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Cooper Union Creates an Interactive Light Studio for the American Sign Language and English Lower School (P.S. 347)

Contributed by Melody Baglione

The Cooper Union for the Advancement of Science and Art successfully launched an Interactive Light Studio to introduce science and engineering to pre-kindergartners at the American Sign Language and English Lower School (P.S. 347). P.S. 347 is a public school in Manhattan that serves deaf, hard of hearing, and children of deaf adults (CODA) from all five boroughs as well as hearing children from the local area.

Children are natural scientists and engineers, born with a passion to learn about their world and figure out how things work. If this natural curiosity is not nurtured early on, children often lose interest in science and may be less likely to pursue engineering. The primary motivation for this project is to inspire young children to learn about science and engineering through play. The significant populations of deaf, hearing impaired, female and minority children at P.S. 347 also present an opportunity to introduce science at a very young age to groups traditionally underrepresented in engineering. Another goal of this project is to create ways for both deaf and hearing students to explore light and to directly and/or indirectly experience sound. The light studio is intended for children between 3 and 5 years old from six

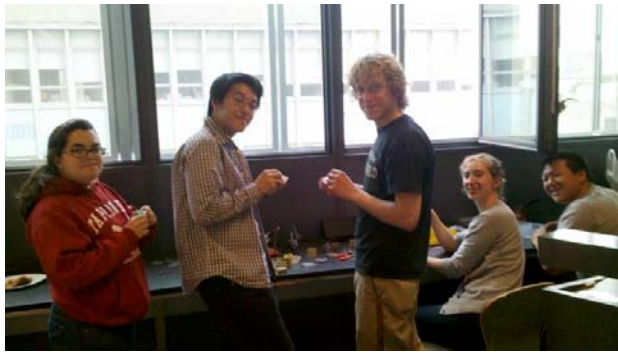
pre-kindergarten classes; approximately one-third of the student population has special needs and around two-thirds are minorities. Designing a play and learning space with interactive devices also provided Cooper Union students an opportunity to work on a personally rewarding design project that engages children to explore their world.

For the light studio, P.S. 347 Principal, David Howell, identified a 12' x 22' room that had been previously used for storage. The space is divided into two 11' x 12' rooms by a central temporary wall. The teachers and staff envisioned using each room for small break-out sessions. The divider wall is metallic, thus magnetic devices could be installed for the children to play with. Cooper Union students painted the rooms before design work began.



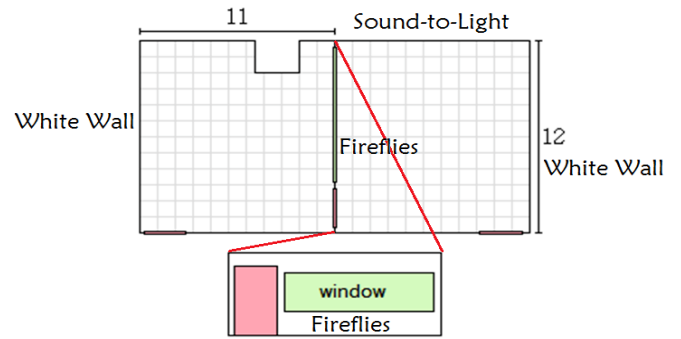
Before Photos of Light Studio

Weekly working meetings took place with the project leaders and faculty to assign roles and divide tasks. Over the course of the Spring 2011 semester student volunteer groups went to P.S. 347 3-5 times per month to work on the room. Three publicized volunteer sessions also took place at Cooper Union, where many students turned out to help assemble electronic devices for installation in the studio.



Photos of Student Volunteer Sessions

Central to the design of the play and learning space are themes of light and sound with inspiration from the natural environment. A modular approach was taken to allow for the potential to revise and expand the studio to accommodate new installations and activities.



Light Studio Layout

To create an environment that encourages children to pursue their own questions and make observations, the two largest walls were left white for play and experiments with flashlights and shadows. Children are introduced to properties of light as they explore with flashlights, color filters, and prisms. Color filters were created by adhering colored film gels between poster boards. The children are invited to use flashlights or a projector to see shadows on the wall. To facilitate experimentation a template activity card was devised, with which Cooper Union students propose age-appropriate science activities. The activity card includes key concepts, materials, and suggested activities. Handmade hanging bookshelves formed a reading wall for the activity cards and science-related children's books.



