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Tishman Construction Corp.
973-643-4007
gmiddleton@tishman.com

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Christopher J. Taylor, P.E.
SYSTRA Consulting, Inc.
973-893-6000
ctaylor@systrausa.com

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Dewberry, Inc.
201-338-9100
lmalak@dewberry-goodkind.com

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Satish Patel, P.E.
732-452-9200
Jacobs Civil, Inc.
satish.patel@jacobs.com

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201-634-9261
ramehrman@aol.com

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Booz Allen Hamilton, Inc.
973-456-5056
sheth_gita@bah.com

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Hardesty & Hanover, LLP
201-656-8810
eroman@hardesty-hanover.com

Director

Harold Deutschman, Ph.D., P.E.
New Jersey Institute of Tech.
973-596-2467
deutschmanh@adm.njit.edu

Director

Mike Murno, P.E.
Edwards & Kelcey, Inc.
212-944-2000
mmurno@ekmail.com

*American Society of Civil Engineers***North Jersey Branch Newsletter****2004 Converse - Ward Half-Day Seminar****Utilization of Solidified Dredged Sediments in Brownsfield Development**

Millions of yards of solidified soft sediments will be dredged in the next few years for use in Brownsfields development. Using completed and planned projects as case studies, the seminar will focus on the considerations and concerns in the dredging methods, stabilization solutions, and final product use in upland sites. Case studies include the Jersey Gardens Mall, Boston's Central Artery, the Linden Landfill, and Barcamp (PA). Practicing civil, geotechnical engineers, environmental engineers, planners, contractors, government officials, and students will benefit from this seminar.

PANELISTS AND SPEAKERS:**Engineering & Environmental Considerations:**

Peter Dunlop, for PANY&NJ; Issa Oweis, Converse Consultants; and,
Vahan Tana, Parsons Brinckerhoff

Dredging: Jim Thomas, Bean Stuyvesant**Solidification & Placement:** Steve Sands, Clean Earth

DATE & TIME: Thursday, March 18, 2004. 3:30 to 8:30 pm, including dinner.

LOCATION: The RADISSON Hotel, Route 46 East, Fairfield, NJ. 973.227.9200.

COST: \$55 ASCE & SAME members, \$40 Govt. empl. or FT students w/ ID.

RSVP by 3/11: Gita Sheth at sheth_gita@bah.com or 973-456-5056.

Structural Technical Group Half-Day Seminar**Learning From Failures of Bridges and Buildings**

This exciting afternoon workshop will help us to learn from previous failures, so that we can prevent future tragedies. Come join us for an exciting and informative discussion.

PANELISTS AND SPEAKERS:**Collapse of Buildings:**

Mr. Manny Velivasakis, P.E., Principal, LZA Technology Inc.

Failures During Construction:

Robert Ratay, Ph.D., P.E., Consultant

Why Bridges Fail

Bernard Haber, P.E., Partner, Hardesty & Hanover

DATE & TIME: Thursday, March 25, 2004. 12:30 to 5:30 pm, including buffet lunch

LOCATION: Gateway Hilton, Newark, NJ. Call 973-622-5000 for directions.

COST: \$55 ASCE members, \$40 Govt. employees or FT students with ID.

RSVP by 3/18: Gita Sheth at sheth_gita@bah.com or 973-456-5056.

PRESIDENT'S ADDRESS

It is obvious to those of us working within the transportation sector just how critical the next few months are for the future of this state's infrastructure. While Congress and the White House continue to battle over what will surely be a record-breaking reauthorization of the soon to expire TEA-21 bill, our state agonizes over how to best utilize its dwindling Transportation Trust Fund. Last November, Transportation Commissioner Letierre issued a report that contained some absolutely staggering figures. To support its projected growth, New Jersey will require \$4.8B a year to repair and expand its highways, bridges, and public transit systems. Another \$7B will be needed over the next decade to repair or replace all of our substandard bridges. Other needs include \$80M a year for highway safety and upwards of \$50M for aviation and maritime funding. Even with the unsurpassed level of funding that is expected to be appropriated on Capitol Hill, our state will need to immediately replenish or at least maintain the Trust Fund so that a further decline in condition can be avoided.

