

Queens Chapter New York State Society of Professional Engineers The Drawingboard

February 2016

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Next General Membership Meeting

The next general membership meeting will be held on Thursday, February 25, 2015 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 – Tori Davis of Superior Gunnite

Presentation Outline

Superior Gunite has been in business for over 50 years as the industry leader in pneumatically placed structural concrete, we focus on turning around diversified wall construction faster and more economical than the traditional form and pour method. Our East Coast office is located in Metro New York and our area of operations covers the North East, Mid Atlantic and Midwest markets, although large percentage of our work is in the Metropolitan New York area. Our company was instrumental in the development and continues to be the leading industry innovator on the improvement of the wet-mix process of Shotcrete. Our work focuses on the ability to utilize Shotcrete in specified cast-in-place concrete versus traditional form and pour concrete for greater value engineering. Shotcrete can eliminate 2-sided form construction or 1-sided forms against existing CMU, URM, CIP walls or Earth.

Superior has built its reputation on alternative, creative, cost-effective building solutions. The range of our applications are:

- Infrastructure for essential transportation and water

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management systems

- Critical institutional resources, such as hospitals and universities
- Major Civic, Industrial and Commercial projects.
- Rehabilitated and rebuilt dry docks, railroad and highway tunnels
- Repair of unreinforced and under-reinforced buildings, bridges, and many other concrete or masonry structures.
- Construction of new retaining walls, commercial building basements and structural walls, pipe linings, tunnel linings, canals, reservoirs, and dam spillways.
- UV Activated Cure-in-place Piping and Spin Lining with corrosion- and sewer gas-resistant materials

NYC Rules Update

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

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

Please email me your comments regarding any of the rules.

Engineers Week 2016

February 21-27, 2016

Mayor Bill De Blasio Honors Engineers Week in New York City

The Annual Celebration of Engineers' Week in New York City kicked off on Thursday, February 18, 2016 at the NYU Tandon School of Engineering (NYU-Polytechnic) in downtown Brooklyn, NY.

The NYC Mayor's Proclamation ceremony was conducted and presented by **Salvatore Galletta** PE, MESC Program Chair, **Wasy Kinach**, P.E., MESC Chair and **Mark Klein**, P.E. President of the Municipal Engineers of the City of New York.

[NYC Mayor Bill De Blasio's Proclamation](#) declared February 21st - 27th, 2016 in the City of New York as "Engineers Week". The keynote speaker was **Richard S. Thorsen**, Ph.D., Dept. Chair and Vice President Emeritus, Mechanical and Aerospace Engineering NYU Tandon School of Engineering. The event was attended by **Al Brand**, P.E. (of Mueser Rutledge) and **Rudi Sherbansky** P.E., past and current NYC Regional Vice Presidents of the NYS Society of Professional Engineers (NYSSPE).



[The Dinner-Lecture Engineers Week event](#) was organized by the Metropolitan Engineering Societies' Council (MESOC): an umbrella organization consisting of 23 local Engineering organizations and local sections of National Engineering Societies. Engineers' Week is an annual celebration, founded in 1951 by the National Society of Professional Engineers, to recognize the achievement of Engineers. It is timed close to the birthday of **George Washington**, in honor of his engineering work as a land surveyor, military engineer and his role in establishing the U.S. Army Corps of Engineers.

The featured speaker at the NYC Engineers Week ceremony was Dr. **Imin Kao**, Associate Dean, College of Engineering and Applied Sciences, Stony Brook University, who discussed Robotics Applied to Medical Resection and Rehabilitation. Dr. Kao is a Professor in the Department of Mechanical Engineering at Stony Brook University, where he is also the Director of the Systems Engineering and Integration Laboratory. He conducts research in Microsystems, intelligent fault detection and diagnosis, robotics and intelligent contact interface.

The exact title of the lecture was: *Engineering of Mechanical and Electronic Systems for Robotics Research as Applied in Medical Resection and Rehabilitation*. Dr. Kao discussed how robotics research has made it possible for engineers and researchers to model and control articulated manipulators, such as hands and fingers. Robotics encompasses applications in mechanical engineering, electrical engineering, biomedical engineering, and computer science. The advances in engineering theory, CAD and 3D printing, as well as medical imaging and signal processing have facilitated innovative solutions for surgery and rehabilitation.

<http://www.youtube.com/DidIKIsXxbo?wmode=transparent>

New York Build 2016 Expo

From: "John M Mazza" <jmmazza@airpath.us>

Subject: FW: AIRPATH ENGINEERING is exhibiting at NY Build 2016 (March 7-8)... Your Invited

Date: February 17, 2016 at 5:02:59 PM EST

To: "John Mazza" <jmmazza@airpath.us>

Friends and colleagues,

Airpath Engineering will be exhibiting at New York Build 2016 (March 7 - 8). It is the leading construction trade show focusing on New York's construction industry and offering a multitude of credited workshops. Find an excuse to come and see us.



Airpath Engineering will be exhibiting at **New York Build 2016** (March 7 - 8). It is the leading construction trade show focusing on New York's construction industry.

