



**Institute of Industrial Engineers  
Chapter 47  
NEWSLETTER  
Greater Detroit Area  
Michigan**

**Mission:**  
*The Mission of the Detroit Chapter is to promote the advancement of Industrial Engineering by providing professional development information and resources to our customers.*

**Volume 49, No. 3**

**Aug-Oct, 2005**

Visit us on the web [http:// www.iiedetroit.org](http://www.iiedetroit.org)

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University of Michigan, Dearborn, Eric Lammers  
Wayne State University, Virginia Lingham  
Oakland University, Neha Pathan  
Kettering University A, Michelle Ross  
Kettering University B, Miles Chen

**Wednesday, August 17th  
The Harbour Report**

**Speaker: Mr. Mark Tuckfield**

The Harbour Report is a comprehensive annual view of how North American automobile manufacturers stack up on clearly defined metrics of productivity. Specifically:

- \* Who are the best and what separates them from the rest?
- \* Which automakers are improving the most?
- \* What strategies are different companies pursuing to raise productivity?
- \* What does the data show about the future?

**Cost:** \$30 IIE Members, \$35 Non-Members, \$20 Students

**Registration & Networking:** 5:30 - 6:00 PM

**Dinner:** 6:00 - 6:45 PM

**Keynote Speaker:** 6:45 - 7:45 PM

**Location:** The Gazebo, 31104 Mound Road, Warren, MI, 48091, (586) 979-6030

**Note:** RSVP required. Contact Kristen Cavender, kcavender@beaumont-hospitals.com



**Tuesday, September 20  
IIE & Oakland University  
Student Outreach Event**

**Keynote Presentation: Manufacturing is a Data Processing Operation**

**Speaker: Dr. Patrick Hillberg**

**Pizza & Pop:** 6:30 – 7:00 PM

**Informational Session:** 7:00 – 8:00 PM

**Location:** Oakland University, Science and Engineering Building, Room 757 (located in the 7<sup>th</sup> floor with the tower). See Map on Page 4.

**RSVP:** Kristen Cavender, kcavender@beaumont-hospitals.com, or (248) 964-8832

**Friday, October 21st  
Lean Six Sigma  
Value Management Symposium**



The Greater Detroit Chapter of the Institute of Industrial Engineers invites you to its 3rd annual symposium. Join us for a day with highly reputed and recognized experts on Six Sigma, Lean Manufacturing from the Manufacturing, Service and Healthcare industries and increase your awareness of Six Sigma techniques. See the activities, speakers and workshops on Page 5. Detail announcements will be upcoming in email and future mailings. Visit [www.iiedetroit.org](http://www.iiedetroit.org) for updates.

**RSVP:** Kristen Cavender, kcavender@beaumont-hospitals.com, or (248) 964-8832

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# President's Message

by Bijay Nayak



Hello IIE Members &  
IE Practitioners,

I hope you had a wonderful Summer break. With slight pause in July, 2005, the Greater Detroit Chapter is back in full swing with its 3rd quarter chapter programs which are planned for variety of activities such as Harbor Report (August 2005), Student Chapter Joint meeting (Sept. 2005), and Lean Six Sigma Value Management Symposium (Oct. 2005).

The 2005 Lean Six Sigma Value Management Symposium preparations are under way. The speakers and workshop leaders are finalized. This year besides listening to the expert speakers on various interesting topics, you will have an opportunity to attend the workshops on Lean Concepts, Six Sigma and Value Management led by expert workshop leaders. Very soon we will be sending out the symposium flyers and e-mails. Please be on the look out and mark your calendar for October 21<sup>st</sup>, 2005.

Tej Jhamb, Vice President-Elect attended 2005 IIE National Conference in Atlanta, Georgia. Greater Detroit Chapter sponsored IE students from University of Michigan - Ann Arbor, Wayne State University - Detroit and University of Michigan - Dearborn to attend 2005 IIE National Conference. The participation of students from IIE Student Chapters was overwhelming.

The chapter is constantly looking for additional members with leadership skills and professional interests to serve on IIE Greater Detroit Chapter Board. If you are interested in serving on the board and getting actively involved in the chapter decision making, please e-mail your interests to me.

In the 3rd quarter my personal focus will be on to:

1. Support Symposium Steering Committee for organization and marketing of symposium.
2. Complete IIE-GDC Standard Operating Procedures (SOP) Manual.
3. Support IIE Student Chapters to develop their organizational leadership & professional skills, and promote IIE within universities.

