

MARCH 2007**Branch Officers and
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American Society of Civil Engineers

**North Jersey Branch
Construction Technical Group Presents**

**Using Information Technology to Simulate Building
Construction**

Speakers: **Martin Beahm, North American Director of Business Development, Gehry Technologies**
Lucio Soibelman, Associate Professor, Civil and Environmental Engineering, Carnegie Mellon University

Date: **March 27, 2007**

Time: **Reception at 5:30, dinner at 6:30. Presentation to follow.**

Location: **University Club in Eberhart Hall, New Jersey Institute of Technology, Newark NJ (<http://www.njit.edu/alumni/universityclub/>)**

Cost: **\$30 ASCE Members, \$40 Non-Members, \$15 Full-Time Students with ID. Space is limited!!!**

Register: **RSVP by March 22. Call Steve Denes at 201-307-2548 or by e-mail at sdenes@hertz.com, or call Katy Ubinger at 973-667-1600, ext. 112 or by e-mail at kubinger@csrgroup.com or register online at <http://branches.asce.org/northjersey>. No "shows" will be billed!**

During the past two decades of technology advancement, industries have capitalized on computing for acquiring, controlling and utilizing information to gain greater efficiencies. There have been huge strides in efficiency in the aerospace, automotive and financial industries. This decade will see the emergence and application of a comprehensive and collaborative technology-driven approach to the building process that has the potential to revolutionize the construction industry. This technology is known in the construction industry as virtual building or building information modeling (BIM).

Mr. Martin Beahm will be one of two speakers at the March 27 North Jersey Branch meeting. Mr. Beahm is the North American director of business development for Gehry Technologies, a building information modeling (BIM) consulting and development firm. Our other featured speaker will be Dr. Lucio Soibelman, an associate professor in the Civil and Environmental Engineering Department at the Carnegie Mellon University in Pittsburgh. Professor Soibelman is currently researching the use of information technology for economic development and information technology support for construction management, among other topics.

PRESIDENT'S ADDRESS



Where do you see ASCE? As president of the North Jersey Branch, I would like to think that when you see the ASCE logo, you think of our monthly dinner meetings and other activities of the Branch. Clearly though of the 1800 or so members within the North Jersey branch counties only a fraction avail themselves of any of our Branch activities. I'd really like to know how to increase that, but it is probably true among most of the Sections and Branches across the country where the total ASCE membership is over 139,000. So there are obviously other places that ASCE is recognized as providing services to our members and to the country.

We see ASCE in our monthly *Civil Engineering* magazine and the *ASCE News* with a wide range of content that can keep us informed on projects and people, to the extent that we read those publications. We probably are aware that ASCE and its Institutes such as SEI have been a leader in assembling teams of experts to study and make recommendations for future designs after major national disasters such as the collapse of the World Trade Center and the failure of dams precipitated by Hurricane Katrina.

ASCE is also in the forefront of promoting such worthy causes as "green" design and ethical practices in global projects. ASCE takes a lead in identifying deficiencies in our infrastructure that need to be corrected, both nationally and on a state-by-state basis by way of the Infrastructure Report Cards that have been developed (and are being developed now for New Jersey). Additionally, there are dozens of national ASCE technical committees working on standards and manuals and reviewing research in an on-going basis on a wide variety of topics to improve our practice. At least two dozen of our Branch members are working on such national committees.

It would be difficult not to recognize the volumes of journals coming out under ASCE auspices and the hundreds of short courses and seminars offered each year sponsored by ASCE. The seven institutes within ASCE have their own conferences each year with more opportunities to expand your knowledge. Then there is the identification and recognition of national landmarks, historical events and edifices, and the outstanding individuals within our community that ASCE fosters. In a completely different vein, maybe you see ASCE as a source of reasonably priced and portable insurance.

ASCE's mission is to provide essential value to our members and our partners, their careers and the public, and is busy carrying out that mission.. I suggest making note of the many ways in which ASCE provides services to our members and the country as a whole, enhancing our profession. I've only touched on a few of them. You can be proud that you are a part of it.