Experimenting with Flashlights and Color Filters

Another wall incorporates an interactive, electronic simulation of fireflies. Each firefly is a self-contained circuit board that communicates with other fireflies via infrared sensors and achieves mutual synchrony of flashing with other fireflies in its proximity. These circuit boards are designed to be played with – children can rearrange the fireflies on the magnetic wall and observe different flashing patterns. The transparent orange covers reveal the electronic components and are etched with fireflies using a laser cutter. Children's books related to fireflies were incorporated onto the reading wall.



Synchronizing Firefly Circuit



Sound-to-Light Flowers



Rearranging Fireflies



Observing Flower LEDs with Color Filter

To encourage children to explore the nature of different sounds and create a way for deaf and hearing impaired children to visually experience sound, a sound-to-light installation was incorporated. To fit the nature aesthetic of the room, flowers were painted on the wall and circuits with microphones with audio spectrum analyzers were mounted at the center of each flower. Different colored LED lights respond in proportion to the sound level in particular frequency bands. Children can make sounds or speak to the flowers and visually see the flowers talking back to them with light.

The Cooper Union students watched the children during the grand opening on May 20th and observed their fascination and excitement while interacting with the firefly and sound-to-light installations. The Cooper Union students provided the children with flashlights and encouraged them to try different opaque and translucent color filters. The installations and activities provoked the children to ask questions and make observations; the children observed and commented on the difference between the opaque and translucent filters and played by projecting each other's shadows. A video of the grand opening can be found at the following link:

http://faculty.cooper.edu/lima2/eoys/Talking_Flowers/. WABC-Channel 7 Education Reporter, Art McFarland, featured a segment on "Interactive light studio makes sound visible" on the 5 PM Eyewitness News on June 24: <http://abclocal.go.com/wabc/story?section=news/education&id=8209063>. The teachers at P.S. 347 will continue to evaluate whether the light studio helped enhance their ability to teach science concepts. As time progresses, the teachers will also provide feedback as to whether the studio

plays a role in stimulating and sustaining the children's interest in science and engineering.

The studio will be a permanent fixture at P.S. 347, so students for many years will be able to enjoy it. Before the light studio was implemented, one of the teachers took half of a class to their weekly art class while the rest of the class stayed in the classroom. Now while half of the children visit art class, the other children can visit the light studio and vice-versa. The light studio provides an environment for young children to explore science concepts and engages diverse students in engineering. Outreach projects such as the light studio demonstrate how engineering can be fun and rewarding and foster the next generation of scientists and engineers!



Interactive Light Studio

This project was made possible by an ASME Diversity Action Grant with additional financial support from the ASME Metropolitan section. The Cooper Union ASME chapter plans to develop new activity modules and explore expanding the studio's use to a larger audience. New activity cards will be designed so that the teachers can select different science experiments for the children every time they visit the studio. Other activities being considered will allow the children to explore the nature of sound with music and tuning forks. Future financial support is also being sought to expand the light studio to include a digital projection system that responds to both motion and sound with computerized graphics. Please contact Student Section Advisor, Prof. Melody Baglione, at melody@cooper.edu if you are interested in learning more.

ASME History and Heritage Meeting



By
Gerard Hillenbrand, P.E.

That meeting was held on Thursday, April 15, 2010 at the Ukrainian Restaurant on Second Avenue in Manhattan's East Village. The attendees included a large number of Mechanical Engineering students attracted by Metropolitan Section's new policy of offering students free admission to all section technical meetings in an effort to stimulate their interest in Mechanical Engineering and ASME. Historically, Metropolitan Section has sponsored annual meetings on the subject of the History and Heritage traditions evolving from the accomplishments of Mechanical Engineers and their contributions to modern society. As usual, the featured speaker at this annual meeting was the eminent historian Conrad Milster, Chief Engineer of the Pratt Institute Power Plant, an ASME Historic Landmark facility located in downtown Brooklyn.

The evening's program was introduced by Met Section's programs chair, Edward G Ecock, P.E., who called the audience's attention to the ASME's district leaders conference at headquarters on the weekend of May 7th and 8th. All active members are invited to attend. There is a \$50 registration fee for this event, but many members are eligible for refunds of this fee. Consult your section representatives for details of the fee reimbursement policy. Metropolitan Section will be the host section for this conference. A summary of the results of this meeting is available. Contact Metropolitan Section executive committee for a copy of this summary material.

