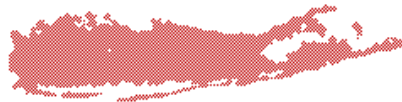


Long Island & Metro NY Chapter



Institute of Industrial Engineers

NEWS-LETTER

IIE-Vol.107 Issue 06

Gold Award Winner for 10 Straight Years (1997-2007)

June, 2008

Calendar of Events

June 18th, 2008 (Wednesday)
IIE June Meeting
Topic: Details on right

Sept., 16th, 2008 (Tuesday)
Topic: TBA

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Visit IIE Long Island Chapter on the web at:
www.iienet.org/long_island



Boost Your Career & Stay Connected
Joint IIE

(see Membership Information on page 2)

June MEETING

Wednesday, June 18^h, 2008

Time: Networking/Refreshments - 6:00pm, 6:30pm Presentation/Tour
Place: Kings Point, NY

Meeting Fee: no charge, A Lite buffet/dinner/refreshments will be provided

This is a joint event with the Long Island & NY Chapters of **IIE & SME**
Preregistration Required (see back page)

Topic: **Visit to U.S. Merchant Marine Academy**

Host: Tom Bussi & John Tuttle



The U.S. Merchant Marine Academy represents Federal involvement in maritime training that is more than a century old. Since the administration of President Ulysses S. Grant, the U.S. Government has initiated various programs to train its citizens for service in the merchant marine. The United States Merchant Marine Academy, dedicated in 1943, represents the realization of these efforts.

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The visit to the USMMA will consist of the following:

- A brief presentation about the Shipyard Management
- Engineering programs offered at the Academy
- Tour of the Engineering spaces including the Machine Shop Ship Simulator
- Walking tour of the Academy grounds including the Alternative Power Program Solar/Fuel cell powered home (time permitting)

Registration is required. See back page for registration information.

Institute of Industrial Engineers - Long Island Chapter #86

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Offices 2007-2008

President:

Tom Fiorella

Air Techniques, Inc.
B (516) 214-5588
H (718) 258-3143
email: tfior9651@msn.com

Vice President:

Bob Schroter

H (516) 489-4017
423 Elm St, West Hempstead, NY
11552-3226
email: rschroter1@optonline.net

Secretary/Treasurer:

Carolyn Chen

E-Z-EM, Inc.
B (516) 333-8230 Ext. 3423
H (718) 565-6820
email: cchen@ezem.com

Directors:

Robin Cole

Consultant
H (631) 586-1253

Peter Kontigiannis

Product Assurance Engineer
Cox and Company
B (212) 366-0200 x534
H (516) 484-1773
email: pkontog@coxandco.com

Richard Stripeikis

H (516) 8728350

Roop Tawney

National Storage & Conveyor Systems,
Inc.
B (631) 941-3900
M (631) 455-6460
email: NationalStorage1@aol.com

Newsletter:

Editor: Tom Fiorella
Assistant Editor: Carolyn Chen
Distribution: Bob Schroter &
Richard Stripeikis

PRESIDENT'S MESSAGE



It was another fabulous turnout at the Chapter's monthly meeting / tour that took place at Cooper Lighting in Hicksville, NY. Frank Zagari and the Cooper Lighting team provided a spectacular presentation and factory tour on LEAN principles put into practice. Please see the review of the meeting beginning on page 3.

We are now winding down for the summer break with our last meeting for the season. This month IIE & SME members and quest are invited to visit the U.S. Merchant Marine Academy in Kings Point, NY. I hope many of you will take advantage of this rare opportunity to see some of the engineering initiatives that are taking place at the Academy.

I would like to remind IIE Long Island & Metro NY Chapter members that the Chapter's election of Officers has been put off until this coming November as requested by IIE. This will help us to align with IIE's elections and annual tax filing. We are also planning to put to a vote a Chapter name change as a result of the combining of the Long Island and Metro NY Chapters.

Soon the Chapter Board will be busy planning the events for the new season beginning in September, 2008. We have been asked to provide a topic of interest that will be webcast for all IIE members in the Northeast Region in the month of January, 2009. I will appreciate your input for topic suggestions and/or an offering to present a topic that would be of interest. Please email me your suggestions and comments.

Chapter 86, President

Tom Fiorella

(Continued from page 3)

At the Hicksville plant the tour group were shown the CNC sheeting metal stamping machinery and the powder coating equipment which is used to paint all of the sheet metals components that are produced. I would like to thank Frank Zagari and Joe M. for providing the membership of IIE and SME with this very inspiring presentation and tour. It was truly a great example of LEAN / continuous improvement put into practice.

To learn more about Cooper Lighting please visit their website at www.cooperlighting.com.

CAREER OPPORTUNITY

Local job positions that may be of interest to IIE members are posted on the Chapter's website at www.iienet.org/long_island.

If you are an IIE or SME member and would like to post a job or a job wanted ad in the Newsletter and/or on the Chapter's website Career page please contact Tom Fiorella at tfior9651@msn.com.

MEMBERSHIP

Current Active Membership Long Island Chapter & Metro Chapters Combined = 120

About IIE

Founded in 1948, IIE is the premier society dedicated to serving the professional needs of industrial engineers and all individuals involved with improving quality and productivity. IIE has over 15,000 members and more than 280 chapters worldwide

Who benefits from membership?

There are hundreds of job titles given to people, who manage, design, install, or maintain integrated systems of people, machinery, and information. No matter what your job title, if you are the person called upon for solutions when there is an issue that requires your attention, you belong in IIE.