The New Jersey Section of the American Society of Civil Engineers believes that Governor McGreevey took the appropriate step last year in creating a Blue Ribbon Transportation Commission to study New Jersey's transportation issues and make recommendations as how to best address them. Unfortunately, shortly after the Commission issued a recommendation for a constitutionally supported gas tax increase, Governor McGreevey dropped his support of such an increase and directed his transportation commissioner to go back through his budget, find savings, reduce costs and bureaucracy, and re-prioritize the most important safety and congestion projects. This we do not support. At a transportation conference attended by over 1,000 people in Trenton last month, the governor re-affirmed his commitment to New Jersey's transportation system, but in drastic contrast to the previous year's upbeat theme "Keep New Jersey Moving," this year's event begged the question, "Where Do We Go from Here?"

Our society prides itself on being at the forefront of issues that affect the safe and efficient use of our nation's infrastructure. We also must have a voice at the various other state, county, and municipal levels. I urge you to contact the governor, his cabinet, and the New Jersey State Legislature on issues as important as the Transportation Trust Fund Renewal and Privatization Legislation. Please contact me at gmiddleton@tishman.com if you would like further information on how to get involved in these efforts.

A Town Hall Meeting for the Greater New York Area
America's Infrastructure: Rebuilding Our Economic Backbone

Sponsored by the American Society of Civil Engineers & the American Public Works Association

WHEN: Friday, March 5, 2004 – 1 p.m. – 3 p.m.

WHERE: New York Marriott Financial Center, 85 West Street

WHY: While Congress continues to wrestle with the task of reauthorizing the Transportation Equity Act (TEA) for the 21st Century, deteriorating transportation systems continue to cost America's communities millions of dollars. From highways to urban transit, this legislation will decide the apportionment of billions of federal dollars for infrastructure to states and cities. What will this mean for New York and the metropolitan area?

Join local civil engineering and public works leaders in a discussion on America's pressing infrastructure needs, especially surface transportation, as documented by ASCE's Report Card for America's Infrastructure, issued in March 2001 and the Progress Report for America's Infrastructure, released in September 2003. The report card assigned our nation's infrastructure a grade of D+ and estimated that \$1.3 trillion dollars would be needed for improvements in the next five years.

Speakers: Robert Dennison, Region 8 Director, New York State Department of Transportation

Barry Feldman, P.E., Manager of Facility Condition Surveys, Port Authority of New York and New Jersey

Ronald C. Delo, P.E., D.E.E., Executive Director, Rockland County Sewer District No. 1 Solid Waste Management Authority

Patricia D. Galloway, P.E., ASCE President

William A. Welsh, Jr., P.E., ASCE Vice President

This event is FREE of charge, but advance registration is required, to RSVP, e-mail townhall@asce.org

NORTH JERSEY BRANCH TECHNICAL GROUPS

Join one of these groups and get involved with others in your field of interest. Whether you just want to get together, help out, or have ideas and speaker contacts, we are always interested in new members and future leaders.

For more information, contact Gita Sheth, chair of technical committees, at sheth_gita@bah.com OR contact any of the individuals listed below:

STRUCTURAL GROUP

Ken Clausen – 908-272-5021
kenneth.clausen@comcast.net

TRANSPORTATION GROUP

Thomas Ott - 973-353-7628
OttT@PBWorld.com

WATER RESOURCES GROUP

Arif R. Malick – 908-534-4995
malick@malickandscherer.com

ENVIRONMENTAL GROUP

Sam Ezeldin – 718-446-7000
SEzeldin@TullyEnvironmental.com

CONSTRUCTION GROUP

Luigi Zecchin 201-398-4391
LZecchin@PIRNIE.COM

PROFESSIONAL ISSUES GROUP

Tony Pecci – 201-438-6166
apecchi@dewberry-goodkind.com

GEOTECHNICAL GROUP

Jay Meegoda – 973-596-2464
meegoda@njit.edu

Job Posting – Engineers Needed**Movable Bridge/Heavy Machinery Design**

Bergmann Associates, an ENR Top 500 E/A consulting firm located in Hoboken, NJ, has excellent opportunities in the following engineering disciplines: electrical, mechanical, and civil (bridge). Candidates must have demonstrated expertise in movable bridge or heavy machinery design and must be P.E. licensed in NJ and/or NY. EOE.