Mr. Milster's presentation featured a series of historic movies depicting technical developments in the earliest years of the 20th century. Prominent among these was films from the library of congress archives dating from 1904. In the transportation sector, films showed the enormous amount of river traffic existing around Manhattan with emphasis on frequent ferry traffic on the Hudson River. At the turn of the century access to Manhattan from New Jersey was only by Ferry. All railroads terminated on the Jersey shore, necessitating ferry transfer to Manhattan. Both shorelines were crowded with piers, most of which have been allowed to decay and collapse into the water. The Ferries were powered by the reciprocating steam engines,

the most advanced of, which were 4 cylinder, double compounded with hard coal burning boilers. The Jersey Central Railroad was the last operator of this Ferry service, which ended in 1966. The last ferry employed was the "Elizabeth" which was retired in good operating condition after 70 years of service.



Next shown was ferry service on Lake Lucerne in Switzerland. The vessels involved are all steam engine driven, and include a ferry built in 1906 by the Schiller organization, and a paddle wheel steamer built in 1910. These vessels still operate today. Also shown was an electric generator driven by a water wheel and pioneering electric locomotive dating from 1920, all of which are still in good operating condition.

Mechanical Engineers have also made enormous contributions in the materials handling sphere. Shown was a mining operation in Poland utilizing steam engine driven and included a Ferry built in 1906 by the Schiller Organization in the newly developing electric power industry. Mr. Milster showed archival films of material handling procedures employed in Westinghouse factories. Molten metal equipment for foundry operations was primarily manually manipulated and controlled as was metal forming, forging, hammering, and welding operations. Steam powered hammers were used to initially form large metal billets, but subsequent forming operations were actuated manually with manpower. With all this vigorous manual effort, it is easy to see why the American male population has become overweight, although working in a much safer environment. Located in one Westinghouse factory was a belt driven lathe with the capacity of machining metals up to 90 inches in diameter and 15 feet long. This lathe, built in 1904 and one the largest in the world, was still operating up to five years ago.



The Westinghouse company was also one of the first industrial organizations to employ large numbers of women who proved to be more productive in areas such as electric cable manufacture and soldering operations. Westinghouse also pioneered in mass production of electric motors. To move motor components to various assembly locations, narrow gauge railroads were built inside the factories, thus easing transport of such large elements as motor housings. Factory power was provided by stationary steam engines, some of which dated from 1880. Skilled operators who performed high-quality monitoring of engine performance with minimum instrumentation directly controlled these engines.

The movies next moved to European efforts to preserve historic mechanical engineering developments. In England, a steam locomotive dating from 1832 was reconstructed, lubricated, and transported a period passenger train achieving speeds of 40 to 50 miles per hour with obvious efficiency. This historic locomotive was rated at 3600 horsepower and periodically runs fan trips for interested transportation enthusiasts. Similar preservation efforts are routinely performed in countries like Germany, Holland, Switzerland and various Eastern European nations. Particular emphasis is given to steam engine propelled lake and river vessels which, although approximately 100 years old, still operate with beauty and grace.



Mr. Milster emphasized that the successful and efficient operation of all this steam engine driven equipment was largely dependent on the dedication and skill of the Operating Engineers and Firemen, and the diligence of the control personnel. Of course, all these efforts were very labor intensive and subject to replacement by cost-cutting innovations, but that does not diminish the high quality of the efforts of these personnel. For example, the success and safety of complex railroad operations was dependent on the efforts of control tower operators who manually operated track switching equipment remotely with lever and cable systems coordinated with accurate signal replication of track status. Similarly, signal replication of track status. Similarly, coal burning steam boilers in power plants, locomotives, and ships required skilled firemen to manipulate the ash and clinkers resulting from the combustion of “Soft” Bituminous Coal widely used for commercial steam power applications. Proper manipulation and removal of these combustion products greatly increased the efficiency of steam operations everywhere.

Mr. Milster concluded his memorable lecture with the announcement that he has developed DVD programs recording historic mechanical engineering development such as those depicted. These DVD’s can be obtained by contacting Mr. Milster at Pratt Institute. Great Job Conrad, as usual!



Election of Metropolitan Section Executive Committee Members

The following candidates are proposed for the executive committee of the ASME Metropolitan Section for the period of 2011-2013

<u>Name</u>	<u>Company</u>	<u>Vote</u>	
		<u>Yes</u>	<u>No</u>
<u>Your Vote</u>			
<u>Anthony Alonzo</u>	<u>Retired</u>		
<u>Edward Ecock</u>	<u>Con Edison</u>		
<u>Amhed Zaza</u>	<u>Consultant</u>		
<u>Evren Azeloglu</u>	<u>Mount Sinai Hospital</u>		
<u>Paul Hansen</u>	<u>Enercon Services, Inc.</u>		

Please forward this ballot on or before November 30, 2011 to: aealonzo@yahoo.com

The following are the bio-data of the candidates:

Anthony Alonzo, P.E.

