



# The Drawingboard

## Queens Chapter

New York State Society of Professional Engineers

February 2007

Volume 7, Number 2

### SPECIAL eWeek ISSUE



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### President's Message

By Brian E. Flynn, P.E.  
President

#### Engineers: Turning Ideas Into Reality.

February 18th to the 24th is National Engineer's Week. It celebrates the simple truth that Engineers make a world of difference. **President Bush** states "This week is an opportunity to recognize engineers for their many contributions to our way of life and to encourage young people to pursue their curiosity by studying math and science." The 110th Congress, House of Representatives passed House Resolution 59 which states:



*" . . . engineers use their professional, scientific, and technical knowledge and skills in creative and innovative ways to fulfill society's needs; . . . engineers have helped meet the major technological challenges of our time - from rebuilding towns devastated by natural disasters to designing an information superhighway that will speed our country into the future; . . .".*

#### Mayor Bloomberg Proclaimed:

*"The Big Apple's residents are famously busy, so we can be forgiven if we do not always appreciate Engineer's relevance to our daily routines. However, from the workplaces in the buildings that comprise the globe's most breathtaking skyline . . . to mobile phones and information technology that help business people maintain our status as an*

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Secretary  
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[\(President's Message – cont'd\)](#)

*international financial capital . . . to world class public transportation system that moves our citizenry to work, recreation and home with unparalleled efficiency . . . Engineer's creativity, hard work and intelligence underlie nearly every aspect of New Yorker's lives. . . "*

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### Directors 2005-2007

The Queen's Chapter is celebrating Engineering Week with a day of public seminars at Fort Totten on February 22. Our very own State **Senator Padavan** will kick off the event at 9 AM. Please make time to be there at least for the opening, if not for the whole day. **George Tavoulareas** has been hard at work organizing the program. It includes a presentation by the Mayor's office discussing the NYC:2030 sustainability program. The complete schedule is attached.

The public is also welcome to attend.

I also wish to congratulate **Robert LoPinto**, P. E. for the excellent MathCounts competition that was run at JHS 189 this month. City **Councilman John Liu** came and spoke to the students and teachers, commending their achievements and encouraging their efforts.

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## 2007 Chapter Meeting Schedule

### Mark Your Calendar

For your convenience the Queens County Chapter NYSSPE meeting schedule is provided below.

Directors' meetings and general meetings are held on the second and fourth Thursdays of each month except November and December meetings which will be held on the first and third Thursday of the month due to holidays. So mark your calendar. The schedule is as follows:

#### Directors' Meeting (6:30 PM)

February 8, 2007  
March 8, 2007  
April 12, 2007

#### Membership Meeting (6:30PM)

February 22, 2007  
March 8, 2007  
March 26, 2007

|                           |                |
|---------------------------|----------------|
| Alex Constantinides, P.E. | (718) 707-0416 |
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|                            |                         |
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## Upcoming Meeting Information

### **Engineer's Week Activities ALL DAY**

***See attached Flyer***

### **Our Next Chapter Meeting**

***Thursday February 22, 2007 – 6:30 PM***

This month's sponsor is 3M's [Mr. Glen Schilling](#), Government Transportation Safety Specialist for [3M's Traffic Systems Safety Division](#).

Issues to be discussed include:

- Traffic Safety Systems
- Signage
- Pavement Markings
- Federal 2007 Manual of Uniform Traffic Control Devices (FHWA MUTCD)

### ***Location:***

**[422 Weaver Ave., Fort Totten, New York](#)**

Continuing Education certificates will be issued for attending the lecture.