To become a member of IIE call

1-800-494-0460

or log onto to

**www.iienet.org & click on Membership
then on Join IIE**

Notice to IIE Metro Chapter Members

As part of the Long Island and Metro Chapter joint process, your Chapter affiliation will be changed to Long Island, NY Chapter 086 at the time your annual membership is renewed. To speed up the process please contact IIE Customer Service at cs@iienet.org or toll free at 1-800-494-0460 and request that your Chapter affiliation be switched to Long Island, NY Chapter #86. This will help us to received the funding that enables us to fund Chapter events and the Newsletter that you receive each month September thru June.

Thank-you for your support.

Institute of Industrial Engineers - Long Island Chapter #86

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Review of May Tour of Cooper Lighting

By: Tom Fiorella

The tour of Cooper Lighting in Hicksville on May 20th was well attended by IIE & SME members and guests. Frank Zagari, MVP & Lean Six Sigma Specialist along with Joe Macaluso, Manufacturing Engineer provided a comprehensive presentation and facility tour. The Hicksville facility is comprised of Neo-Ray Lighting and AtLite Lighting. Neo-Ray Lighting, which was purchased by Cooper in 1999, was originally established in 1942 and based in Ridgewood, Brooklyn. Neo-Ray's main focus is on Architectural Lighting, which in many cases is manufactured to the clients design specifications. AtLite, established in 1947 and purchased by Cooper in 1997, manufactures lighting for the emergency & egress lighting market. Both Neo-Ray and AtLite are union shops (Local-3 IBEW Electrical) which helps in marketing these products lines in Manhattan due to the electrical unions presents for most construction / installations jobs in the city.

The company made its transition to LEAN in 2004 after Neo-Ray and AtLite were merged into the current facility in Hicksville. Among the key action items as part of the continuous improvement efforts are:

- Cell creation
- Waste analysis and reduction
- Established Standard Work posted at point-of-use
- Continual Employee engagement
- 2-Bin Kanban replenishment signals
- LEAN Supplier Base - VMI (Vendor Managed Inventory)
- 5S & Housekeeping
- Fail Fast Methodology
- Visual Management and Controls - 5-second rule
- Incorporation of SMED (Single Minute Die Exchange)
- Focus on SQDC (Safety, Quality, Delivery, & Cost) with point-of use metric boards
- Continual Education and Improvement

Since there was a large turnout for the tour the attendees were split into to groups. I tagged along with the group lead by Frank Zagari. Even though the implementation of the LEAN principles were evident, Frank made it a point to note that there is a desire to further reduce the WIP (Work In Process) that is still a challenge with the sheet metal components. Frank challenged the group to come up with suggestions on how to make further improvements and write them down on post-it-notes.

At each of the U-shaped assembly cells were tri-panel display which contained all of the pertinent metrics such as Safety - Quality -



Frank Zagari at Cell Tri-Metric board

Delivery - Cost goals, hour by hour charting of production against standard, posted corrective actions for missed goals, posting of improvement ideas, 5S / Housekeeping scoring. Each of the work cells is designated by a color (ex.: The Red Cell, The Blue Cell, etc.), which helps to signify what belongs to a particular cell. (Ex.: Tools that are dedicated to a cell are painted in the cell color).



Pallet rack of finished goods with drop-down Kanban banner

Parts bins and storage rack items were clearly labeled and located close to the point of use including the VMI items. Finished goods that were stored on pallet racks adjacent to the work cells used a simple visual method of a banner that dropped down when a pallet was pulled from the pallet location. This in effect is a 2-bin Kanban signal. When a pallet on the ground level of an item was depleted, the pallet of the same item was lowered to the floor thereby allowing the banner that displayed the part number and item description to be plainly seen indicating that more of the items were to be produced.



Frank Zagari in front of Daily Accountability Board

Another visual metric board that is displayed out on the factory floor is the Daily Accountability Board. Managers and Leads meet at 1pm every workday to review action items and report progress and related issues. Also, very visual on the factory floor are the results of the 5S initiatives which includes: clearly marked aisles, markings on the floor to indicate where equipment and housekeeping items are to be placed (ex. Pallet Jack). In additions there are visual aids to facilitate material flow. (Continued on page 3)

Next IIE / SME Meeting - Wednesday, June 18th, 2008

Topic: Visit to The U.S. Merchant Marine Academy

Time: Networking/Refreshments: 6:00PM, Presentation/Tour : 6:30PM

Place: Kings Point, NY

(see page 1 for details)

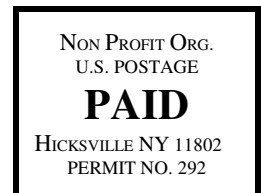
Reservation must be received no later than **Monday, June 16th** - *Fax to: Tom Fiorella, 516-740-4616, or Mail to: Bob Schroter, 423 Elm St, West Hempstead, NY 11552-3226, or email: Tom Fiorella at tfior9651@msn.com with: Name, Title, Company for yourself and each guest. For contact person please indicate: address, member affiliation (IIE / SME), phone, fax, and/or email address.* For inquiries call Tom at 516-214-5588

NAME	TITLE	COMPANY

Send Directions to: _____	Phone Day: _____	Member Affiliation (IIE/SME): _____
Address: _____	Phone Eve. _____	Include fax or email for a speedy reply.
Address: _____	Fax: _____	You will receive complete directions and instructions to Cooper Lighting once your reservation has been received.
City/State/Zip: _____	email: _____	

June, 2008 Newsletter

Institute of Industrial Engineers
Local Chapter # 86
423 Elm Street
W. Hempstead, NY 11552-3226



Postmaster:
Address Service Requested & Forwarding Service Requested

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