Graduated from Brooklyn Polytechnic Institute, BSME in 1953. I immediately joined the Test Engineering Program at the General Electric Company. After many interesting assignments: Sales, Gas Turbines, Transformers, Air Conditioning, Industrial Controls, Steam Turbines and General Engineering in The Schenectady General Engineering Labs I took a leave of absence at MIT before beginning my life-long vocation as a Math Teacher at Brooklyn Technical High School. During this period I took Graduate School Studies at Fordham University and traveled to many countries where I studied the language and culture. Thirty years later I retired to the good life of rest, travel, and community volunteer work. I served on the Membership Committee at National ASME for about twelve years in the eighties and the nineties and then returned to ASME Metropolitan Section after 9/11 until the present as the Recording Secretary and Membership Committee Chairman.

Edward G. Ecock, P.E.

Graduated from CCNY in 1976 with a B.E.M.E. Received a M.S.M.E. from Polytechnic Institute of NY in 1981, and a M.B.A. from Pace University in 1986. Licensed Professional Engineer in the State of New York . Employed by Consolidated Edison Co. of NY from 1976 until present. Currently is a Department Manager for Research & Development.
ASME activities include: past and present member on the Metropolitan Section Executive Committee; past Member and Secretary on Region II Operating Board; past member on the Honors and Awards Committee; past member on the Nominating Committee; and past trainer for Region II and District A. Currently, Chairman of Meetings and Programs Committee

Gerard Hillenbrand, P.E.

Graduated from Cooper Union and he got his Master degree in Mechanical Engineering at Columbia University . Licensed Professional Engineer in the State of New York in 1961
He is a member of the National Society of professional Engineers since 1978. Mr. Hillenbrand has devoted his career exclusively in mechanical engineering design, with added specialties in design management, technical writing and consulting as well as participating in public engineering society activities. He has spent with about ten firms, all in New York Metropolitan area, in the area of design Engineering. For the ASME Metropolitan Section, Gerard Hillenbrand has been the main reporter of the section for the last fifteen years, producing innumerable articles for the ASME and the Professional Engineering Society (NSPE).Gerard is working part-time as consultant and enjoys classic music, stamp collecting and scientific and engineering history.

Ahmed Zaza, P.E.

Graduated from Helwan University in 1981 with a B.S.M.E., Received M.S.I.E. from Polytechnic University of NY in 1990. Licensed as a Professional Engineer in the State of New York . Employed by the Tractor & Engineering Co. as Mechanical Engineering Studies Administrator on 1981, Management Engineer in SHIRA Industries on 1983, then Project Engineer in NYC DEP on 1990. Performing professional Engineering Consultations on local and international projects and for companies like Ambient Environmental, IBM, NY Hospital, Turner Construction, IMA and others since 1998 until present. Joined ASME since year 2000 and joined actively the executive committee since 2003.

Evren U. Azeloglu, Ph.D.

Graduated SUNY Stony Brook Mechanical Engineering in 2002 and completed M.S. in 2004. He obtained his Ph.D. in Biomedical Engineering from Columbia University in 2009. He is currently employed as a postdoctoral fellow in Mount Sinai School of Medicine of New York with an adjunct appointment in Columbia University Mechanical Engineering.

Dr. Azeloglu is an expert in cardiovascular biomechanics with more than 50 peer-reviewed manuscripts, book chapters, abstracts and conference proceedings. His research interests include cardiac mechanobiology, microscopy, biomechanical characterization and tissue engineering. He has been an invited reviewer for more than a dozen journals including ASME's Journal of Biomechanical Engineering. He has been involved in the Bioengineering Division of ASME since 2001 and with the Metropolitan Section Executive Committee since 2010.

Paul N Hansen, M.S.