## Legislative Update

### **City Council Approves "Self-Certification"**

A legislative package strengthening the regulation of New York City's building project "self certification" program was passed yesterday by the City Council Sponsored by Council Member James Vacca et. al,

The first measure would allow the City to sanction architects and engineers who falsely certify that building permit application plans are compliant with the building code and zoning restrictions (Int. No. 309-A). Specifically, the City would be

**[\(Continued next page\)](#)**

## Chapter Seeks Donations to PDC Library

The Queens Chapter is still seeking donations of books for the Professional Design Center Library

Queens Chapter President Brian Flynn would like all to know that the Professional Design Center Library is still in need of Books, Magazines and other materials. The Queens Chapter is asking all members to donate any reference material, such as textbooks, catalogs and product literature that they can.

### Please Note:

Members are advised that the Queens Chapter meeting on Thursday, February 22<sup>nd</sup> 2007 will be held at our Fort Totten office. At the Fort Totten gate tell the guard you are a member of the P.E. Society and that your name is on the list that they keep there. Any non-members and guests not placed on the list will be denied entrance-If this happens the guest should ask the guard to call the phone number on the membership list. A board member will then come down to bring the guest in

[\(Legislative Update – cont'd\)](#)

allowed to rescind the self-certification privileges of architects or engineers who knowingly or negligently certified an application or plan that contained false information or did not comply with all applicable laws. In addition, self-certification privileges could be rescinded if an architect or engineer has submitted two professionally certified applications within any twelve month period that either led to revocation of a permit or otherwise demonstrated incompetence or a lack of knowledge of applicable laws

The second bill, requires the Department of Buildings to review all plans certified by an architect or engineer who has been placed on probation by the state (Int. No. 308-A).

Both bills now go to Mayor Michael Bloomberg for consideration.

The above article was originally published by *This Week in New York*

*Covering New York State and City Government*

**A Publication of Pitta Bishop Del Giorno & Dreier LLP**

**February 2, 2007 Edition**

<http://www.govaffairspro.com/other/february2.pdf>

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## Mathcounts 2007

*by Robert A. Lo Pinto, P.E.*

The Queens Chapter - NYSSPE held its annual MATHCOUNTS Competition on Saturday, February 10<sup>th</sup>, at JHS 189, Flushing. Thirteen schools from Queens registered in the MATHCOUNTS Program competed in the competition. One school, for religious reasons, competed earlier in the week. MATHCOUNTS is a Math skills building and competition for 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> grade students, sponsored by the National Society of Professional Engineers, the CNA Foundation and the National Council of Teachers of Mathematics. Competitions are held at the local Chapter level, followed by a State competition. The top individuals from the State competition then compete at the National Competition, which is being held in Fort Worth, TX this year. The top winners of the National Competition can win college scholarships.

Teams of 4 students and up to 4 individuals from the schools spent about 3 hours taking various written and oral tests. There was a 40 minute, 30 question written individual test, followed by four sets of two written questions to be answered in 6 minutes

[\(Continued next page\)](#)

## Computer and Office Donations Needed

Is your firm or company updating its computer or other office equipment and planning to get rid of the older systems? If so, please consider donating such equipment to the Queens Chapter of the NYSSPE.

The Queens Chapter is seeking donations of computer and office equipment. For more information contact Brian Flynn, Queens Chapter President at 718-539-2649

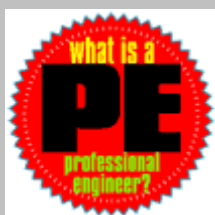
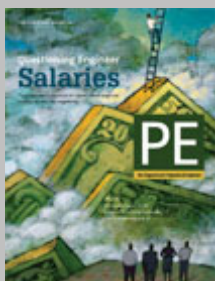
[\(Mathcounts – cont'd\)](#)

each set. This was followed by a 20 minute, 10-question team test, where the 4 team members worked together to answer the questions. There was also an oral/written countdown round, where the top 8 individual finishers competed head to head for top honors.