I personally thank you all for your membership and continuing support to IIE Greater Detroit Chapter. I

encourage you to participate actively in the day to day activities of the chapter. I welcome you to get involved in the Board activities by attending Board meetings. If you have any comments or recommendations, please feel free to send me an e-mail at [bnayak@msn.com](mailto:bnayak@msn.com).

With best regards.

*Bijay*

## Up Coming Events in 2005

- Aug 17, 2005, The Harbour Report
- Sep 20, 2005, Student Chapter Joint meeting
- Oct 21, 2005, IIE Symposium
- Nov 15, 2005, Roundtable Panel Discussion by Experts
- Dec 16, 2005, Inauguration and Holiday Dinner

## Chapter Activity Report

by Jayant Trewn

Chapter Activity Area	Anticipated 2005 Score	Current Score	Possible Points
Plans & Operations	15	4	15
Chapter Programs	15	10	20
Membership Communications, Growth, & Retention	20	15	25
Student Outreach & Community Affairs	20	20	20
Members, Chapters, & Institute Support	20	16	20
Total	90	65	100
The average membership of chapter over past two years:		246	
This chapter falls into size class:		A	A
Tentative award is:		Gold Award	Silver Award

Anticipated Gold Award Score Based on:	
Hosting Six Sigma Symposium	
Running all monthly programs	
On time submission of annual chapter strategic plan	
Securing Platinum award for newsletter (35 CAR points)	
Areas of opportunity for points:	
Membership activities / Membership Recruitment Activities	
Increase member attendance at monthly programs	
Increase Member/Chapter/Institute support	

# The Harbour Report

Wednesday, August 17th



The IIE Greater Detroit Chapter invites you to join us for dinner and an exciting opportunity to learn about the 2005 Harbour Report and the story behind it as presented by Mark Tuckfield, a senior consultant with Harbour Consulting in Troy, Mich.

The Harbour Report is a comprehensive annual view of how North American automobile manufacturers stack up on clearly defined metrics of productivity. Specifically:

- Who are the best and what separates them from the rest?
- Which automakers are improving the most?
- What strategies are different companies pursuing to raise productivity?
- What does the data show about the future?
- Which companies have the most unused capacity and what are they doing about it? Some of the findings will surprise you.

## 2005 Harbour Report

Date: Wednesday, August 17, 2005

Time: Registration and Networking: 5:30 - 6:00 PM

Dinner: 6:00 - 6:45 PM

Keynote Speaker: 6:45 - 7:45 PM

Location: The Gazebo

31104 Mound Road, Warren, MI, 48091,

(586) 979-6030

## General Directions:

From Interstates I-75 and I-696 Interchange:

Take I-696 East to the Mound Road exit,  
exit number 22 (3.2 miles)

Keep Left at the fork in the ramp

Merge onto Mound Road (1.8 miles)

Enter off of Mound Road on the North East corner

Cost: \$30 IIE Members  
\$35 Non-Members  
\$20 Students

**Registration and Networking: 5:30 – 6:00 P.M.**

**Dinner: 6:00 – 6:45 P.M.**

**Keynote Presentation: 6:45 – 7:45 P.M.**

## **The Harbour Report 2005**

Efficiency and productivity are key elements to any successful manufacturing endeavor. The Harbour Report is a comprehensive annual view of how North American automobile manufacturers stack up on clearly defined metrics of productivity. The evening's discussion will focus on The Harbour Report 2005 and the story behind it. Who are the best and what separates them from the rest? Which automakers are improving the most? What strategies are different companies pursuing to raise productivity? What does the data show about the future? Which companies have the most unused capacity and what are they doing about it? Some of the findings will surprise you.

## **Speaker: Mr. Mark Tuckfield**

Mark Tuckfield is a senior consultant with Harbour Consulting in Troy, Mich., where he has worked with a variety of manufacturing clients on three continents. In addition to assessing current production processes, Mark has collaborated with Harbour's clients on transforming their plant-floor productivity through the principles of lean manufacturing. Mark also is major contributor to The Harbour Report, compiling and analyzing data for the annual productivity report card for North American automobile manufacturers. Mark's auto industry career spans more than two decades with experience ranging from long-term manufacturing strategy and product planning to manufacturing process development.

