

SEPTEMBER 2001

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2001 / 2002**

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*American Society
of Civil Engineers*

North Jersey Branch Newsletter

SEPTEMBER DINNER SEMINAR

RELOCATION OF BUILDING 51

Building 51 is Newark Airport's original terminal building dedicated in 1935. It is a National Historic Landmark with a strong foothold in aviation history. It is one of the oldest airport terminal buildings, with a list of "firsts" including first control tower, first airport weather bureau and the first airport hotel and restaurant.

In 1998 the extension of Runway 4L-22R placed this structure in the clear zone, deeming it unusable. The Port Authority of NY/NJ, in conjunction with local historic preservationists, determined it was possible to relocate the building with adaptive reuse as an Administration Building with historically preserved areas.

The challenge was determining how to move a building that was at the upper limit of acceptable weight range for relocation. The Building Moving community developed an ingenious method to jacklift the building in three pieces.

This Seminar will discuss the technical complexities of physically moving the building, along with the challenges of scheduling around ongoing airport operations, and several other projects currently underway as part of the Redevelopment Program. Video of the relocation will be shown during the course of the evening.

SPEAKERS:

Mr. Paul Wood, P.E. - Program Director of the Newark International Airport Redevelopment Program

Mr. Steven Lang - Project Manager, Prismatic Development Corp.(GC)

Mr. Jerry Matyiko - President, Expert House Movers (subcontractor)

DATE / TIME / LOCATION

Thursday, September 20, 2001

Fairfield Ramada Inn, Route 46 Westbound, Fairfield, NJ

5:30 Cocktails - Dinner and Presentation to follow.

RSVP - Paul Emilius at 973-697-2122 or pemiliusjr@geodcorp.com

PRESIDENT'S ADDRESS

For those of you who do not know me, please allow me to introduce myself. My name is Eugenia Roman and I am a structural engineer working for Hardesty & Hanover, LLP in their Hoboken office. I am also a graduate student at Stevens Institute of Technology, my alma mater since 1996.

I am honored to have been elected to the position of President for this term. I look forward to working with all of our board members and technical committee chairpersons in an effort to produce another banner year of seminars and events that are of interest to our membership. The new board members have some great ideas for the coming months and the seasoned veterans of the board have taken on some new leadership roles within the organization. We hope that the mix of the old and the new will produce a program that is inviting to all of our members.

In the coming months, you will be receiving information about the NJ Section celebration of ASCE's 150th Anniversary. This is an historic event that should not go unrecognized. Preparations for the celebration have been well under-way during these past summer months. Ali Vaezi, Michael Murmo and Bruce Fidler, all Past-Presidents, have become very active on the 150th Anniversary Committee. Their interest and dedication to ASCE has made them especially interested in making the 150th Anniversary an event to remember in 2002.

Bill Rutherford has been appointed as Chairperson of the Student Affairs Committee. With the aid of several other members, he hopes to develop a program that will establish the ASCE within the three engineering colleges in our Branch, Stevens Institute (Stevens), New Jersey Institute of Technology (NJIT) and Fairleigh Dickenson University (FDU). This committee will work towards encouraging the students to become involved at the Student level and continue their involvement after graduation.

The Younger Member Group (YMG) has been strengthened by it's new leadership. With Scott Lubarsky as President, the group is looking forward to increasing the participation of branch members who are 35 years old or younger. As an added incentive to the Younger Members, we are offering a reduced dinner price to our monthly dinner seminars.

Gita Sheth is leading the effort to get the North Jersey Branch Website more helpful, friendly and interactive. Our goal is for the website to become the primary

source of Branch communications: posting seminar flyers, field trips, photos, and useful links. We hope to launch this new website by the end of the year.

These are just a few of the "projects" that we have started in preparation for our new year beginning in August. I would like to invite any of our members that may be interested in any these programs to contact the lead person for information. Participation and involvement from the membership can only make our branch programs better.

Eugenia Roman



Eugenia Roman with outgoing North Jersey President Ali Vaezi (right) and Robert W. Bein, ASCE National President. Picture taken at a NYC reception - see article on page 4.

Attention North Jersey Readers!