Results are tabulated below:

| <b>TEAM FINALISTS</b>       |   |
|-----------------------------|---|
| <b>1<sup>st</sup> Place</b> | <b>MS 216 – George J. Ryan MS</b><br><i>Rose Cosenza, Coach</i><br>Patrick Lee<br>Elwin Ng<br>Elena Slobodyan<br>Zoe Wu |
| <b>2<sup>ND</sup> Place</b> | <b>MS 158 – Marie Curie MS</b><br><i>Jeff Kralstein, Coach</i><br>Caroline Lam<br>Dennis Liang<br>Dong Rim              |
| <b>3<sup>RD</sup> Place</b> | <b>MS 74 – Hawthorne MS</b><br><i>Brian Annello, Coach</i><br>Shanna Chen<br>Bryan Hu<br>Christopher Jou<br>Kevin Peng  |

[\(Continued next page\)](#)



| TOP INDIVIDUAL FINALISTS |                 |         |
|--------------------------|-----------------|---------|
| RANK                     | NAME            | SCHOOL  |
| 1                        | Kevin Peng      | MS 74   |
| 2                        | Zoe Wu          | MS 216  |
| 3                        | Christopher Jou | MS 74   |
| 4                        | Mason Zhu       | JHS 185 |
| 5                        | Shanna Chen     | MS 74   |
| 6                        | Elena Slobodyan | MS 216  |
| 7                        | Elwin Ng        | MS 216  |
| 8                        | Dong Rim        | MS 158  |

| ORAL COUNTDOWN ROUND FINALISTS |            |         |
|--------------------------------|------------|---------|
| RANK                           | INDIVIDUAL | SCHOOL  |
| 1                              | KEVIN PENG | MS 74   |
| 2                              | MASON ZHU  | JHS 185 |

The competitions went off without a hitch, thanks to the help of the Team Coaches, and the Chapter members. NYC Councilman John Liu spoke to the students and coaches between the individual and team rounds. At the end of the competition, an awards ceremony with Chapter **President Brian Flynn, PE** was held, and the trophies were presented to the Queens Chapter winners. Robert A. LoPinto, PE, Past Queens Chapter President and MATHCOUNTS Coordinator set up the day's events and ran the Countdown competition. Chapter Members **Sal Galletta, PE**, George Tavoulareas, PE, **John Sgouros, PE**, assisted in the competition. In addition to the Team Coaches, who assisted with the scoring, **Shaina Slonim** and **Toby Pagano** volunteered their help through the national [VolunteerMatch](#) organization.



## Please Note

The November General Membership Meeting will be held on February 22<sup>th</sup>, 2007 immediately following eWeek celebrations.

# Profile of an Engineer

by Brian E. Flynn

## Gregory G. Georges, P.E.

February 2nd, 2007 has been proclaimed Gregory G. Georges, Professional Engineer Day by Queens **Borough President Helen Marshall**. Gregory has been honored at the Pan-Macedonian Studies Center First Annual Testimonial Dinner that was held earlier this month. The First Annual Testimonial Dinner was held to present the **Philippion Award** honoring Mr. Gregory Georges and Mr. **Peter Xenopoulos** for their outstanding efforts and contribution to the Hellenic American Community.



Gregory and his wife Helen have two sons Georgios and Vassilios. Gregory received his Bachelor of Science degree in Architectural Engineering from the University of Pisa, Italy, June 1974. He went on to earn his Bachelor of Science in Civil Engineering, Summa Cum Laude, from Polytechnic Institute of New York in June 1983. He earned his Master of Science degree in Civil Engineering from Manhattan College for (Structures in July 1986. Gregory was also a Ph.D. Candidate at Columbia University.

Professionally, Gregory has been involved in many organizations including the *American Society of Civil Engineers*, the *American Concrete Institute*, the *American Society of Steel Construction* the *Prestressed Concrete Institute* and the Queens Chapter of the NYSSPE. Gregory is also the Past Vice-Chairman of the Structural Committee of ASCE, New York Chapter. Gregory has been a long time supporter of the Queens Chapter and is a Director, serving from 2006 to 2008.