**Harbour Consulting** is a manufacturing and management consulting firm focused on improving the overall competitiveness of manufacturing companies. Our Harbour team is dedicated to helping companies develop and sustain a competitive advantage by implementing proven quality and productivity techniques. Our company continues to study and service automotive manufacturing organizations throughout the world, and has expanded its scope to assist firms in such industries as pharmaceuticals, electrical components, caskets, furniture and paper products.

In addition, Harbour Consulting publishes **The Harbour Report**, the annual study of automotive manufacturing performance.



# Institute of Industrial Engineers (IIE) Greater Detroit Chapter 47

## Lean Six Sigma Value Management Symposium - Friday, October 21st, 2005

**Location : William Beaumont Hospitals, Royal Oak, Michigan**

### Symposium Scope:

Healthcare, Service & Manufacturing Industry  
 Performance Improvement with emphasis on Productivity, Lean Concepts and Six Sigma Techniques  
 Presentations, Workshops and Awareness Seminars

### Audience:

Productivity, Lean Operations, Six Sigma, Value Management Professionals  
 Healthcare Practitioners and Facilities/Operations Personnel  
 Manufacturing & Service Industry Professionals  
 Performance Improvement Consultants, Trainers, Academics and Students  
 Industrial Engineers, Process Improvement Engineers, Value Engineers and others



Save the date. Friday, October 21, 2005.

This is the Greater Detroit' Chapter's 3rd annual symposium. The two previous symposiums have attracted more than 100 attendees each and registrations were filled to capacity. Don't miss out on this year's event. Detail announcements will be upcoming in email and future mailings. Or, visit [www.iiedetroit.org](http://www.iiedetroit.org) for all updates.

Join us for a day with highly reputed and recognized experts on Six Sigma, Lean Manufacturing from the Manufacturing, Service and Healthcare industries and increase your awareness of Six Sigma techniques.

The presentations are designed to demonstrate practical applications that have generated tangible results and they will provide attendees knowledge about tools and techniques that can be implemented immediately in their organizations. The symposium is designed to benefit attendees of various experience levels.

See you there!

	Time	Activity	Speaker / Workshop Leader	Location
1	08:30 AM - 09:00 AM	Registration	Registration Committee	Registration Desk
2	08:30 AM - 09:00 AM	Coffee/Bagels - Networking	Food Service Committee	Foyer
3	09:00 AM - 09:15 AM	Welcome and Introduction of Symposium	Dr. Bijay Nayak, IIE-GDC President	Conference Room
4	09:15 AM - 10:00 AM	Keynote Address (Presentation)	Dr. Vinod Sahney, Ford Health Systems	Conference Room
5	10:00 AM - 10:45 AM	We are not alone : The Globalization of Healthcare (Presentation)	Dr. Debra Levantrosser, Production Modeling Corp.	Conference Room
6	10:45 AM - 11:30 AM	Lean Concepts in Healthcare Industry (Presentation)	Charles DeBusk, GE Health Systems	Conference Room
7	11:30 AM - 12:15 PM	Unified Manufacturing Theory (Presentation)	Dr. Patrick Dessert, Oakland University	Conference Room
8	12:15 PM - 12:45 PM	Lunch	Food Service	Conference Room
9	12:45 PM - 3:30 PM (Coffee Break - 15 Minutes)	Lean Concepts Workshop	Ron Crabtree, RSC Consulting	Room - A
10	12:45 PM - 3:30 PM (Coffee Break - 15 Minutes)	Six Sigma Workshop	Dr. Jayant Trewn & Kristen Cavender, William Beaumont Hospitals	Room - B
11	12:45 PM - 3:30 PM (Coffee Break - 15 Minutes)	Value Management Workshop	James Bolton, TRW Automotive & Christopher Quattrin, The Christman Company	Room - C
12	3:30 PM - 3:55 PM	Industrial Engineering in Healthcare Industry (Presentation)	Jean-Ann Larson, William Beaumont Hospitals	Conference Room
13	3:55 PM - 4:00 PM	Concluding Remarks & Thank You	Dr. Bijay Nayak, IIE-GDC President	Conference Room

## ACTIVITIES FROM IIE STUDENT CHAPTERS

Wayne State University, University of Michigan - Dearborn, University of Michigan - Ann Arbor, Oakland University, Kettering university

**Wayne State University (WSU) IIE student members** attended the IIE National Convention in May and wrote about their events at the National Convention. The focus was to the IME Department at WSU, who also helped to fund the trip.

