



Institute of Industrial Engineers Chapter 47, Greater Detroit Area, Michigan

NEWSLETTER

Mission: It is the mission of the Greater Detroit Chapter to promote the advancement of Industrial Engineering by providing professional development information and resources to our members and the community.

**September 2010
Volume 54, No. 2**

2010 Officers

President

Jeff VandenBoom, Henry Ford Health System
(313) 874-6291, president@iiedetroit.org

Executive V.P

John Preston, Dura Automotive Systems
(989) 225-9965, exec_vp@iiedetroit.org

V.P Administration

Lanie Dixon, Henry Ford Health System
(313) 874-8391, administration@iiedetroit.org

V.P Web Development

Paul Gunnels, Henry Ford Health System
(313) 916-1301, webmaster@iiedetroit.org

V.P Communications

Alex Bohn, William Beaumont Hospital
(248) 597-2742, newsletter@iiedetroit.org

V.P ESD Affiliate Council & V.P Programs

Dave Cottrill,
(248) 635-8152, programs@iiedetroit.org

Asst. V.P Programs

Vanda Ametlli
programs@iiedetroit.org

V.P Finance

Kerry Coran, Crittenton Hospital
(248) 404-7933, kerry.raschke@gmail.com

V.P Membership

Kimberly Gunn
(313) 515-4214, membership@iiedetroit.org

Regional V.P

Gary Altman, Crittenton Hospital
(248) 601-6210, gdaltman@gmail.com

Kahled Mabrouk Process Improvement Presentation

This April, Kahled Mabrouk presented for the GDC. His presentation, titled "For Your Process Improvement Path: Choose Wisely", contained great insight into how to effectively choose and use Industrial Engineering tools from a management perspective. One of our VP of Programs, Vanda Ametlli, wrote all about it.

Full article on page 3.....

Affiliate Council Presentation

On Wednesday, May 12th, IIE-GDC President, Jeff VandenBoom presented to the Engineering Society of Detroit Affiliate council a presentation on the GDC all about it.

Details and pictures inside.....

2010 Annual Competition - EVP Report

Earlier this year, our Executive Vice President John Preston attended the 2010 Annual IIE Conference in Cancun Mexico. Between soaking up sun on the beach and snorkeling in the blue waters, he found the time to see some speakers and research presentations.

See his full write up on page 2.....

2010 Programs

Upcoming Programs

- **Thurs, October 7** Harbour Report and IIE/SHS Networking Event
- **Fri, November 12** Annual IIE Lean Six Sigma Symposium
- **December, TBD** Annual Holiday Dinner

Check out details at Greater Detroit Chapter Website at:

www.iiedetroit.org

2010 Program Updates

2010 Kahled Mabrouk Presentation

LEAN Six Sigma Symposium Flyer

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2010 Program Updates

2010 Annual IIE Conference Review

By: John Preston

Attending this year's IIE Annual Conference in Cancun was a great experience for me! I had the chance to meet industrial engineers from research and industry and hear them share personal insights on our profession. The conference brought together young IE students as well as seasoned veterans of the trade. I found it inspiring listening to students present their research. Their enthusiasm and perspective was encouraging to me.

I also enjoyed watching Rob Savage, COO of Taco Bell, present how his career path in IE has well prepared him for positions in leadership. Rob talked about how valuable IE principles were in reforming the Taco Bell chain and how he has employed those principles across different industries with great success. Attending the Applied Solutions sessions, I had the opportunity to listen to experts share how they use IE tools to make their projects successful.

Overall, it was a great experience and a big boost to my IE morale! I would recommend attending the conference to anyone looking to refresh their IE skills or just to get inspired. Next year's conference is in Reno, Nevada May 21-25. The world's "Biggest Little City" will be a great venue for the conference. It's not only one of North America's biggest gaming destinations, but is also home to slot machine manufacturers. Attendees to next year's conference may get to study the entire value stream of a slot machine! Bring your quarters!

John Preston
Executive Vice President – IIE Greater Detroit Chapter

Affiliate Council Presentation

By: Vanda Ametlli

On Wednesday, May 12th, IIE-GDC President, Jeff VandenBoom presented to the Engineering Society of Detroit Affiliate council a presentation on the IIE chapter. The Affiliate council is composed of professional engineering organizations around the Metro-Detroit area. The presentation included not only an overview of the chapter's involvement in programs with their members and student chapters but also touched upon the definition of what "Industrial Engineering" is, type of careers for Industrial Engineers and the tools that they use.

