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**NORTH JERSEY BRANCH**

THE WATER RESOURCE GROUP PROUDLY PRESENTS

THE KIPINGI WATER PROJECT ENGINEERS WITHOUT BORDERS

Mr. Christopher Kohr and Mr. David Haas Northern New Jersey Professional Chapter

Engineers Without Borders (EWB) was formed in 2002 by University of Colorado Civil Engineering Professor Bernard Amadei. It currently has over 12,000 members and 250 dedicated chapters working on over 350 projects in over 45 developing countries. The Northern New Jersey Professionals Chapter (EWB-NNJPC) has been assigned a project in Kippingi, Kenya to provide clean drinking water to a village of approximately 1,500 people. This presentation will discuss the role of EWB-NNJPC in providing assistance with design, implementation, water quality/environmental control, funding and education to the community.

Speakers: Christopher Kohr is a field engineer for Skanska Civil Northeast in New York City. Christopher graduated in 2005 with a B.S. in civil engineering and a business minor from Penn State University. His internship experience involved inspection with the Pennsylvania Department of Transportation and engineering consulting with Penn State University's Office of Physical Plant and ARRO Consulting in Lancaster, PA. While at Penn State, he was involved with Engineers for a Sustainable World (ESW) for two years. After graduation Chris worked for Langan Engineering where he spent approximately one year as a designer in a site development group then transferred to a geotechnical group in 2007.

David Haas teaches Math at Farleigh Dickinson University. He has over 20 years of industrial experience at varying levels of responsibility in opto-electronic and electronic materials research and development. He has a Ph.D. in Electrical Engineering from The University of California (Berkeley) and a BS degree in Engineering Physics from the University of Illinois (Urbana).

Date/Time: Thursday, November 18, 2010
Registration - 5:30 pm

Dinner and presentation to follow

Location: La Quinta Inn & Suites
38 Two Bridges Road, Fairfield, NJ 07004
(973)575-1742

Cost: \$60 for ASCE member, \$65 for nonmembers, \$35 for full time students.

Register: RSVP by November 12, 2010. Please register at our new website <http://www.ascenorthjerseybranch.org>

PDH Credit: One (1) PDH will be awarded upon completion.

PRESIDENT'S ADDRESS



Greetings North Jersey Branch Members.

I consider myself a very optimistic person – I always see a glass as half full rather than half empty. Still there is not much to cheer about these days. Days are shrinking as well as construction budgets. At a recently concluded Construction Forecast Seminar by New Jersey Alliance for Action, the revised estimate for two years (2011 and 2012) of public and private construction in New Jersey would be about \$25.2 billion, i.e., down by \$11 billion or 30%. Out of that the most important item was the cancellation of ARC tunnel project, an \$8.7 billion project. In addition, it is my understanding that the Transportation Trust Fund in New Jersey will run out of money in 2011. So, where do we go from here?

On the optimistic side, we had a great evening with the Professional Issues Technical Group (PITG) dinner meeting on October 21, 2010 at LaQuinta Inn & Suites. Around 45 attendees participated to listen to Peter Liloia, III speak about legal issues in design and construction management. PITG Chairman Tom Beke and his team organized the event. Congratulations to Tom and his team for a job well done. Also, I would like to thank all the attendees for your active participation.

Our next scheduled meeting is The Kipongi Water Project coordinated by the Engineers Without Borders (EWB). The meeting is scheduled for Thursday, November 18, 2010 at LaQuinta Inn & Suites. Chris Kohr and David Haas will be discussing a project in Kipongi, Kenya to provide clean drinking water to a village of approximately 1,500 people. Details of the program and registration information are provided in our website: www.ascenorthjerseybranch.org.

Also, ASCE NJB is sponsoring a full-day event on “Design and Construction of Steel Sheet Piling Structures” on Wednesday, December 1, 2010 at Weeks Marine Training Facility in Cranford, NJ. Dr. Richard Hartman will be covering topics ranging from design concepts to practical field problems, through recent product advancements in the design and manufacturing of steel sheet piling. Details of the program and registration information are provided in our website: www.ascenorthjerseybranch.org.

On average, ASCE NJB funds about \$5K to \$7K for scholarships to high school and undergraduate students. Currently, our revenue sources for scholarship fund are members’ contributions and proceeds from dinner meetings. Also, we are in the process of introducing a 50/50 raffle to generate funds. Any corporate donations to our scholarship fund would be most welcome. Considering the current economic climate, I do not think donations will be a viable source. However, we could look into it after a few years when the economy becomes stable. Anyway, I would like to request that corporations think about donating to our scholarship fund. Any help would be highly appreciated. Also, if you have any other ideas on how to increase revenue for our scholarship fund, please share it with us.

Lastly, I would like to wish you all an enjoyable Thanksgiving. Also, if you are interested in joining our Board, please let me know or send me an e-mail. We always need help with our various programs.