By Dave Cottrill

### IIE 2005 National Conference in Atlanta

**Dave Cottrill** and **Soufiane Andaloussi**

attended the IIE 2005 Annual Conference from the registration on Saturday night until the Thursday afternoon Simulation Sessions on Thursday afternoon. We did manage to take the train from the airport to downtown, see parts of Midtown, the Coca Cola Museum, the Underground, CNN Towers and certainly Peachtree Street. We arrived on Saturday May 14<sup>th</sup> and returned home on Thursday May 19<sup>th</sup>. We registered on Saturday afternoon and arranged to get a mentor for the conference, who we were to meet on Monday Morning. Sunday we attended the Student Technical Paper Competition from 8:00 AM to 12:00 PM, then the Student Session "How to get the Most Out of the Conference" from 1:00 PM to 2:30 PM.



Photo of Soufiane inside the CNN Towers.

On the first days we met many other students. We viewed the Student Technical Paper Competitions from the eleven different regions of North America which included Mexico and Chile. Many of these papers were based on the student's Senior Design Project. One quite good presentation was from an Operations Research Class project. The student from Iowa State gave his talk on "Modeling and Analysis of an Asset Tracking System". This was an analysis of the RFID critical tool. His paper addressed how to quantify qualitative data.

The Student Simulation Competition Finals were from 3:00 PM to 5:00 PM. All of the Student Simulation Groups analyzed the same problem which was to determine the maximum capacity of a steel mill. An extra condition was added during the conference so that which the student team had to adjust their model to account for the additional condition. The winners were the students from the Korean University. Their first step was to analyze the ultimate constraint, which was the blast furnace of the steel mill, and to determine its maximum throughput. All other constraints such as the number of hi-lo's could easily be increased. Adding an extra Blast Furnace is not a viable alternative. The Korean team also analyzed far more detail to look for constraints than the other teams.

We met other students from Texas A & M, which had a large contingency, some from U of M-Dearborn, and a number from the Mexican Universities. During the previous week Soufiane and I had been on a Wayne State Lean Manufacturing Tour at the NUMMI Plant in Fremont, California and the GM Ramos Arizpe plant. On Saturday night we met some students from Coahuila Province in the State of Monterey in Mexico where we had just been. They were also staying at the Days Inn.

The Student Sections talked about:

1. Finding the Right Job for You.
2. Graduate School: MBA vs. MSIE
3. Professional Development and the Importance of Becoming a Professional Engineer
4. Paul F. O Connell of Operations Concepts Inc gave a talk called "Jump Start Your Career". This presentation stressed the advantage of becoming a project manager for starting your career. Project managers at his company are involved in lean operations problem solving.

A number of the Solutions Presentations I found fascinating. "Building Tires in a Whole New Way" by Michael Dunn of Bridgestone/Firestone explained how this Japanese company was able to build in South Carolina a tire factory that operates in a J-I-T rather than in batch operations. The old method from the 1940's of tire manufacturing requires a worker to touch the tire at seven different steps during the manufacture. The present method requires only one. Now tires are made in a very large U shaped cell. The tires are formed in the center of the U and then fed to the U shaped curing area.

The plant produces tires primarily for SUVs and for the Toyota Camry. This Bridgestone Tire Factory won the Shingo Award in April 10, 2002. The plant desires to teach the Kaizen Mindset of continuous improvement, safety, quality, and production to all parts of the factory.

An interesting talk on Wednesday, "Creating Lean Future States" by Gene Burk of Duggan & Associates stressed that Kan Ban is the third inventory reduction system to use. First is one-piece flow, then FIFO. If you do these your inventory will be flowing. Only after performing these inventory methods does the company do Kan Ban.

Carrie Bradley who is receiving a BSIE from Texas A&M University-Commerce recounted her experience of creating an IIE chapter at her campus. She figured that to join the main campus chapter would make her a member in name only, so she started one at Commerce. Her paper was entitled "Integrating Student Leadership, Honors Programs and Internships for Student Success". Creating and maintaining an IIE Chapter was her way of creating student leadership. The Honors Program gave good leadership projects at almost graduate level and internships provided connections with the Senior IIE Chapter and industry. These activities built faculty mentoring relationships, developed communication skills, created academic distinction, built lifetime relationships, and facilitated networking relationships. Her overall advice was this is your organization; its success is up to you.

