articles about projects you're working on, events that might be of interest to other ASCE members, anecdotes or fun and interesting pictures. In particular I'd like to highlight local projects and projects our members are working on; whether near or far away.

I'd also like to encourage everyone to visit our new website (ascenorthjerseybranch.org). If you have northern New Jersey pictures that you think would look good in our rotating banner let me know and we'll get them up with a credit to you and your organization.

See you at the next event!



Greg Landry, P.E.
Vice-President, ASCE North Jersey Branch
glandry@mtac.com



TENTATIVE PROGRAM LIST FOR 2010 - 2011

MEETING NO.	PROJECT / TOPIC	SPEAKER	PDH Credits Anticipated	DATE	TECHNICAL GROUP
1	ASCE NJB AWARDS DINNER		-	September 23, 2010	
2	Swatch Tasting Luncheon			October 7 or 14, 2010	
3	Retained in claims, ethics, legal issues	Pete Lillio	✓	October 21, 2010	PEQ
4	Wetland Water Project	EMM (needs speaker info)	✓	November 18, 2010	WRQ
5	Design and Construction of Flood Flood Filling	Dr. Richard Hartman, PE	✓	December 1, 2010	ETQ
6	Queen Anne's Parkway Wastewater Project	Lynette Mink, New Jersey Thruway Authority	✓	January 11, 2011	TTQ
7	Riparian Zone Mitigation	Pete Demayo, NJDEP	✓	January 2011	ETQ
8	Project in Carlisle, NJ	Chris Ziegler, SEQI	✓	February 28, 2011	CTQ
9	Full Day - LEED for Retaining Wall	Speakers to be determined	✓	March 28, 2011	OTQ
10	Course Design for Bridges	Dr. Brian, Texas Tech University	✓	April 5, 2011	OTQ/ETQ
11	Road 3 over Passaic River Project	John Coffey, Donkey	✓	May 25, 2011	ETQ
12				June 2011	
13	No Meeting			July 2011	

THE MORE YOU INVEST INVEST IN ASCE, THE GREATER THE RETURNS.

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

Dewberry

3000 Route 20
 Whippany, NJ
 Street Level, 40
 Newark, NJ

www.dewberry.com

SYS TRA CONSULTING, INC.

SYSTRA Consulting, Inc.

Always Moving

- Planning/Estimates/Analysis
- Right-of-Way Design
- Systems Engineering
- Fuel by Design
- Signs & Communications Design
- Operations Analysis
- Construction Management

150 Clowe Road, 7th Floor 07424 | 973.873.9700

www.systraconsulting.com

JACOBS

Value-Added Engineering

Skilled professionals working from through solutions for a wide range of projects around the globe

Offices nationwide
 248 Madison Avenue
 Monticello, New Jersey 07052
 1-800-441-0565
 Fax: 1-973-257-3699

www.jacobs.com

CONVERSE CONSULTANTS

1946-2006
60th Anniversary

- Geotechnical Engineering
- Environmental & Groundwater Science
- Construction Phase Inspection & Testing Services

New York Office:
 Two Penn Plaza, Ste 1500
 New York, NY 10121
 Tel: (212) 292-4867
 Fax: (212) 292-4979

New Jersey Office:
 622 Route 10 West, Ste 10
 Whippany, NJ 07981
 Tel: (973) 428-0934
 Fax: (973) 428-0713

CONTACT: M. Golam Kabir, gkabir@converseconsultants.com

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
- Landscape Architecture

KS Engineers, P.C.
 Corporate Headquarters
 494 Broad Street, 4th Floor
 Newark, NJ 07102
 T: 973.623.2999 • F: 973.212.2755
 info@kseng.com

New Jersey
 New York
 Pennsylvania
 www.kseng.com

PARSONS BRINCKERHOFF

- Engineering
- Planning/Environmental
- Program Management
- Construction Management
- Operations & Maintenance
- Strategic Consulting

Two Gateway Ctr. 506 Carnegie Ctr.
 18th Floor 2nd Floor
 Newark, NJ 07102 Princeton, NJ 08540
 973-353-9100 609-734-7000

For more information visit us at www.pbworld.com

Dewatering and Groundwater Control
 Ground Freezing
 Earth Retention and Excavation Support
 Deep Foundations
 Underpinning Systems
 Grouting Systems
 Environmental Remediation
 Industrial Construction

MORETRENCH

There's MORE to MORETRENCH.

MORETRENCH.COM • 800-394-MORE

New Jersey • Florida • New York • Massachusetts • Pennsylvania • Delaware • Washington, DC

Stantec

Stantec Consulting
 365 W. Passaic Street
 Rochelle Park NJ 07662
 Tel: (201) 587-9040
 Fax: (201) 587-0444

stantec.com

- ROADS & HIGHWAY ENGINEERING
- STRUCTURAL ENGINEERING
- TRAFFIC PLANNING & ENGINEERING
- SURVEYING / GEOMATICS
- LAND DEVELOPMENT
- PROGRAM & PROJECT MANAGEMENT

One team. Infinite Solutions.

THE MORE YOU INVEST INVEST IN ASCE, THE GREATER THE RETURNS.

HAYWARD BAKER
 Geotechnical Construction

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

COMPLETE GROUND MODIFICATION SOLUTIONS AND SERVICES


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

New York Metropolitan Area
201-489-1700

1000 Complex Building, Suite 400
 HaywardBaker.com

SPECIALTY FOUNDATION CONTRACTOR

Katy Ubinger, PE
 Senior Project Executive



tel: 973.967.1900 ext. 137
 Fax: 973.967.2504
 k.ubinger@csrgroup.com

139 Chestnut Street
 Nutley, NJ 07110
 www.csrgroup.com

Architecture • Construction • Design/Build

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

Robson Forensic
 Engineers, Architects, Scientists & Fire Investigators

800.813.6736 www.robsonforensic.com

NJTA Express O2 Park



**PLANNING AND DESIGNING
 COMPLEX TRANSPORTATION SYSTEMS**

HNTB


The HNTB Companies
 Engineers, Architects, Planners

Wayne Plaza I, Ste. 400
 145 Route 46 West
 Wayne, NJ 07090-0000

44 East 8th St.
 Woodbury, NJ 08096

One Gateway Center, Suite 400
 Newark, NJ 07102

www.hntb.com



Gannett Fleming
A Tradition of Excellence
www.gannettflaming.com

**ENGINEERING
 INNOVATION**

Serving the Garden State
 Newark, NJ Trenton, NJ Mount Laurel, NJ

SOUTH PLAINFIELD, NJ
 Southview Center, 1 Cragwood Road, Suite 200
 South Plainfield, NJ 07080
 (908) 755-0040

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