Professionally, Gregory has been involved in the analysis and design of various structures ranging from commercial and industrial buildings to health facilities and hotels. In addition to the design of new structures, Mr. Georges has extensive experience in the renovation of existing structures. One of Gregory's achievements includes among other things a project in Tampa, FL for the [Tampa Bay Performing Arts Center](#), a four (4)-

[\(Continued next page\)](#)

*(Profile of an Engineer – cont'd)*

theater complex containing restaurants and shopping area. The total project created 600,000 Sq.Ft of commercial space that cost \$56 Million, 1983.

We wish to congratulate Gregory for his professional achievements and community involvement.



### Hotline for Members

Are you an NSPE member with a question about engineering ethics, licensure, or law? If so, call 888-285-NSPE (6773) or e-mail [legal@nspe.org](mailto:legal@nspe.org). Please provide your 9-digit NSPE member number.

## Useful websites for Engineers:

|   |  |
|---|--|
| <b>National Society of Professional Engineers</b>               | <a href="http://www.nspe.org">www.nspe.org</a>                           |
| <b>New York State Society of Professional Engineers</b>         | <a href="http://www.nysspe.org">www.nysspe.org</a>                       |
|   |  |
| American Institute of Architects                                | <a href="http://www.AIA.org">www.AIA.org</a>                             |
| American Engineering Alliance                                   | <a href="http://www.aeaworld.org">www.aeaworld.org</a>                   |
|   |  |
| American Institute of Chemical Engineers                        | <a href="http://www.aiche.org">www.aiche.org</a>                         |
| American Society of Automotive Engineers                        | <a href="http://www.sae.org">www.sae.org</a>                             |
|   |  |
| American Petroleum Institute                                    | <a href="http://www.api.org">www.api.org</a>                             |
| American Society of Civil Engineers                             | <a href="http://www.asce.org">www.asce.org</a>                           |
|   |  |
| American Society of Engineering Education                       | <a href="http://www.asee.org">www.asee.org</a>                           |
| American Society of Heating, Refrigeration and Air Conditioning | <a href="http://www.ashrae.org">www.ashrae.org</a>                       |
| American Society of Mechanical Engineers                        | <a href="http://www.asme.org">www.asme.org</a>                           |
| American Society of Plumbing Engineers                          | <a href="http://www.aspe.org">www.aspe.org</a>                           |
|   |  |
| American Welding Society  | <a href="http://www.aws.org">www.aws.org</a>                             |
| Society of Petroleum Engineers                                  | <a href="http://www.spe.org">www.spe.org</a>                             |
| Society of Fire Protection Engineers                            | <a href="http://www.sfpe.org">www.sfpe.org</a>                           |
| Institute of Electrical and Electronics Engineers, Inc.         | <a href="http://www.ieee.org">www.ieee.org</a>                           |
|   |  |
| City of New York  | <a href="http://www.nyc.gov">www.nyc.gov</a>                             |
| NY State Senate   | <a href="http://senate.state.ny.us">senate.state.ny.us</a>               |
| NY State Assembly   | <a href="http://assembly.state.ny.us">assembly.state.ny.us</a>           |
| NY City Council   | <a href="http://nyccouncil.info">nyccouncil.info</a>                     |
| The White House   | <a href="http://whitehouse.gov">whitehouse.gov</a>                       |
|   |  |
| Ed Turner<br>Responsible Charge                                 | <a href="http://www.responsiblecharge.com">www.responsiblecharge.com</a> |

## Mathcounts photo gallery:



The mathletes in competition during MathCounts







Bob LoPinto PE, Brian Flynn PE and Councilman John Liu along with students in the MathCounts competition

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## Order Form

The Queens Chapter of the National Society of Professional Engineers will publish the chapter's 2006 Annual Membership Directory. Our members are found in key government agency positions, as well as senior and partner positions in private engineering firms, which design, specify and consult on Construction projects throughout the Metropolitan area. When they need to find a source for specific requirements they turn to their annual Queens NSPE Membership Directory. Now you and your firm can reach these key decision making individuals when they are looking for your services by placing an ad in the up coming 2006 Queens NSPE Membership directory.