"Engineering Standards-The Good, Bad and the Ugly" by George Bishop LxL International was an excellent speech about how to implement labor standards. He would be a good speaker for Contract Clauses portion of the Labor Relations Class. He described the good situation where management accepts the labor standards and approves of them. The other situations result when the workers are not meeting these reasonable standards and management temporarily lessens the standards. This is the start of the Bad. The next year the workers do not meet these standards

## ACTIVITIES FROM IIE STUDENT CHAPTERS

Wayne State University, University of Michigan - Dearborn, University of Michigan - Ann Arbor,  
Oakland University, Kettering university

(continued from previous page)

either, so the standards are lessened this one more time. Soon the standards are meaningless. This downward spiral usually continues for about six years, until management asserts itself and the labor standards.

Two of the most fascinating presentations were "Automating Lean Principles Using Excel" by William Ingram III and "The Power of VB in Excel that Allows the Manipulation of Large Scale Data Sets and the New Age Interface", by Ken Delgreco of Kettering University. William Ingram used excel to make simulations because his company was unable to afford a full-fledged simulation package. By the use of pivot tables he was able to identify constraints and was able to clean up his data before going to a SAP Software Package. Being able to understand where the data came from and the ability to correct the data before SAP implementation helped immensely in the software transformation.

Kenneth Morrison, a Professor at Kettering University gave a presentation on "Simulating Demand Chain Models Using Web-enabled Decision Support Techniques in ARENA". This presentation showed how Ken used the .NET environment by Microsoft to enable new decision support solving techniques. Professor Morrison also discussed the software that Kettering currently uses and will be using. Having personally experienced the computational size limitations of Excel Solver, I was interested in that Kettering will soon be using Opt Quest for large scale computations. Kettering's only other possible response to the clients of the University's Senior Design projects would have been, "I'm sorry we can't solve your optimization problem, your medium sized company's problem has too many variables. Opt Quest is more likely to be able to solve these problems than Excel Solver.

Both Soufiane Andaloussi and I thank the Institute of Industrial Engineers, Chapter 47 – Greater Detroit for your support.

Dave Cottrill

### **University of Michigan – Dearborn, IIE Chapter 900**

#### *Student Activities for 2004-2005*

By Eric J. Lammers

The recent revitalization of the University of Michigan – Dearborn Student Chapter 900 of the Institute of Industrial Engineers (IIE) spawned numerous activities throughout the 2004-2005 school year. Most of the activities consisted of efforts to reorganize the group to a more properly functioning society; these responsibilities were held mostly by Jory Bales (President), Renee Amodeo (Vice President) and Dr. Swatantra Kachhal (Faculty Advisor).

The initial task for our chapter was revamping the IIE campus office. This included working with the IT Department in obtaining modern computer hardware and software and collecting materials to establish a library of resources for our members. The next major task was to recruit more students to join our chapter. Students were made aware of IIE's existence and were notified of the advantages of joining the group. This information was

conveyed verbally on campus (in Industrial Engineering courses) and electronically to all students majoring in the Industrial & Manufacturing Systems Engineering (IMSE) Department. These steps proved to be vital in our quest for new members as we were able to quadruple our roster. The chapter's available funding and account information was determined through the research efforts of Angela Nolte (Treasurer); other various organizational tasks were headed by Claudia Garza (Secretary).

This year our chapter has held regularly scheduled meetings to encourage involvement and communication among our members. Our organization was photographed by the school's engineering newsletter, *Dearborn Engineer*, due to their interest in our newly revived chapter. A heightened awareness and better communication between our organization and the surrounding engineering community allowed for several of our members to attend Greater Detroit Chapter meetings, the Engineering Society of Detroit Entry-Level Job Fair, and the Order of the Engineer Ceremony.

We had a great turnout this year for attendance at IIE-sponsored conferences. Attending the Region IV Conference at Western Michigan University this past February marked our chapter's first appearance since the mid '90s. Seven students were able to attend the conference, all of which found high value in hearing the seminars and observing the technical paper competition. Six of our members were able to attend the Annual Conference in Atlanta; one of our members stayed for the Simulation Solutions Conference held afterwards. A strong network among other IE students, faculty, experts, and professionals was established at each of these events.

Our chapter ended the school year with a social event held at the university. Almost all of our members were able to attend the event, which featured Vito Wasniewski's presentation of "Dynamic Budget Modeling" after dinner. In addition to Vito, several of our faculty members and GDC board members were in attendance at the event.

