

Queens Chapter

New York State Society of Professional Engineers

The Drawingboard

February 2017

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Next General Membership Meeting

The next general membership meeting will be held on Thursday February 23, 2017 at 6:15pm. at 422 Weaver Ave in Ft. Totten, NY

The admission fee is \$20 for members and \$30 for non members.

6:15-7:00pm Buffet Dinner

7:00-7:30pm General Membership Meeting

7:30-8:30pm Presentation – “Ceramic Glazed Brick and Structural Tile; A Technical Overview”

Presentation Outline

“Ceramic Glazed Brick and Structural Tile; A Technical Overview”

The **Elgin Butler Company** will sponsor a discussion on Using the proper ASTM and Brick Industry Association’s Specifications along with historical data this program will explain how and why this material is still the premier wall system even after generations have been in-service proving life-cycle value unequaled. This translates into saving our natural resources sentation skills and are considered

After completion of this course, participants will be able to:

♣ Manufacturing Process – When shown the manufacturing processes you will be able to identify howceramic glazed masonry is different than a glazed concrete block unit and translate these facts into your design for a stronger, less complicated wall system.

♣ Benefits/Product Comparison - When shown several simple tests of the ceramic glazed finish as compared to a resin or plastic ‘glazed’ finish you will know and understand the properties of finish differences between the ASTM C 126/C 1405 for ceramic

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glaze vs. the resin glaze standard ASTM C 744.

♣ Design Options - You will be shown design elements that can be utilized for unique accents, historical renovations or new construction of small to large high-profile buildings using color, texture, sizes and shapes while providing life and property safety, exceptional life-cycle cost savings and in-service long - term durability.

♣ Technical References - Using the ASTM Standards and the Brick Industry Association's (BIA) Technical Notes you will be able to apply the recommendations for successful wall assemblies meeting design criteria, interior structural elements and exterior durability.

Rules Update

Proposed Rules Governing the City of New York can be viewed at:

<http://rules.cityofnewyork.us/proposed-rules>

- [Amendment of the rules relating to cranes and derricks](#)
- [Lift Directors](#)

Link of the Month

DiscoverE: National Engineer's Week

<http://www.discovere.org/our-programs/engineers-week>

Mathcounts

By Robert LoPinto, former President
516-816-3800

The Queens Chapter - NYSSPE annual MATHCOUNTS Competition was held on Saturday, February 4th, at Middle School 67, in Little Neck. Eleven schools from Queens registered in the MATHCOUNTS Program competed in the competition. MATHCOUNTS is a Math skills building and competition for 6th, 7th & 8th grade students, sponsored by the National Society of Professional Engineers, the CNA Foundation, Raytheon Company, US Dept. of Defense, Northrop Grumman Foundation, 3Mgives, Texas Instruments, Art of Problem Solving, Phillips 66, NextThought 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 Raytheon National Competition, which is being held in Orlando, FL this year.

The top winners of the National Competition can win college scholarships.



TROPHY TABLE

credit: Brian Flynn, PE

Teams of 4 students and up to 6 individuals from the schools spent about 4 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 for each set. This was followed by a 20 minute, 10-question team test, where the 4 team members worked together to answer the questions. Then, the top individuals competed in an Oral Countdown Round, where 2 students had 45 seconds to answer questions. The winner of the round then competed against the next individual until the winning round.

The Queens Chapter Team Winners were:

1ST PLACE

MS 74- NATHANIEL HAWTHORNE MS
COACH: MATT PAOLANO

SACHIN FONSEKA
SRINATH MAHANKAL
BUSHRA ISLAM
CHRISTINE YAN

2ND PLACE JHS 190 – RUSSEL SAGE JHS
COACH: WILL COLLINS

BEN GALLAI
DANIELA MATEI
ANDREW JIANG
IVAN CHEN

3RD PLACE MS 158- MARIE CURIE MS
COACH: FREDDY SAMPSON

JOHN GUPTA-SHE
RYAN MA
DANIEL YOU
ALICE ZHU

STUDENTS SOLVING PROBLEMS



credit: Brian Flynn, PE

The top Individual Winners were:

RANK	Name	SCHOOL
1	Daniela Matei	JHS 190
2	Ben Gallai	JHS 190
3	Emily Chen	BSEG
4	Edward Wu	BSGE
5	Jack Shao	MS 67
6	Alice Zhu	MS 158
7	Grace Yang	JHS 185
8	Sachin Fonseka	MS 74

The Oral Countdown Round Winners were:

RANK	NAME	SCHOOL
1	Grace Yang	JHS 185
2	Daniela Matei	JHS 190
3	Ben Gallai	JHS 190

The competitions went off without a hitch, thanks to the help of the Team Coaches, and the Professional Engineer Chapter volunteers. At the end of the competition, an awards ceremony was held, and the trophies and other awards were presented to the Queens Chapter winners by Chapter President George Tavoulareas, PE. Robert A. LoPinto, PE, Past Queens Chapter President and MATHCOUNTS Coordinator set up the day's events and ran the Countdown competition. Bryan Flynn, PE, John Sgouros, PE, Chris Petallides, PE and Alex Poklinkowski also assisted in the competition. We also want to thank Principal Brian Annello, a former Team Coach, for hosting this year's competition at MS 67. All in all, it was an enjoyable morning for all involved. The top three teams now move on to the State Competition in March. Good Luck!



You are invited to attend a

1- HOUR EDUCATIONAL PROGRAM

(AIA LEARNING UNIT CREDITS AIA/CES LU HSW Credit- 1)

Date: Thursday, Feb 23rd @ 7:00 PM

Program: *Ceramic Glazed Brick and Structural Tile; A Technical Overview*

**Presented by: Jeff Hanington
Elgin Butler Company – Northeast Regional Manager**

This AIA Educational Learning Program will cover the following topics and more:

- Learn about what's new in the ceramic glazed brick & structural glazed tile industry.
- The benefits of a ceramic glazed surface---no graffiti, no fading, no refinishing.
- Glazed brick and structural glazed tile - how it is made and design options.
- The difference between a polymer (plastic) coated CMU and ceramic glazed products.
- How ceramic glazed brick and tile perform in various climates.
- Technical data and references for installation details.
- Learn more about industry organizations, like **CGMI**, that support ceramic glazed masonry products.
- Plus much more

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