Attached is an order form to place an advertisement in the 2006 Membership Directory.

In addition to our annual journal, the Queens Engineering Society Sponsors numerous events and seminars to further inform our members of the new developments in industry. We hope that you will help support our efforts. Please see the order form on the next page



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OF THE NEW YORK STATE SOCIETY OF PROFESSIONAL ENGINEERS**

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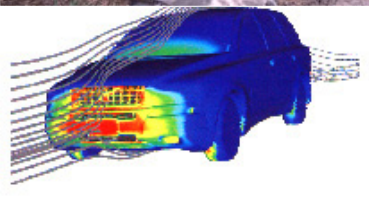
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**DISCOVER** and visit displays and interactive exhibits focusing on higher learning opportunities in engineering to meet challenges of today and the future.

**LEARN  
MEET &  
DISCOVER**

# Sunday March 25<sup>th</sup>

**11:00 am – 4:00 pm**

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## Firestop Symposium Registration

Please register by March 16, 2007

### \$120 Registration Fee includes:

Firestop Symposium admittance, continental breakfast lunch, exhibitions, and full conference proceedings.

**Discounted Rate of \$100** available until February 27, 2007

tickets at \$  =  ☐ M/W /LBE

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New York  
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AIA New York Chapter

This symposium earns attendees  
6 credits in accordance with the  
AIA Continuing Education Program.



## Firestop Symposium Overview

The Firestop Symposium is a one-day seminar hosted by Hilti, AIA, and New York Construction; featuring New York City's leading fire protection experts, to address firestop technology and industry trends. The program has been developed to provide a comprehensive overview of firestopping from theory to practice - why passive fire protection is necessary, how to correctly identify code requirements related to firestop, and how to effectively specify and manage firestopping installations in new and existing buildings.

### Who Should Attend:

Architects, Engineers, Contracting Professionals,  
Inspectors, Specifiers, Building Owners/Managers  
and Authorities Having Jurisdiction

**Date:** Tuesday, March 27, 2007

**Time:** 7:30 a.m. to 5:00 p.m.

**Location:** McGraw-Hill Companies  
Conference Center  
1221 Avenue of the Americas  
New York, NY 10020



2007  
Firestop Symposium

**Firestopping:  
From Codes to Practice  
Keeping New York City Safe**



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## Firestop Symposium Program

|              |   |
|--------------|---|
| <b>7:30</b>  | <b>Continental Breakfast, Registration and Exhibition</b>   |
| <b>8:30</b>  | <b>Welcome</b><br>John Valiulis, Hilti Corporation<br>Steve Zirinski, AIA/NY  |
| <b>8:35</b>  | <b>Significance of Innovation</b><br>Cary Evert, President, Hilti North America   |
| <b>8:50</b>  | <b>The Value of Proper Compartmentation to Fire Fighting Operations</b><br>Chief Howard Hill, NYC Fire Department   |
| <b>9:25</b>  | <b>Overview of Firestopping Requirements in the NYC Building Code and the IBC</b><br>Joe Razza, Rolph Jensen and Associates                               |
| <b>10:00</b> | <b>Break</b>  |
| <b>10:20</b> | <b>NYC Review of the IBC and Proposed Amendments: Focus on Compartmentation</b><br>John Lee, NYC Dept of Buildings  |
| <b>11:05</b> | <b>Curtain Wall Firestopping</b><br>Israel Berger, Israel Berger and Associates   |
| <b>11:35</b> | <b>Firestop - Other Attributes: Mold, Sound, Etc.</b><br>Dr. Michael Leitner, Hilti Development, GmbH   |
| <b>12:10</b> | <b>Lunch</b>  |
| <b>1:10</b>  | <b>L-rating and W-rating Test Results, Applications and LEED compliance</b><br>Steve Hoffman, Underwriters Laboratories                                   |
| <b>1:35</b>  | <b>Firestop Engineering Judgments: Realities and Practicalities</b><br>William Koffel, Koffel & Associates  |
| <b>2:05</b>  | <b>Firestop Installation</b><br>Donald A. Donnelly Jr., Thomas J Donnelly Inc<br>Gerard Crimmins, Carpenter's Union                                       |
| <b>2:45</b>  | <b>Break</b>  |
| <b>3:05</b>  | <b>Maintaining Fire Resistant Assemblies in Existing Buildings</b><br>Jerry Scheirer & Robert Raimondi,<br>North Shore / Long Island Jewish Health System |
| <b>3:40</b>  | <b>Managing the Fire Hazard of Cabling in New and Existing Buildings</b><br>Barry Donaldson, Barry Donaldson & Assoc                                      |
| <b>4:15</b>  | <b>Inspection from an Inspector's Perspective</b><br>Speaker to be announced  |
| <b>4:45</b>  | <b>Hilti's Commitment to Saving Lives, Protecting Assets and Improving Building Performance</b><br>Frank McMahon, Hilti Corporation                       |
| <b>4:55</b>  | <b>End of Symposium</b>   |