Airpath is versed in the language of indoor building environmental systems. We successfully bridge the building Owners, Hospitals, Property Managers, Architects/Engineers, General Contractors, and Mechanical Contractors to practical solutions. Airpath specializes in new construction environmental system certification goals (HVAC TAB, LEED, and Building Envelope). We revisit existing building environmental systems to achieve improved performance and code compliance (LL87, JACHO, NYCECC 101.4.3).

We would like to invite you to attend the two-day event for free. The 2-day event will feature more than 150+ booth exhibition, conference and 24 training workshops with topics including:

Meeting the Building Standards and Regulations in New York State - Ronald Piester, Director of Code, Department of State, Office of Planning and Development - Division of Building Standards and Codes

World Trade Center Project - Steven Plate, Deputy Chief of Capital Planning/Direct, WTC Construction Department, PANYNJ

Panel Discussion: Affordable Housing - US Dept of Housing and Urban Development, Lemle & Wolff Construction, The Mulholland Group and NYSAFAH

How to do Business with the New York School Construction Authority - George Toma AIA, Vice President of Construction Management and Operations, New York School Construction Authority

The conference will also include presentations from the Department of Design and Construction, Bjarke Ingels, Structure Tone, Dormitory Authority State of New York, HOK, Gilbane and many more!

For more information visit www.newyorkbuildexpo.com.

To register for your free ticket click [here](#)

Please share this event on to your colleagues, clients and any other contacts that work in construction, we welcome them all to attend.

We very much look forward to seeing you there!1

Sincerely,

John Mazza P.E.
President and CEO
Airpath Engineering PC

Office of the Mayor

CITY OF NEW YORK



Proclamation

WHEREAS: MY ADMINISTRATION IS DEDICATED TO BUILDING A BRIGHTER FUTURE FOR EVERY NEW YORKER. OUR AMBITIOUS PLAN TO CREATE ONE NEW YORK THAT WORKS FOR ALL OUR RESIDENTS CENTERS AROUND OUR VISION FOR A SAFER, CLEANER, MORE SUSTAINABLE CITY. THIS MEANS BUILDING MORE AFFORDABLE HOUSING, REINFORCING OUR COASTLINE AND DEVELOPING SYSTEMS TO INCREASE OUR RESILIENCY, IMPROVING OUR ROADWAYS, INTRODUCING NEW TRANSPORTATION METHODS LIKE STREETCARS, AND SUPPORTING OUR THRIVING TECHNOLOGY SECTOR. ENGINEERS ARE ESSENTIAL TO ACHIEVING THESE GOALS AND THIS WEEK, TOGETHER WITH THE METROPOLITAN ENGINEERING SOCIETIES COUNCIL, WE ARE PLEASED TO JOIN WITH ALL NEW YORKERS IN CELEBRATING THESE TALENTED PROFESSIONALS.

WHEREAS: SINCE ITS FOUNDING, MESC HAS WORKED TO SUPPORT MEN AND WOMEN WORKING IN THE FIELD OF ENGINEERING. COMPRISED OF MANY ENGINEERING SOCIETIES BASED ACROSS THE NEW YORK AREA, THE COUNCIL PROMOTES THE PROFESSION, HOLDING MEETINGS FEATURING TALKS FROM INDUSTRY LEADERS, ENCOURAGING EXCELLENCE, AND OFFERING OPPORTUNITIES FOR CONTINUING EDUCATION. THROUGH ITS ANNUAL ENGINEERS WEEK ACTIVITIES, MESC HELPS TO GENERATE INTEREST IN THE FIELD AND ENCOURAGES YOUNG NEW YORKERS TO PURSUE THIS LINE OF WORK, SECURING OUR CITY'S FUTURE AS A CAPITAL OF INNOVATION.

WHEREAS: FROM HEALTHCARE TO BRIDGES AND FROM PLANES TO HOUSING, THE WORK OF ENGINEERS IS ALL AROUND US. AS WE ENDEAVOR TO ENSURE EVERY NEW YORK CITY STUDENT HAS ACCESS TO STEM CLASSES IN OUR SCHOOLS AND EMPOWER YOUNG PEOPLE TO PURSUE THEIR INTEREST IN THESE SUBJECTS, WE ARE GRATEFUL FOR THE WORK OF MESC AND THE OUTSTANDING EXAMPLE ITS MEMBERS PROVIDE FOR CHILDREN AND TEENS INTERESTED IN A CAREER IN ENGINEERING. I APPLAUD THE COUNCIL AND ALL THOSE ASSOCIATED WITH IT FOR THEIR EFFORTS TO IMPROVE AND TRANSFORM LIFE IN OUR CITY AND FOR THEIR COMMITMENT TO PAVING THE WAY TO A BETTER TOMORROW FOR US ALL.

NOW THEREFORE, I, BILL DE BLASIO, MAYOR OF THE CITY OF NEW YORK, DO HEREBY PROCLAIM FEBRUARY 21ST–27TH, 2016 IN THE CITY OF NEW YORK AS:

"ENGINEERS WEEK"



Bill De Blasio

BILL DE BLASIO
MAYOR

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