For confidential consideration, please forward resume and salary requirements to:

JO # 2004-02 Bergmann Associates
44 Hudson Place Hoboken, NJ 07030
or e-mail to resumes@bergmannpc.com

Student Affairs Committee Update

The Student Affairs Committee is in contact with the ASCE student chapters of local colleges and universities. The goal is to help civil engineering student members through our new summer internship program.

The internship program helps students kick start their careers during the summer recess. The program is beneficial to both students and employers, providing students with a taste of the profession and filling an employer's need for qualified interns.

We also help students by inviting guest speakers in their area of interest to speak at student chapter meetings about real life engineering problems and solutions. A few recent requests from students included speakers on construction, including field visits to construction sites, storm water management and water resources, new methodologies, and innovation in structural design.

Please consider participating in one or both of these programs. Your interest and participation is a small investment that can lead to great rewards.

My name is Michael Murno, Committee Chairman, and I would welcome your participation. If you can help, please contact me at (212) 944-2000, or by email at mmurno@ekmail.com.

Meet Your Board Members

Christopher Taylor is president elect of the North Jersey Branch of the American Society of Civil Engineers. He has also been involved with the Transportation Technical Group for the past seven years, serving twice as its Chairman. As president elect, Chris is also responsible for this publication, as he is the newsletter editor.

As track engineering manager at SYSTRA Consulting, Inc., he focuses on the design of transit infrastructure for light rail, commuter rail, and freight. He has lead engineering for a variety of long range planning projects and environmental reviews, including the Second Avenue Subway. He is a licensed engineer in NY and NJ.

Spending time with his family, skiing, hiking, and working around the house are his favorite pastimes. If you have any questions, comments or want to know more, please e-mail him at ctaylor@systrausa.com.



Eugenia Roman is a long standing member of the branch board, currently serving as second past president of the North Jersey Branch of ASCE. She is also the scholarship chairperson and serves as a member of the ASCE National Technical Activities Committee (TAC).

Eugenia is a project engineer for Hardesty & Hanover, LLP, in Hoboken, NJ. She graduated from Stevens Institute of Technology (Hoboken, NJ) in 1996 with a B.E. in civil engineering. She is currently a graduate student at Stevens Institute of Technology pursuing a doctoral degree. Her research project, focusing on integral abutments and High Performance Steel (HPS), is the first NJDOT-sponsored project for the university.

If you have any questions, comments, or want to know more about Eugenia Roman, please e-mail her at eroman@hardesty-hanover.com.

Is your firm or company interested in hiring summer interns?

Please contact our Student Affairs Chairman, Mike Murno at 212-944-2000 or mmurno@ekmail.com to obtain further information about how you can jump start an energetic student's civil engineering career while helping meet your project demands.

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Rescheduled Structural Technical Group Dinner Seminar

BLAST AND THE ART OF PROTECTIVE DESIGN

While terrorism is a relatively new concept in U.S. history, it is one of the oldest means of aggression. The impact of terrorist acts on structures has not necessarily been in the forefront of structural design, but over the years Protective Design or Anti-Terrorist Hardening of Buildings has made significant advancements in an attempt to protect people and essential assets from these malevolent actions. These topics will be presented and discussed at this highly fascinating forum.

SPEAKERS: **Tod Rittenhouse, PE**, Managing Partner of Weidlinger Associates' NY Structural Division. Mr. Rittenhouse is responsible for the firm's Protective Design projects, including DOS, GSA and DOD projects.
Huston Dawson, PE, Senior Engineer with Weidlinger Associates' NY Structural Division, has worked on Protective Design for DOS, GSA and DOD projects. Mr. Dawson is a member of the Blast Hazard Mitigation for Fenestration Systems Working Group, the Protective Glazing Council, ASCE and SEAoNY.