- Ken Clausen, P.E.

2007 ASCE Softball Tournament Scheduled

Softball organizer Scott Lubarsky wants to spread the word and get an early start on this season's ASCE Softball Tournament.

The date for the tournament will be Saturday, September 15th in Essex County. The rain date is scheduled for the 29th.





NEWARK COLLEGE OF ENGINEERING'S SALUTE TO ENGINEERING EXCELLENCE

Dean Schuring invites you to join him and the NCE family for NCE's Annual Salute to Engineering Excellence. Thursday, March 22, 2007, at the NJIT Campus Center. The festivities start at 5:30PM and will be followed by Keynote Speaker **Frank Lombardi, Chief Engineer of the Port Authority of NY and NJ**. Awards and Viennese Table to follow the presentation.

For more information and register to attend, please contact Jane McClellan at mccllellan@njit.edu or 973-596-3408. *NCE's Annual Salute to Engineering Excellence supports the [NCE Board of Visitors](#) Scholarship Endowment. The endowment provides financial support to students studying engineering at NJIT*

ASCE STRUCTURAL TECHNICAL GROUP HALF DAY SEMINAR

This year the STG will host their half-day seminar at the New Jersey Institute of Technology on **April 19, 2007**. This year's topic is about the **Design of Steel Curved Girder Bridges** and the seminar will cover the current AASHTO LRFD guidelines and specifications, the fabrication, transportation, and the erection of curved girder bridges, as well as practical design considerations. Stay tuned for more information in the April newsletter!

- SPEAKERS:** Dan Hall – BSDI, Ltd., Coopersburg, Pennsylvania & Ronnie Metlock, Chief Engineer, High Steel Structures, Inc, Lancaster, Pennsylvania
- DATE:** Thursday, April 19, 2007
- LOCATION:** New Jersey Institute of Technology,
- COST:** \$60 ASCE Members, \$70 Non-Members, \$50 Government Employees and \$30 Full-Time Students with ID



E-Week Review!

National Engineers Week was held from February 18th to the 24th. This year the YMG hosted a table at the Jersey Gardens Mall on Sunday, February 18 and Saturday, February 24 to promote engineering to interested children's parents who passed by.

The Jersey Gardens table location was closely placed to a mall entrance keeping the volunteers consistently busy with mobs of people wondering what they had to offer. Many parents and children left the YMG table knowing a bit more about what engineers do.

While parents learned about possible careers in engineering from our volunteers and brochures, their children were eagerly assembling marshmallows, gum drops, toothpicks and straws to make miniature houses, domes, bridges and other structures with guidance from volunteers.

When we heard the words, "wow!" and "cool!" come from children's mouths with respect to engineering, we knew it was a great event! Thank you to all the volunteers for helping to make this event so successful and helping us reach so many people!

ASCE North Jersey Branch - 2007 Civil Engineering Awards	
Description	Criteria
Civil Engineer of the Year Presented to an individual who has contributed substantially to the advancement of the civil engineering profession.	ASCE membership grade of member, fellow, honorary or life member. Member in good standing with the New Jersey Section and North Jersey Branch.
Young Civil Engineer of the Year Presented to a young civil engineer who has significantly contributed to the civil engineering profession.	ASCE membership must be at least associate member. Must be 35 years of age or younger as of February 1, 2006. Must be in good standing with New Jersey Section & North Jersey Branch.
Service to the People Award Presented to an elected or appointed government official who has contributed substantially to the status of the civil engineering profession by meritorious public service.	Must hold office in a jurisdiction that corresponds to an area within the boundaries of the North Jersey Branch.
Educator of the Year Award Presented to an outstanding educator who has contributed substantially to civil engineering through knowledge and guidance.	Must be affiliated with an educational institution located in the State of New Jersey. Institution must support a civil engineering (or civil engineering technology) curriculum
Government Civil Engineer of the Year Award Presented to an individual who has contributed substantially to the advancement of the civil engineering profession in the government sector.	ASCE membership grade of member, fellow, honorary or life member. Member in good standing with the New Jersey Section and North Jersey Branch.
Excellence in Journalism Award Presented in the name of a journalist or publication that has reported the accomplishments of those persons or in civil engineering.	Journalist or publication is located within OR covers relevant topics within the boundaries of the North Jersey Branch. Advanced public knowledge and understanding of civil engineers. Describes the relevant project or issue and the civil engineer's role in the project.