Best wishes,

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

Legal Issues in Design and Construction Management



The presentation was coordinated by the Professional Issues Technical Group (PITG). Chairman of PITG, Tom Beke of the Port Authority of NY/NJ and his team organized the event which drew about 45 attendees to listen to Peter Liloia, III speak about the Engineer's Warranty to the Contractor regarding adequacy of the design and the effect of incomplete, ambiguous or incorrect design documents. Peter started the presentation with the Spearin Doctrine (United States vs. Spearin, 1918) which was a case of inadequate design. Spearin was awarded a contract to construct a dry dock at the Brooklyn Navy Yard. As a part of the contract, a six-foot diameter brick storm sewer was relocated. The storm sewer was not adequate to handle heavy stormwater flow, and burst under pressure of heavy rains, flooding the drydock excavation and causing extensive damage. Spearin asked the Owner to accept liability for the flood damage and the cost of repairing the storm sewer which resulted litigation. The US Supreme Court stated that the Owner warrants the adequacy and accuracy of the plans and specifications it furnishes to the contractor, and the contractor is entitled to rely on the same. Accordingly, Spearin was awarded damages for the cost of work performed plus anticipated profits. Subsequently, Peter presented review of case laws, contract language and mitigation measures.

Peter holds a civil engineering degree from Princeton University and a law degree from Boston University. He has 25 years of experience in public and private construction and heads his own firm in construction and engineering contract law, claims, alternate dispute resolution, training, mediation and arbitration. He conducts seminars and private workshops and is an instructor for ASCE.

Considering the size of the attendees, LaQuinta arranged the presentation at the Mavi Lounge with an excellent choice of food: lamb chop as appetizer, Mediterranean rice with chicken & beef shish kabob, vegetables and finally freshly prepared Bakhlava with coffee/tea. To tell you the truth it was fabulous.

NORTH JERSEY BRANCH TECHNICAL GROUPS

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

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ASCE NORTH JERSEY SECTION GEO-INSTITUTE and SEI PROUDLY PRESENT:

DESIGN AND CONSTRUCTION OF STEEL SHEET PILING STRUCTURES SEMINAR

Richard Hartman, Ph.D., P.E.
Hartman Engineering



The Design and Construction of Steel Sheet Piling Structures Seminar is a one day class covering topics ranging from design concepts, to practical field problems, through recent product advancements in the design and manufacturing of steel sheet piling.

The seminar will be presented by Richard Hartman, Ph.D., P.E., a leading international expert in the design and construction of steel sheet pile structures. Dr. Hartman is licensed as a professional engineer in 38 states and has over 40 years of experience in the subject. For the past 15 years he has been involved in the research and design of new sheet pile sections and, based on that research, holds four patents for sheet piling sections.

Seminar Content

- Design parameters, layout, and construction considerations for cellular cofferdams
- Design and construction considerations for bulkheads, open cell designs and combination walls
- Design and construction considerations for cofferdams and trenches.
- Properties of steel sheet piling, changes in steel pile manufacturing, concerns regarding performance, transverse loads, stresses in sheet piling, and redesign of sheet piling sections
- Review of design software for steel sheet piling structures
- Questions, answers and conclusions

Date: **December 1, 2010**

Time: 8:00 a.m. to 5:00 p.m.

Place: **Weeks Marine
Training Facility Room
4 Commerce Drive
Cranford, NJ 07016**
Tel: 908-272-4010 (Main)
Fax: 908-272-8957

Format: One Day Seminar, Business Casual Attire

Registration Link:

<https://ascenorthjerseybranch.org>

Includes: Course Reference Materials, Certificate for 7 Professional Development Hours (Seminar is IACET certified for 0.7 Continuing Education Units), Lunch and Two Breaks

Cost: \$200 before Nov 8, 2010
\$300 after Nov 8, 2010
\$ 50 for Student Members

RSVP: Nov 8, 2010 Early Bird Registration
Nov 29, 2010 Final Deadline Registration

Contact: Richard Morales **678.714.6730 x103**
Email: RMorales@LBFosterCo.com



North Jersey YMG Hockey Night



VS



**Come see the New Jersey Devils faceoff against the Detroit Red Wings!
Enjoy discounted tickets, meet fellow YMG members, and cheer on your favorite team!**

All are welcome!

When: Saturday, December 11, 2010. Puck drops @ 7:00pm

Where: Prudential Center, Newark, New Jersey

Cost: \$48 Mezzanine/Balcony (ticket value \$59)

To purchase tickets, visit newjerseydevils.com/asce

Use special offer code – **asce**

Questions? E-mail Steve Pylypchuk, ASCE YMG Vice-President at spylypchuk@rbagroup.com

If you have any questions in regards to tickets please call, Jake Rinaldo, Devils Group Sales, at 973 757-6167 (M-F, 9-5).

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