Graduated Old Dominion University with a Bachelor of Science in Mechanical Engineering in 1982. Graduated Polytechnic University with Master of Science in Mechanical Engineering in 1988. Attended Stevens Institute of Technology completing 30 credits in Mechanical Engineering. Between 1986 and 2000 Mr. Hansen was employed as the Lead Oyster Creek Safety Analysis Engineer for GPU Nuclear. In this capacity Mr. Hansen was responsible for ensuring that the plant design and licensing basis analysis were maintained. As part of this function he participated in major modifications and plant upgrades providing the thermal hydraulic analysis that established the technical basis for a number of plant modifications. He was an active participant with the Boiling Water Reactor Owners Group Emergency Operating Guidelines and Severe Accident Management Committees. In 2000 Mr. Hansen went to work for Enercon Services, Inc. (ENERCON) as a Mechanical Engineer. In this capacity he continued providing analysis in support of Nuclear Plant design and licensing issues. He was promoted to Supervisor of the Mechanical Engineering group where he oversaw Nuclear Power Plant design modification as well as analysis. In 2007 Mr. Hansen was promoted to the position of Engineering Design Manager of ENERCON Northeast and Midwest Operations Division. Mr. Hansen has been working with the Metropolitan Section Executive Committee since 2006 participating in the publishing of the sections newsletter and maintaining the sections website.

News from ASME Standards & Certification

Elevators and Escalators

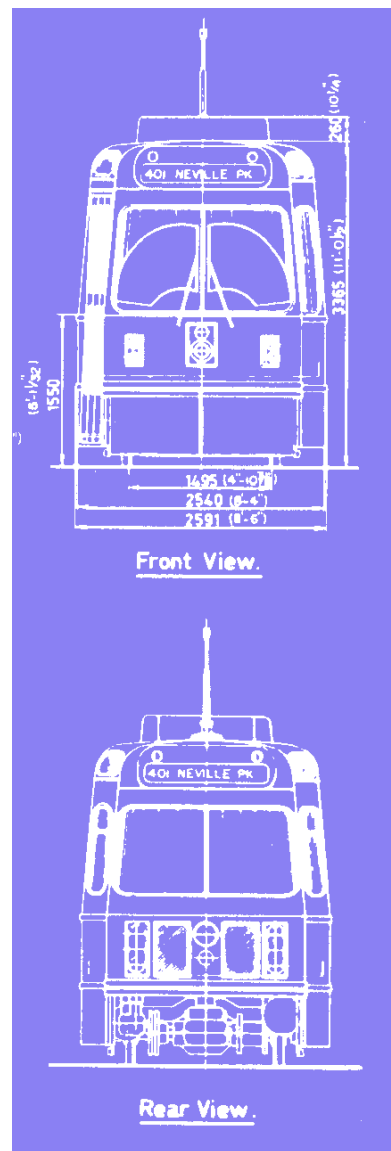
ASME's Codes and Standards have earned a worldwide reputation for safety. The ASME A17.1CSA B44-2010 Safety Code for Elevators and Escalators has served as the bedrock for the safe design, construction, installation, operation and maintenance of escalators and related conveyances. A complete A17 Series of Safety Codes & Standards for Elevators and Escalators is available at a 10 percent savings now through December 31, 2011. You can order all seven standards (A17.1 through A17.7) with just one Order No. AX17CS. Contact ASME 1-800-843-2763 for more details.

Energy Assessment

The industrial sector, including petroleum and coal, chemicals, paper, primary metals/steel, cement, power utilities, food processing and other manufacturing, has long been America's largest energy user, currently consuming about 33 percent of the total usage. While many industrial facilities have the potential to increase the efficiency of their systems, they have difficulty doing so because there is no market definition for energy-efficiency assessment services. ASME's new Energy Assessment (EA) Standards and Guidance Documents were developed at the request of the U.S. Department of Energy to address this critical need. These four EA standards, the first of their kind in the world, include Process Heating Systems, Pumping Systems, Steam Systems and Compressed Air Systems. Contact ASME at 1-800-843-2763 for more details.

Heavy/Light Rail Transit Vehicles

Two standards outlining the structural safety requirements for both heavy and light rail vehicles are now available from ASME, the leading developer of international mechanical engineering standards, certification, and professional training and development programs. The rail standards, RT-1-2009 Safety Standard for Structural Requirements for Light Rail Vehicles and RT-2-2008 Safety Standard for Structural Requirements for Heavy Rail Vehicles, aim to increase passenger safety in the event of train collisions, while also limiting and controlling damage to the railcar bodies. Reflecting the best practices in rail vehicle design and testing, the standards provide state-of-the-art guidelines for manufacturers, transit system operators, and governing entities. Contact ASME at 1-800-843-2763 for more details.



UPCOMING IGTI EVENTS:

Wind Turbine Tutorial

Wednesday, Sept. 28, 2011
11:00 AM - 12:00 PM EDT

Engineering Ethics in Action Webinar

Thursday, Nov. 3, 2011
11:00 AM - 12:00 PM EST

ASME International Gas Turbine Institute Gas Turbine Training Week

Feb. 27 – March 2, 2012
Southwest Research Institute, San Antonio,
Texas.