Nomination Form

Nomination By: _____

Address: _____

Phone Number & Email: _____

Name of Nominee: _____

Address: _____

Telephone Number: _____

Job Title: _____

Employer/ School: _____

Member of ASCE: yes _____ no _____; If yes, Membership Grade _____

Award(s) Nominated For (list all that apply): _____

Please list academic degrees, involvement in other profession societies, civil or charitable activities, other awards or honors:

Achievement: Please support the candidate's nomination with a brief statement of 200 words or less, on a separate sheet.

Excellence in Journalism Award: Include a copy (original or photocopy) of the article as it appeared in the publication, which should include the publication's masthead and date of publication, article title, publication



Please fax this completed form and attachments to Gareth Middleton at (973) 643-7982 by April 14, 2007
 Additional forms are also available on-line at <http://branches.asce.org/northjersey/>

Official Ballot - North Jersey Branch Officers – 2007/2008

Instructions: In the right-hand column, mark your vote for each office as indicated. Write-in candidates are permitted; eligibility and willingness to serve will be verified. To be valid, ballots must be signed and all information requested at the bottom must be provided.

This ballot must be received on or before April 16, 2007 by the Branch President:

*Kenneth A. Clausen, P.E.,
KS Engineers, P.C.
24 Commerce Street, 15th Floor
Newark, NJ 07102
FAX (973) 623-2988*

Indicate Vote Here

President (No Vote Required)
Thomas N. Ott, P.E.

President – Elect (Vote for One Candidate)
Teresa Peterson, P.E. _____
Write-In Candidate _____

Vice President (Vote for One Candidate)
Stephan Butler, P.E. _____
Write-In-Candidate _____

Secretary (Vote for One Candidate)
Katy Ubinger, P.E. _____
Write-In-Candidate _____

Treasurer (Vote for One Candidate)
Todd Hay, P.E. _____
Write-In-Candidate _____

Director(s) (Vote for Two Candidates)
Gareth Middleton, P.E. _____
Michael Murno, P.E. _____
Write-In Candidate _____
Write-In Candidate _____

Your Name (Print): _____ **Membership No.** _____

Signature: _____ **Date:** _____

Note: Ballots may also be downloaded from the Branch website.

North Jersey Branch Technical Groups

Join one of these groups and get involved with others in your field of interest. For more information, contact **Lamis Malak, P.E.** at malak@turnpike.state.nj.us or any of the individuals listed below:

STRUCTURAL GROUP

Arjuna Ranasinghe – 973-776-8621
apranasinghe@mbakercorp.com

TRANSPORTATION GROUP

Mittul Patel - 908-598-2600
mpatel@bemsys.com

WATER RESOURCES GROUP

Ramesh Rajagopal 908-755-0040
rrajagopal@Gfnet.com

ENVIRONMENTAL GROUP

Jim Heeren - 973-739-9400
jheeren@dewberry.com

PROFESSIONAL ISSUES GROUP

Anthony Pecci – 973-338-9100
apecce@dewberry.com

CONSTRUCTION GROUP

Co- Chairs:
Katy Ubinger - 973-667-1600
Ext.112
kubinger@crsrgroup.com and
Stephen Denes - 201-307-2548
sdenes@hertz.com

GEOTECHNICAL GROUP

Co- Chairs:
Golam Kabir – 973-605-5200
gkabar@converseconsultants.com
and
David Lim – 973-244-5995
dlim@stressteel.com

Please join us for the 4th Annual Engineering Expo on March 25th, 2007

Last year's EXPO featured 44 companies and industry organizations along with 25 colleges and universities from throughout the East Coast states. Over 400 parents, students, and teachers stopped by to learn about engineering and careers in engineering.