## Firestop Symposium Biographies

**Cary Evert** is President and CEO of Hilti's Western Hemisphere Operations. He has been with Hilti for 26 years. In that time, he has held positions of Managing Director, Vice-President and President of Hilti operations in the US, Canada, Japan and Latin America. He is a graduate of Rutgers University, with a degree in business.

**Chief Howard Hill** has been a member of the FDNY for over 34 years and is the current Chief of Fire Prevention. He was responsible for creating the Emergency Action Plan for office buildings as required by LL 26 and continues to help define the Departments positions regarding the new building code that is being created for NYC.

**Joseph C. Razza, P.E.** is a Fire Protection/Life Safety Consulting Engineer for Rol Jensen & Associates, Inc. and is engaged exclusively in fire protection engineering, life safety and security consulting. He gained an extensive background in NYC Building and Fire Codes working as a Fire Protection Inspector with the FDNY, and for the past two years, has served on the NYC Model Code Program's Fire Protection Technical Committee and the Construction Requirements Technical Committee.

**John Lee** is a Sr. Architect with the Technical Affairs Division of the NYC Department of Buildings with a focus on adapting the ICC construction codes to the NYC environment. He holds a Masters degree in Urban Design, and his past professional experiences include institutional building and urban design projects for private sector architecture firms and technology consulting for Fortune 500 clients.

**Israel M. Berger, AIA**, a Registered Architect in NY, has specialized in the construction of building envelopes for over 25 years. He has directed the consulting, testing and inspection of multiple types of curtain walls assemblies world-wide. In addition, he has directed the façade restoration and re-cladding of many significant projects, including listed Landmark buildings.

**Dr. Michael B. Leitner** is the development head of the Hilti Chemicals Business Unit. He has a Masters Degree in Chemistry from the University Bayreuth, Germany, and a PhD in Polymer Chemistry from the Technical University Berlin. He currently has 40 scientific papers, patents and conference proceedings in the fields of Polymer Chemistry, Electrochemistry and Firestop Chemistry.

**Steven Hoffman** has a degree in Mechanical Engineering and has over 25 years of experience with Underwriters Laboratories. He has been instrumental in the development of various test methods and equipment including L Ratings of firestop and joint systems, aging and environmental exposure requirements for intumescent materials, and W Ratings for firestop systems.

**William E. Koffel, P.E., FSFPE** is President of Koffel Associates, Inc., a fire protection, life safety, and security consulting engineering firm. He is a past-President of the Society of Fire Protection Engineers. He is actively involved in the codes and standards development processes of the ICC and NFPA, serving as Chairman or member of numerous technical committees. He holds a BS in Fire Protection Engineering from the University of Maryland.