Sessions Include:

- “Gas Turbines and Compressors”
- “Root Cause Failure Analysis”
- “Rotor and Blade Dynamics”
- “Field, Factory Testing and Dynamics”

ASME International Gas Turbine Institute European Gas Turbine Training Week

Nov. 7 – 11, 2011
Helmut-Schmidt University, Hamburg, Germany

Monday-Tuesday, Nov. 7-8, 2011

“Introduction to Gas Turbines and Centrifugal Compressors”
Instructors: Dr. Klaus Brun, SwRI, Dr. Rainer Kurz, Solar Turbines, Inc.,
Dr. Franz Joos, Helmut Schmidt University and Mr. David Ransom, SwRI

Wednesday, Nov. 9, 2011

“Machinery Performance Testing and Troubleshooting”
Instructors: Dr. Klaus Brun, Dr. Rainer Kurz, Mr. David Ransom

Thursday, Nov. 10, 2011

“Root Cause Failure Analysis of Gas Turbines”
Instructor: Mr. David Ransom, Dr. Klaus Brun

Friday (Morning only), Nov. 11, 2011

“Rotor and Blade Dynamics”
Instructor: Mr. David Ransom

Discover Your Value in Today's Job Market!

The Engineering Income and Salary Survey: The only real-time mechanical engineering compensation survey in the U.S.

ASME is conducting a comprehensive online salary survey, updated daily, as part of the ASME Career Center.

The survey covers all compensation, including bonuses and benefits, based on a wide range of factors: education level, years of experience, geographic location, gender, and practice specialty, among others.

The annual Engineering Income and Salary Survey combines first-hand data from thousands of ASME and ASCE members, and is powered by Gallup, one of the worldwide leaders in market research. That means you can be assured that the data and benchmarks in your custom reports are comprehensive, current and accurate.

To keep our data robust and fresh, we are inviting you to participate in the 2011 - 2012 ASME Salary Survey. You will receive a complimentary one-page summary snapshot at the end of the survey. Members will also receive special discounts on more detailed live custom reports.

Your participation in this project is vital to help us provide our members with reliable and valuable data. **Participate Today!**

ASME- ASME Auxiliary FIRST Clarke Scholarship

To recognize and reward students whose FIRST experience has inspired an interest in pursuing an engineering career, **ASME – ASME Auxiliary** will award scholarships to high school seniors active on a FIRST FTC or a FIRST FRC team, who are nominated by ASME members, ASME Auxiliary members, or student members who are also active with FIRST. These awards will be for the first year of study (non-renewable) in an accredited mechanical engineering or mechanical engineering technology program. The recipients will be announced at the FIRST National Championship.

Nomination and Student Eligibility

Members of ASME, including ASME Auxiliary members and student members, may nominate no more than one student each. Students must be:

- Graduating high school seniors active on a FIRST FTC or FRC team
- Planning to enroll full-time in an ABET-accredited or substantially equivalent mechanical engineering or mechanical engineering technology program, no later than the fall after their senior year in high school.



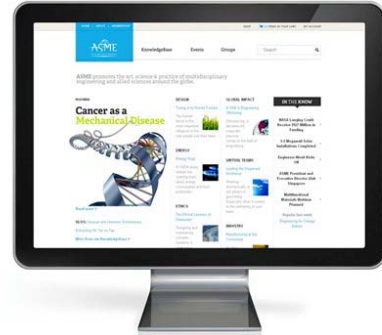
Cand #	First Name	Last Name	City	State	School	College Plans
8	Kaitlyn	Martin	Baytown	TX	Robert E. Lee High School	Colorado School of Mines
7	Scott	Von Thun	Colorado Springs	CO	Coronado HS, Colorado Springs CO	Colorado School of Mines
18	Karen	Schmit	Clover	SC	Clover HS, Clover SC	Duke
3	Cole	Shumaker	Oxford	MI	Oxford High School, Oxford, MI	Kettering University
5	Corey	Bakker	Holland	MI	Holland High School, Holland, MI	Michigan Tech Univ
6	Bradley	Hekman	Holland	MI	Holland Christian HS, Holland, MI	Univ of Michigan
9	Colin	Harmon	Bloomfield	MI	St. Paul's Academy, Bloomfield MI	Kettering University
17	Chris	Doig	Houghton	MI	Houghton HS, Houghton MI	Michigan Tech Univ