Do you have any newsworthy reports or information?
Or would you like to place an ad in this newsletter?
If so, please contact Gita Sheth at Sheth_Gita@bah.com

TECHNICAL GROUPS

The North Jersey Branch has six active technical groups. Being part of one of these groups gives the member an opportunity to develop relationships with others having similar interests. If you are interested in being part of one of these groups, contact **Ali Vaezi**, Chair of the Technical Activities Committee at (201) 438-6166 OR avaezi@goodkindinc.com OR:

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8TH ANNUAL SOFTBALL TOURNAMENT SET FOR SEPTEMBER 8



Its not over yet! This annual event has always been a great way to close out the summer season, with a competitive softball tournament between North Jersey companies. For companies who could not participate in this year's engineering league, it's your last chance to come out for the day, and show your stuff!

This tournament is once again being held at Brookdale Park in Montclair. The entrance fee is \$300, and net proceeds will go towards the North Jersey Branch Scholarship Fund. The flyers have been mailed out - the tournament is limited to the **first 12 teams to respond**, so please get your entry forms in as soon as possible. For more information, please contact Scott Lubarsky at (973) 338-6680 ext. 292 or slubarsky@tamsconsultants.com

NJIT'S "SUMMER INSTITUTE" STILL A SUCCESS

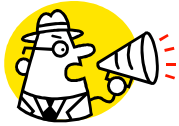
Every year, New Jersey Institute of Technology holds a summer program for high schools students, introducing them to the field of Civil Engineering. This year, 29 students from 14 municipalities attended the 5 week program structured to mimic college life and responsibilities. Educational activities also included math enrichment, communications skills, and computer science.

Two weeks of the program are sponsored by ASCE National and the North Jersey Branch. One of the biggest highlights of the program is the presentations given by our own North Jersey members. Engineers from different disciplines went in and gave real life accounts and presentations of their career and professional experiences. The students always enjoy and benefit from the personal descriptions and stories, as do the engineers presenting!

This year, the following members volunteered their efforts on the following topics:

Ralph Dinkle, PE - Environmental Engineering
Gita Sheth, PE - Structural Engineering
Scott Lubarsky, PE - Traffic, Highways, & Geotechnical
Ali Vaezi, PE - Transportation Engineering

New blood is always welcome! If interested in participating next year, please contact Ralph Dinkle at Ralph_Dinkle@URSCORP.com.



CALLING ALL YOUNGER MEMBERS

The North Jersey Branch of the ASCE is reaching out to our Younger Members in an effort to encourage your participation within the Branch. Younger Members have been designated by ASCE National, as those who are 35 years old or younger. They comprise an official ASCE subset called the Younger Member Group (YMG).

The YMG focuses on issues that are particularly interesting to those who have recently entered the engineering workforce. Past events have been both educational and recreational. The group provides a comfortable, networking opportunity amongst peers and colleagues.

Please consider becoming an active part of a group of future leaders. Members of this group have gone onto successful positions both within ASCE and their individual companies. If interested, please contact Scott Lubarsky or Luigi Zecchin, below.

2001-2002 YOUNGER MEMBER OFFICERS

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NJIT ENGINEERS TAKE AWARD IN NATIONAL STEEL BRIDGE CONTEST

Each year the North Jersey Branch sponsors the Steel Bridge Team from New Jersey Institute of Technology (NJIT). This year, we are happy to announce that the NJIT Steel Bridge Team captured **3rd place** in the category of "**Structural Stiffness**", which most reflects design excellence.

Students have a wide latitude in how they meet the engineering specifications, which results in distinctive and creative design solutions. The goal is to carry the load while at the same time keeping the member size and downward deflection to a minimum. This year, the NJIT entry features a low profile, segmented, wide-flange beam section that was custom-fabricated in the Civil and Environmental Engineering Department laboratories. Over the last 9 months, the NJIT team has invested hundreds of hours of time for the design and construction of their bridge.

This year's team included: Nicholas Alcuri, William Chandler, Mark Domingues, Luke Dubas, Stephanie Ann Dubyna, Tanya Feliz, Robert Laner, Frank Perrone, Chrissa Roessner, Edward Wenzel, and Rod Whitehead. The practioner-advisor of the steel bridge team is Frank Johansson and the faculty advisor is Professor John Schuring. Congratulations to all for a job well done!