**Donald A. Donnelly Jr.** is the President of Thomas J. Donnelly, Inc. which is a large scale Commercial and Industrial Insulation Contractor and Firestop Specialty Contractor. He is the Designated Responsible Individual (DRI) certified by Factory Mutual Approval Standard 4991, is the Key Responsible Contact through the Hilti Accredited Firestop Specialty Contractor program and also holds the position of Vice President of the Insulation Contractors Assoc. of NYC.

**Gerard Crimmins** is a member of the NYC District Council of Carpenters Local 608 since 1979. He has worked primarily in interior construction trades. Since 2001, he has held the position of Lead Instructor at the NYC District Council of Carpenters Journeyman Apprentice Training Center.

**Jerry Scherer, CHSP** is the Director of Facilities Engineering for the Long Island Jewish Medical Center with 28 years experience in Healthcare Engineering. He is responsible for coordination, planning and scheduling of all Engineering Department operations and projects including Preventive Maintenance Programs.

**Robert Raimondi** is the Associate Director of Facilities Engineering for the Long Island Jewish Medical Center. He has 29 years experience Facilities Engineering. Current responsibilities include review of all plans for new construction, remodeling and renovation, coordination of contracting and construction projects, and final approvals before occupancy.

**Barry Donaldson**, licensed architect, is principal of Barry Donaldson Associates. Previously, he was Executive Vice President of Tishman Realty & Construction Co. Inc. for 17 years, where he managed all technical support, and quality control for over 20 million sq ft of development and construction projects. He has lectured on building technology and sustainable design; and has published various articles and books.

**Frank McMahon, P.E.** is Vice President, Technical Services, for Hilti North America. He has held various positions in Engineering, Product Management and Sales over a span of 20 years with Hilti. Mr. McMahon has worked an additional 14 years as an engineer with Civil, Structural and Construction Materials engineering firms. He received his Civil Engineering degree from Worcester Polytechnic Institute.

**John Valiulis, P.E.**, is Director, Codes & Standards, at Hilti. Previously, he spent 6 years with Factory Mutual as a field engineer in eastern Canada and Scandinavia, and 9 years with Factory Mutual Research Corp. in explosion and fire protection research and standards development. He holds a Bachelor's Degree in Chemical Engineering and a M.Sc. in Fire Protection Engineering.

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## PRESS RELEASE

Every year, we the Queens Chapter of the National Society of Professional Engineers and The Professional Design Center hold a MathCounts competition. MATHCOUNTS is a national math enrichment, coaching and competition program that promotes middle school mathematics achievement through grassroots involvement in every U.S. state and territory. Winners at the local level proceed to state competitions, where the top 4 Mathletes® and top coach earn the right to represent their state or territory at the national level. At all levels, MATHCOUNTS challenges students' math skills, develops their self-confidence, and rewards them for their achievements. Scholarships are given out at the national competition.

We expect to have more than eighty (80) students and their parents at the competition. Fifteen local public schools from Queens have registered in the MATHCOUNTS Program. They are:

JHS 189 Beard Junior High School  
MS 158 Marie Curie Middle School  
MS 67 Louis Pasture Middle School  
MS 74 Hawthorne Middle School  
MS 216 George Ryan Middle School  
The Garden School  
JHS 190 Russel Sage Junior High School  
IS 268 Intermediate School  
JHS 185 Bleeker Junior high School  
PS 214 Cadwallader Colden Public School  
IS 5 Intermediate School  
PS 101 School in the Gardens  
IS 238 Susan B Anthony Intermediate School  
PS 266 Public School  
MS 72 Catherine & Count Basie Middle School

All expenses are picked up by the Professional Design Center of NY, a non-profit organization dedicated to the enhancement of engineering and architecture .

The competition will be held at JHS 189 in Flushing, NY on February 10, 2007. The competition will start at 9:30am and end at 1:30pm. At 12pm we start the final countdown where individual students are asked difficult math questions and they have to answer in a short period of time- similiar to a spelling bee.

The final countdown is scheduled to begin at 12:00pm and we would request that you be at the competition no later than 11:45am.