2011 ASME Annual Meeting to Feature a Member Assembly

“*ASME Strategic Initiatives in Action*” is a special one-hour assembly led by ASME President Robert T. Simmons, ASME President-Elect Victoria A. Rockwell and ASME Executive Director Thomas G. Loughlin. It will highlight how ASME’s strategic priorities—energy, engineering workforce development, and global impact—are being put into action through dynamic, interrelated initiatives. These include the launch of three important initiatives – the redesigned ASME.org, Engineering for Change, and the launch of a year-long set of activities related to Engineers Week 2012, which ASME is co-chairing with Battelle Memorial Institute. A portion of the program will be reserved for questions from the audience. The Member Assembly will be held on June 12 at 5:00 PM at the Intercontinental Dallas, Addison, Texas, the site of the 2011 ASME Annual Meeting. Please join us and learn more about the initiatives that are shaping the future of ASME.

Welcome to the New ASME.ORG

The new **ASME.org** is far more than a simple redesign of the ASME Web site. It’s a direction for the way ASME presents itself to and engages with a wide range of audiences. The goal of the new “engineering-centric” site is to make ASME.org the online epicenter for engineering conversations. ASME.org wants to be a destination for all engineers by attracting new visitors, share perspectives, insights and news, and to participate in the Society’s mission-driven activities and buy products and services. Visit the new ASME.org today and look for continued improvements in the days ahead. www.asme.org



E4C – Making a Difference

Engineering for Change (E4C) aims to build a community of engineers, technologists, social scientists, non-governmental organizations and local community advocates who are passionate about improving quality of life. E4C seeks to enable this growing community to design, apply and share appropriate and sustainable technical solutions to achieve transformational results for humanitarian and global development challenges. Join the E4C community and make a difference! See www.engineeringforchange.org and register online. Registration is easy and there is no cost. Get involved in solving the world’s great challenges and transforming lives.

Engineers Week 2012

In April, ASME officially began its term as sponsoring engineering organization for **Engineers Week 2012**. The Society, along with corporate sponsor Battelle, is already well into planning the various activities comprising the next EWeek, which takes place from Feb. 19-25, 2012. As the EWeek chair, ASME has begun designing the schedule for a yearlong celebration of the engineering profession. Events that traditionally make up Engineers Week include the Future City Competition, "Introduce a Girl to Engineering Day," Discover E outreach activities in K-12 schools across the United States, and Family Day in Washington D.C.



ASME Get Connected

facebook LinkedIn twitter

Connect with engineering around the globe: Meet up with ASME on Facebook, LinkedIn and Twitter:

<https://www.facebook.com/pages/ASME-American-Society-of-Mechanical-Engineers/121032319833>

http://twitter.com/#!/ASME_FutureME

<http://www.linkedin.com/groups?mostPopular=&gid=36972>

MET SECTION UPCOMING MEETINGS

Schedules of upcoming meeting are as follows.

Executive Committee Meeting Schedule

January 13, 2011	5:30pm	Con Edison Building
February 10, 2011	5:30pm	Con Edison Building
March 10, 2011	5:30pm	Con Edison Building
April 14, 2011	5:30pm	Con Edison Building
May 12, 2011	5:30pm	Con Edison Building
June 9, 2011	5:30pm	Con Edison Building

The Technical Dinner Meeting dates for the coming year is:

December 9, 2010	8:00am	Energy Conference	Con Edison Building
December 16, 2010	5:30pm	TBD	Ukrainian Restaurant
February 15, 2011	5:30pm	Engineers Week	Polytechnic Institute
March 17, 2011	6:15pm	ASME Presidents Night	Con Edison Building
April 21, 2011	5:30pm	Flow Metering in Energy Management	Con Edison Building
May 19, 2011	5:30pm	The History of the Space Shuttle	Con Edison Building
June 16, 2011	5:30pm	Steam Coffin:Steamship Savannah...	Con Edison Building

Alonzo, Anthony E (718) 492-5584
321 - 51 Street
Brooklyn, N.Y. 11220 AEAAlonzo@yahoo.com

Berri, Sidi, Ph.D.
Professor, NYC Technical College, Mech Tech
300 Jay Street
Brooklyn, NY 11201 sberri@nyctc.cuny.edu

Das, Satyaprakash, Ph.D. (718) 390-7972
Professor, College of Staten Island, Applied Sci
2800 Victory Blvd
Staten Island, NY 10314
prakash@postbox.csi.cuny.edu