Future activities for our chapter are continuously being researched and developed. We have started to revise our chapter's website which will include links to the local IIE student chapters, and will offer valuable information for our members. The site should be up and running by mid-summer. We plan to begin combining some of our events with the other local IIE student chapters in an effort to maintain an ongoing relationship with our fellow members. We have already arranged to send several of our members to the 2006 IIE Region IV Conference in February at Purdue University, and hope to make an appearance at the 2006 IIE Annual Conference held next year in Orlando. Fundraisers will precede each of these events.

Chapter 900 is pleased to once again play an active role in the engineering community and appreciates the support of those who continue to take part in our activities. Our affiliation with the GDC and our reputation among the surrounding engineering community is expected to become stronger as the upcoming year approaches.

Eric J. Lammers, 2005-2006 President, IIE Chapter 900  
University of Michigan – Dearborn [iie@engin.umd.umich.edu](mailto:iie@engin.umd.umich.edu)

## Membership Report

From 5/4/05 To 7/5/05, TOTAL MEMBERS = 245

### NEW MEMBERS

Moore, Alexander M.	Ray, Koushik
Chelst, Kenneth	Lapinski, Jackie
Lewis, Mark Edwin	Kaufman, David L.
Eskigun, Erdem	Wilson, Patrick D.
Martin, Sue A.	

### TRANSFERS INTO THIS CHAPTER

Polich, Jill Mills	Moser, Paul E.
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## Membership Activities

### PUT-IN-BAY REGIONAL PICNIC

Region IV of the Institute of Industrial Engineers (IIE) invited its chapter membership to a Summertime Event at Put-in-Bay per email invitation. We are awaiting photographs and stories for our next newsletter.

The event was planned on July 30 by our interim Regional Vice President, Vito Wasniewski, at Put-in-Bay on Lake Erie. This event was open to all chapters within Region 4, which includes Ohio, Kentucky, Indiana and Michigan.

There were free Hamburgers and Hot Dogs to all IIE Region 4 members - after that retire to the pool at the Island Inn - then dancing and merriment all night long at various establishments.

Send in the photographs!

### Other news around the Chapter:

**Victor Lloyd**, VP Community Service, has been elected to be the Chair of the Property Management Committee to oversee 35 large apartment buildings in the Cass Corridor Community.

**Vito Wasniewski**, VP Finance, presented Dynamic Budget Modeling at University of Michigan, Dearborn IIE Student Chapter's End-of-Year Social event on May 4th and is the new interim RVP of IIE Region IV.

The Greater Detroit IIE Chapter has successfully organized **6 Sigma and Lean Training** in March and April this year as a follow-up to the October 2004 Symposium.

## Membership Activities (CONTINUED)

By Tej Jhamb

### IIE Annual Conference Atlanta May 16-18, 2005

The following are some "State of the IIE" Highlights shared at the Atlanta conference during leadership training;

>> Membership - 40,000 in 1985, 15,000 in 2005

>> Institute is currently financially solvent.

>> Institute's Strength

In 2005 there are 9000 (B.S.,M.S., Ph.D) graduates in the pipeline (7132 in 1995, 8920 in 2004)  
Bank Balance was \$600,000 and last year profit was \$200,000  
Endowment \$1.1M.

>> Institute's Weaknesses

Connectivity with members needs improvement  
Vacant volunteer position  
Role of divisions need improvement

>> Institute's Threats

"I was an I.E."  
Many IE's become specialized  
National Academics - less than 7% are IE's  
Lack of alignment with Academics.

>> Institute's Opportunities

Local US chapters (85)  
International chapters ( 20)  
Student chapters (112)

>> Sources of financial income of the institution:

Membership 33%  
Seminars, etc. 67%

>> C.D.F. (Chapter Development Fund)

It is a grant, repayment is not required.  
Must submit electronically.  
Grant can be used if members attend VOLT  
Priority is given to red chapters  
Next deadline is Aug 1, 2005  
Grant is \$1000 per rolling year  
Cannot be used for regional conference  
If grant is rejected , resubmission is encouraged  
Current fund availability \$55,000

>> Chapters can hold their own Six Sigma training classes by hiring local instructors.

>> Promotional material needs can be ordered through IIE website from Atlanta.

>> Call Atlanta first to get a discount if holding a Regional Conference in a Marriott hotel.