DATE: **April 7, 2004** (Rescheduled from Wednesday, January 28, 2004)

TIME: Registration at 5:30 PM, dinner and presentation to follow.

LOCATION: The Newark Club, One Newark Center, Newark, NJ
 973-242-0658 <http://www.newarkclub.com/directions.html>



You are invited to the:

Second Annual NJIT Alumni Breakfast

Civil and Environmental Engineering Department
 3730 Guttenberg Information Technologies Building

Come hear Patrick J. Natale, ASCE National Executive Director, and NJIT Graduate of the Class of 1970.

Thursday, March 25, 2004 from 8 am to 10:00 am. Breakfast is complimentary.

For reservations contact: Kelly Jeune at 973-596-8513 or jeune@njit.edu

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Scholarships Applications Due March 31st !

Applications for the North Jersey Branch's 2004-2005 college scholarships and the AMF and Ridgeway awards are available on the branch's website at <http://branches.asce.org/northjersey>.

Three \$1,500 scholarships are available to qualified civil engineering students in their junior year who attend the New Jersey Institute of Technology, Stevens Institute of Technology, or Farleigh Dickinson University's Construction Technology Program. Additionally, two \$1,000 scholarships are available to high school seniors who intend to pursue a college degree in Civil Engineering. For more information, please contact Eugenia Roman at 201-460-4897 or email her at eroman@hardesty-hanover.com.



TTG April Half-Day Seminar

Planning is underway for the Annual Transportation Technical Group (TTG) Half-Day Seminar to be held at the Newark Club in Newark, New Jersey. As always, the TTG addresses timely topics of interest, inviting speakers from an array of regional owners to discuss planned projects or projects currently under construction.

Safety & Security: Trends & Concerns in Airports and Mass Transit Systems

TTG Committee Members are pursuing guest speakers from multiple local NJ and NY agencies to discuss post 9-11 safety trends for major transportation systems. Our members want to know what we are doing to upgrade, design, and increase safety and security. Stay tuned for more information. Seminar planned for late April.

Future Cities Update A Judge's Story...

On Saturday, January 31, I was fortunate enough to be a judge for the Future Cities competition at Rutgers University in New Brunswick, NJ. This is a competition to foster interest in engineering, math and science through hands-on, real world applications. This was the first event of its kind in NJ. To learn more about this event, go to www.futurecity.org.

There were over 50 groups competing for the chance to represent the state of NJ in Washington D.C., and I was excited to have a role in determining the outcome. At the competition, students work with the SimCity software to develop a city, write an essay, and build a scale model of a portion of their city. You would not believe what some of these 12 and 13 year olds accomplished both in building a model and in their speaking ability during their presentations.

Unfortunately, I was only able to judge a handful of the groups, as there were far too many for every judge to be able to see all of the models. But for anyone looking to give back to the engineering community, I urge you to look into being an engineering mentor to a competing school or to donate a day's time to be a judge. It is recommended that all schools have a mentor, but it is not required for competition.

I have asked a few of the groups to display their models during Eweek at the Liberty Science Center, so please come out and get a first-hand look at what some potential future engineers are doing!

Scott Brian Lubarsky, PE – EarthTech
scott.lubarsky@earthtech.com

Way to Go, Scott!



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Fax 973.622.6030
Email adelle@etcpc.com



American Society of Civil Engineers
North Jersey Branch

Christopher J. Taylor, P.E.
c/o SYSTRA Consulting, Inc.
1515 Broad Street
Bloomfield, NJ 07003



Upcoming Events!

March 18 – Converse Ward Lecture
Half-Day Workshop on Utilization of Solidified Dredged Sediments in Brownsfield Development

March 25 – STG Half Day Seminar
Learning from Failures of Bridges and Buildings

March 25 – NJIT Annual Alumni Breakfast
Guttenberg Information Technologies Building

April 7 – Rescheduled STG Dinner Seminar
Blast and the Art of Protective Design, The Newark Club, Newark, NJ

April – TTG Half Day Seminar
Safety and Security at Transportation Facilities, The Newark Club, Newark, NJ
Stay Tuned for more info