Edward G. Ecock, P.E. (212) 460-4830
Consolidated Edison Company of New York 4
Irving Place Room 2615-S ecocke@coned.com
NY, NY 10003

Haines, Daniel W., P.E. (718) 862-7279
Professor, Manhattan College, Mech Eng
Riverdale, NY 10471 dhaines@manhattan.edu

Hansen, Paul (973) 601-0510x235
Enercon Services, Inc.
400 Valley Road, Suite 301
Mnt Arlington, NJ 07856 hansenp@asme.org

Hauser, Peter (203)375-9000
88 Ryders Lane
Stratford, Ct 06614

Heller, Marian (212)-591-7079
ASME International
Three Park Ave
NYC, NY 10116 marian@marianheller.net

Hillenbrand, Gerard R., P.E (718) 343-4565
81-23 259th Street
Glen Oaks, NY 11004

Hladek, James (718) 982-2994
Professor, College of Staten Island, Mech Tech
2800 Victory Blvd.
Staten Island, NY 10314

Hong, Shane Y., Ph.D. (212) 854-2957
Professor, Columbia University, Mech Eng
500 W 120th St, 234 Mudd Bldg.
New York, NY 10027 sh295@columbia.edu

Jannone, Joseph, Ph.D., P.E. (516) 773-5473
Professor, US Merchant Marine Academy
300 Steamboat Road
Kings Point, NY 11024 jannonej@usmma.edu

Jiji, Latif M., P.E. (212) 650-5228
Professor, City College of NY, Mech Eng Dept
140th St & Convent Ave
NYC, NY 10031 jiji@me.ccny.cuny.edu

Kamil, Esmet M., Ph.D., P.E. (718) 399-4328
Professor, Pratt Institute
Higgins Hall N 201F
200 Willoughby Ave. ekamil@pratt.edu
Brooklyn, NY 11205 kamile@asme.org

Kinach, Wasy, P.E. (212) 669-2203
NYC Office of the Comptroller
Bureau of Engineering
1 Centre Street, Room 650
New York, NY 10007 kinachw@asme.org

Kumar, Sunil, Ph.D. (718) 260-3810
Professor, Polytechnic, Mech and Indust Eng
6 Metrotech Center
Brooklyn, NY 11201 skumar@poly.edu

Lai, W. Michael, Ph.D (212) 854-4236
Professor, Columbia University
500 West 120th Street, 220 S.W. Mudd
New York, NY 10027 wml1@columbia.edu

Madia, Joseph, P.E. (718) 579-1241
Consolidated Edison Co of NY,
1560 Bruckner Blvd.
Bronx, Ny 10473 madia@coned.com

Modi, Vijay, Ph.D (212) 854-2956
Professor, Columbia University, Chair-ME Dept
500 West 120th Street, 220 S.W. Mudd
New York, NY 10027 modi@columbia.edu

Melone, Michael J., Jr. (845) 228 9407
6001 Applewood Circle
Carmel, NY 10512
mikejr1@suscom.net

Nourbakhsh, Said
Professor, Polytechnic, Mech & Indust Eng
6 Metrotech Center
333 Jay Street
Brooklyn, NY 11201 snourbak@poly.edu

Omholt, Thore, Ph.D. (718) 409-7413
Professor, SUNY/Maritime College, Marine
Eng, Fort Schuyler
6 Pennyfield Ave
Bronx, NY 10465
thoreomholt@compuserve.com

Oussani, James Jr (718)-768-3380
The Staplex Company
777 5th Ave
Brooklyn, NY 11232 jim@staplex.com

Prasad, M., Ph.D. (201) 216-5591
Professor, Stevens Institute of Tech, ME
Castle Point on Hudson
Hoboken, NJ 07030
kpochira@stevens-tech.edu

Pritchard, Philip, Ph.D. (718) 862-7443
Professor, Manhattan College, ME Dept
Riverdale, NY 10471ppritch@manhattan.edu

Wei, Stan 212-353-4299
Professor, Cooper Union, Chair-ME Dept
51 Astor Place
New York, NY 10003 wei@cooper.edu

Torres-Castillo, Miguel (646) 252-3837
New York City Transit Authority
PO Box 70
Lahaska, PA 18931 Mitorre@NYCT.com

Weinberg, Erwin (718) 544-2491
69-10 Yellowstone Bld, Apt 611
Forest Hills, NY 11375
eweinberg1@nyc.rr.com

Zaza, Ahmed
244 5th Avenue, #D225
New York, NY 10001-7604
Ph.: 212-561-0800

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