The exhibits ranged from interactive models and product samples, to question and answer competitions, and demonstrations from professionals. Parents and students had the opportunity to speak with college recruiters to learn about various programs of study and entrance requirements.

Engineers from public and private practice were on hand to discuss how engineering can contribute to the community, improve the environment, and still be a rewarding and satisfying career choice. Teachers were able to network with the professionals and learn more about resources available to bring engineering into the classroom.

Continued on page 7

YMG's Development Event

The Younger Member Group Is pleased to host a Professional Development Event: **"From Project Engineer to Project Manager: Look Before You Leap."**

Wednesday, April 4, 6:45 PM at Langan Engineering in Elmwood Park. Email: Chrissa Roessner at: croessner@louisberger.com

YMG's Open Board Meeting

All are welcome to attend our open board meeting. Come find out what the YMG does and meeting the future movers and shakers of the Engineering World

Wednesday, March 14 at 6:30PM at HNTB in Wayne. Contact Helen at hshyu@hntb.com for information.



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This year's Engineering EXPO will be held on **March 25, 2007 at Westchester Community College in Valhalla, NY**. Admission is **free**. This event is open to all Middle and High School students and their families throughout New York and New Jersey. The exhibit hall will be open from 11am to 4pm. Please encourage your local school to attend.

We are currently looking for companies to exhibit at the EXPO. We would like to include representatives from all fields of engineering and technology.

This is a great way to introduce your company to your future workforce, as well as to support the future of the profession. If you or your organization would like more information, or to register as an exhibitor, please contact **Teresa Peterson, 908.755.0040** or tpeterson@gfnet.com. We need YOU to help make this a successful event!



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Growing New Engineers

The K-12 Committee is looking for new members and we want you! The K-12 committee is involved in educational outreach activities including the Future Cities Competition, the West Point Bridge Design Contest, Engineers Week and Career Day visits to area schools and groups like the Girl and Boy Scouts.

We are committed to educating young students about the bright future that a career in Civil Engineering can offer. Not only are they the future of our profession, but they are our future customers, clients, and voters. They are full of questions and ideas that will someday shape the direction of engineering.

We have worked with educators, principals, guidance counselors, teachers, and concerned, caring individuals to set up programs for student of all ages. If you can spare 2-3 hours per month, we could use your help. We will be holding an open, re-organizational meeting at HNTB in Wayne, NJ on April 9th @ 6PM . If you would like more information about the group, or to RSVP for the meeting, please contact Teresa Peterson at 908.755.0040 x 3054, or tpeterson@gfnet.com.

Engineers of the Future Study Technology Education Today!

With the field of Technology Education in New Jersey projecting a shortage of five-hundred or more teachers in the next few years, it is more important than ever to find qualified people to fill these positions.

The College of New Jersey is holding a workshop on April 24th that will provide an overview of what Technology Education is along with pathways to a career in teaching Technology Education. Stay tuned for more information in next month's newsletter!

Transportation Technical Group Half Day Seminar

The TTG is working hard to finalize out this year's seminar so make room on your calendar for **late April 2007**. Don't miss this must attend event!

The seminar will be held from 3 to 8PM in the Newark Club. The theme for this year's topic will be **"Transportation Projects for the 21st Century."**

Speakers are currently being confirmed and the TTG is seeking PDH accreditation. Look for more announcements and information in next month's newsletter!

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UPCOMING EVENTS

April 19, 2007: STG Half Day Seminar
 April 2007: TTG Half Day Seminar
 May 17, 2007: North Jersey Branch Awards Dinner