Much discussion followed on the type of tools that industrial engineers use such as "Project Management" and "Six Sigma". In addition, the audience had questions on the role of industrial engineers in healthcare and wanted to hear on any barriers that industrial engineers faced in the healthcare field. IIE-GDC was applauded for their commitment to membership programs, community projects and student chapter outreach.

The IIE Detroit Chapter #047 has 186 members in the greater Detroit metropolitan area. See our website at <http://www.iiedetroit.org/>.

You may contact the following local Greater Detroit IIE Chapter Officer for additional info:
Jeff VandenBoom, President president@iiedetroit.org



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Kahled Mabrouk Process Improvement Presentation

By: Vanda Ametlli

On April 21st, 2010, Khaled Mabrouk, a process improvement leader and past IIE Detroit member presented to the Greater Detroit Chapter membership. Khaled's presentation topic "For Your Process Improvement Path, Choose Wisely" attracted IIE-GDC members, healthcare leaders and academic professionals. The presentation began with a brief background on the progression of industrial engineering as a field and some definitions on process improvement terminology such as lean, six sigma and continuous improvement. Khaled added that the use of these terms individually do not encompass the process improvement process. The traditional engineering problem solving approach, problem definition, problem analysis, generating problem solutions, analyzing solutions and selecting best solution all use different process improvement "terms" such as lean, six sigma, OEE, and workforce engagement to achieve results.

The bulk of the presentation focused on factors to consider when choosing an improvement strategy. Factors such as a company culture and type of workforce engagement impact the type of process improvement path that an industrial engineering should choose to pursue. Khaled concluded by presenting the group a simple algorithm in selecting the correct path to choosing the correct process improvement project type. A discussion on the presentation followed. The event free of charge to the members also served as a community service project. Each participating member was asked to make donations that went towards C.O.T.S. Detroit (Coalition on Temporary Shelter). The IIE - GDC board donated \$150.00 to support COTS Detroit shelter services.

Membership Info

Total Members: 167

New Members: 1

Members Reinstated: 4

**Over 20 memberships expire in the next 2 months!
Please check your membership status and renew if needed.**

We have a lot of great programs coming in 2010 and you need to be a member to take advantage of discounted pricing!

2010 Affiliate Council

IIE GDC President Jeff VandenBoom presents to the Council on Student Outreach



2010 IIE Annual Conference

Mayan welcome reception introduces IIE President Roman Hlutkowsky





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IIE and Crittenton Hospital Medical Center present

**Lean Six Sigma Symposium
Sustaining Excellence!**

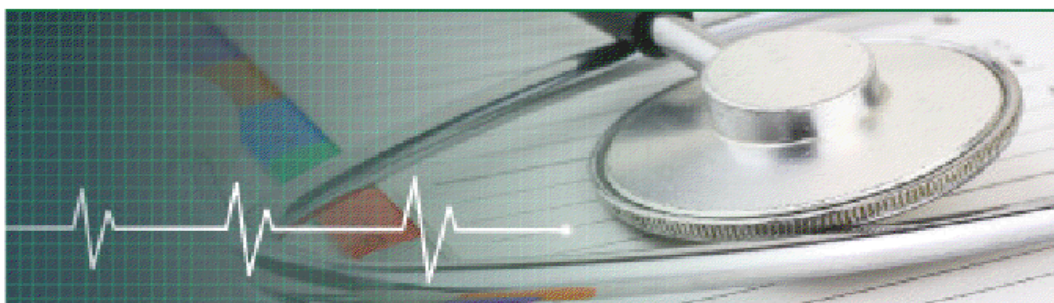


When: Friday, November 12, 2010

Time: 7:00 am - 3:30 pm

Where: Crittenton Hospital Medical Center, Rochester Hills, Michigan

Special guest speaker: Marci Jackson, President of the Society for Health Systems and Manager at Premier Inc.

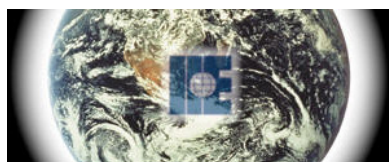


4 Tracks Offered -

1. **Lean Workshop** - Hands-on learning about lean tools and processes.
2. **Continuous Improvement** - Proven methods and examples of sustaining improvements within your organization.
3. **Baldrige Workshop** - A guide to your Baldrige certification.
4. **Research Studies** - Research projects and case studies improving operations.

Registration opens August 14th

Register at www.iiedetroit.org



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www.iiedetroit.org

Newsletter questions:
communications
@iiedetroit.org