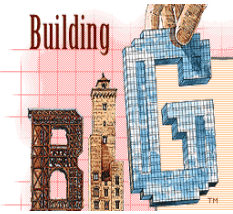
RECEPTION HELD FOR ROBERT W. BEIN, ASCE NATIONAL PRESIDENT

On July 17 members of the North Jersey Branch and New Jersey Section executive boards attended a reception held for the ASCE National President, Robert W. Bein. The reception was held at the Cornell Club in New York City.

President Bein presented an inspirational speech envisioning optimism for the industry and encouraging engineers to get involved in local politics so our concerns will eventually reach Washington D.C.. He encouraged employers and fellow colleagues to be more supportive of minorities and women in the industry. He feels that these two groups of people are untapped resources of knowledge and experience that have gone unnoticed for many years.

The following day, President Bein made a presentation in the lobby of the Empire State Building declaring the structure a "Monument of the Millennium".

ENGINEERING OUTREACH STARTS EARLY



In the past years, many of our members have brought the world of engineering and mathematics into the classrooms of their children. To support these efforts, the North Jersey Branch has invested in the "Building Big" video tape set which are appropriate for several different age groups.

These videos highlight the work of civil engineers through different projects throughout the world. For the younger students, we also have purchases coloring books, stickers, and rulers for distribution.

Anyone interested in using these classroom tools for a Career Day or similar, please contact Gareth Middleton at gmiddleton@tishman.com



Gareth Middleton explains how bridges work.

UPCOMING EVENTS

September

- 8th - Softball Tournament
- 20th - "Building 51" Dinner Seminar - see page 1

October

- Newark Construction Field Trip by Construction & Transportation Groups - Details TBA
- Environmental Seminar - Details TBA

GRADUATE COURSES

The following is a list of civil engineering graduate courses currently offered during the Fall Semester at Stevens Institute of Technology in Hoboken. If you are interested in attending any of these classes, please contact Professor Henry Dobbelaar at (201) 216-5340. Classes begin on August 27.

For a complete listing of graduate classes being offered, please go to www.stevens-tech.edu. Both matriculating and non-matriculating students are welcome.

Design & Engineering

CE 525A Engineering Hydrology
Monday 6:15 PM - 08:45 PM

CE 530A Nondestructive Evaluation
Wednesday 06:15 PM-08:45

CE 579A Advanced Reinforced Concrete Structures
Thursday 06:15 PM-08:45 PM

CE 595A Geotechnical Design
Monday 06:15 PM-08:45 PM

CE 623A Structural Dynamics
Tuesday 06:15 PM-08:45 PM

CE 660A Adv. Steel Structures
Wednesday 06:15 PM-08:45 PM

CE 685A Advanced Hydraulics
Tuesday 06:15 PM-08:45 PM

Construction Management

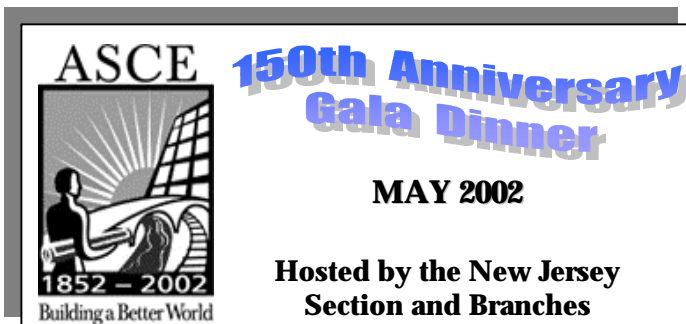
CM 506A Computer Applications in Constr.
Thursday 06:00 PM-08:30 PM

CM 509A Heavy Construction Estimating
Tuesday 06:00 PM-08:30 PM

CM 551A Construction Contract Law II
Thursday 06:00 PM-08:30 PM

CM 580A Construction Mgmt. I
Monday 06:00 PM-08:30 PM

CM 590A Construction Mgmt. II
Wednesday 06:00 PM-08:30 PM



STEVENS INSTITUTE



***American Society of Civil Engineers
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