Please visit [www.mathcounts.org](http://www.mathcounts.org) and by contacting the competition's administrator, Mr. Bob LoPinto, PE from Shapiro Engineering at 516-791-2300 for further information.

Please do not hesitate to contact me at 516 742 5360 or on my cell at 917-299-2954 if I can be of further assistance.

## Engineer's Week Celebration — February 22<sup>nd</sup>, 2007

In celebration of Engineers Week, the Queens Chapter of the National Society of Professional Engineers is pleased to announce that on Feb. 22, 2007, will host a series of speakers that will discuss engineering, the profession, the role of the engineer in society, and infrastructure projects at the Professional Design Center in Fort Totten. *This event is free and open to the public.* Continuing Education Credits for engineers and architects are available, \$10 per PDH for members and \$25 per PDH for non-members. Enrollment applications for NSPE membership will be available at the door, free PDH's with new enrollment.

- |                 |  |     |
|-----------------|--|-----|
| 8:30am-9:00am   | <b>Meet and Greet; Come meet your fellow engineers</b>   |     |
| 9:30am-10:00am  | <b>NYS Senator Frank Padavan- the only Engineer in the NYS Legislature</b>   |     |
| 10:am-11:00am   | <b>Ms. Laurie Kerr, RA -Senior Policy Advisor, Mayor's Office of Operations</b><br>NYC's population is projected to increase by more than 1,000,000 residents by the year 2030. Ms. Kerr will discuss the City of New York's plans to deal with the major physical challenges to its infrastructure and the environment.   |     |
| 11am-12:00am    | <b>Mr. Bernie Haber, PE- Partner Emeritus, retired, Hardesty and Hanover</b><br>Are most failures caused by poor design? Poor workmanship? Defective Materials? No, the facts are that more than 60% of bridge failures are caused by natural phenomena. The major causes of bridge failures will be discussed including foundation failures from floods and other natural phenomena. The history and implementation of the nation's bridge inspection, evaluation and rehabilitation program to prevent failures will be discussed. |     |
| 12:00am-12:30pm | <b>Refreshments will be served</b>   |     |
| 12:30am-1:30pm  | <b>Mr. Jose Diaz, PE- Vice President Hill International</b><br>Discussion of the fast track reconstruction of the PATH service to the World Trade Center site, including the Temporary WTC Station, the Hudson River Tunnels, and Exchange Place Station (collectively know as the Phase I Downtown Restoration Program).  |     |
| 1:30pm-2:30pm   | <b>Mr. Louis Huang NYC Department of Environmental Protection</b><br>York City water tunnel # 3  | New |
| 2:30pm-3:30pm   | <b>Mr. Joel Miele, PE</b><br>The Board of Standards and Appeals  |     |
| 4:00pm-5:00pm   | <b>Mr. Steven Demetropoulos, PE, Traffic Engineer, Port Authority of NY &amp; NJ</b><br>Port Newark-Elizabeth Marine Terminal Comprehensive Traffic Study - Results and Recommendations. The landside traffic activities at Port Newark-Elizabeth Marine Terminal have significantly increased in recent years and are expected to grow in the future. The <i>Study</i> has recommended traffic improvements to locations where future capacity constraints to the proposed roadway network are anticipated.                         |     |
| 5:15-6:15pm     | <b>Mr. Alan Weinstein, AIA Queens President</b><br>The interaction of engineers and architects in design projects.   |     |
| 6:30-7:00pm     | <b>Dinner courtesy of our sponsor 3M Corporation</b>   |     |
| 7:00-8:00pm     | <b>General Membership Meeting</b>  |     |
| 8:00-9:00pm     | <b>Mr. Glenn Schilling, 3M Corporation</b><br>Transportation and traffic safety signage in regards to minimum highway traffic signage and 2007 updates to the Manual of Uniform Traffic Control  |     |

**Please contact George Tavoulareas, PE at 917-299-2954 for further information.**