>> Currently there are 1500 life members paying no dues. IIE magazine will not be mailed to them unless they sent \$35 per year to the institution. New Life Members will be charged \$62.50 membership fee for a year.

## Career Development



Rick Carlson, **Kinsa Group**, RickC@Kinsa.com

Industrial Engineer- responsible for cost reduction projects, creation and maintenance of labor standards and yields, development of cost estimates for new product, work measurement studies, creation and maintenance of plant's crewing guides, processing line lay-outs, capacity analysis, performing plant management work request, 40% travel.

Reg Look, 616-336-8066

Are you stagnant in your career? Need more opportunity? I need Manufacturing Engineer with MIG Welding and Continuous Improvement for a long-term career plan.

King Susan, **Vector SCM** ([www.vectorscm.com](http://www.vectorscm.com))  
248-675-7033, [king.susan@vectorscm.com](mailto:king.susan@vectorscm.com)

**Immediate openings in the engineering department**, both entry level and senior positions available. If you are interested in learning more about working at Vector in Novi, Michigan, please feel free to send resumes or questions to [king.susan@vectorscm.com](mailto:king.susan@vectorscm.com) or call 248.675.7033.

Ron Crabtree, **RSC Consulting**, 248-568-6484  
[www.rscbusiness.com](http://www.rscbusiness.com)

Lean and Six-Sigma Experts: Multiple positions available. **Seeking full time and contract Top lean expert to hire** One of our clients in the mid-South US, a multi-billion retailer, is looking for a top-notch lean person to join their operational excellence group and be a key liaison with us in implementing lean. This will be a full-time position and will require relocation with a commitment for some periodic travel to company locations.

We are looking for someone with the appropriate educational background and 5 to 10 years experience implementing lean concepts – preferably in remanufacturing, services and warehousing.

Yvette Canning, [ycanning@plantechinc.com](mailto:ycanning@plantechinc.com),  
248.737.2100 x205

Job opportunity for an IT Project Manager with two different companies, one is with a financial institution and the other with a wireless communication company. Here are some of the qualifications we are looking for: At least three years of Project Management experience, Ability to integrate, consolidate and manage multiple projects as applicable, Proven leadership skills, Ability to interface with all levels of management, Proficient in MS Office Suite applications and MS Project.

If any Chapter member would like to post a job opening or situation wanted, please contact: Greg Andrysiak at (248) 442-8607 [greg.andrysiak@trw.com](mailto:greg.andrysiak@trw.com). Please see our website at [iiedetroit.org](http://iiedetroit.org) for the latest job openings or situations wanted.

### +++ Looking for top-notch employees? +++

Begin your search at IIE's new online Career Center, which offers all the features you need to find qualified employees. No matter what your staffing needs or budget, we have a recruitment tool for you.

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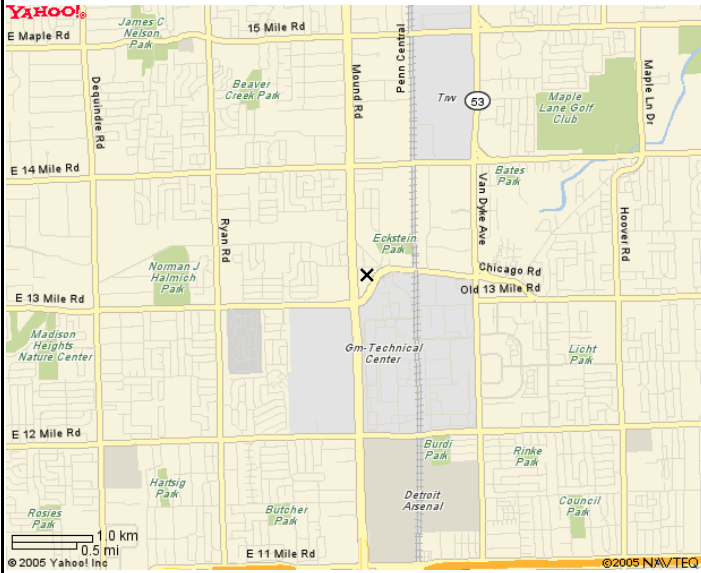
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For more information or to place an ad, please contact: Greg Andrysiak at (734) 855-2590, [greg.andrysiak@trw.com](mailto:greg.andrysiak@trw.com)

## Wednesday, August 17th The Harbour Report

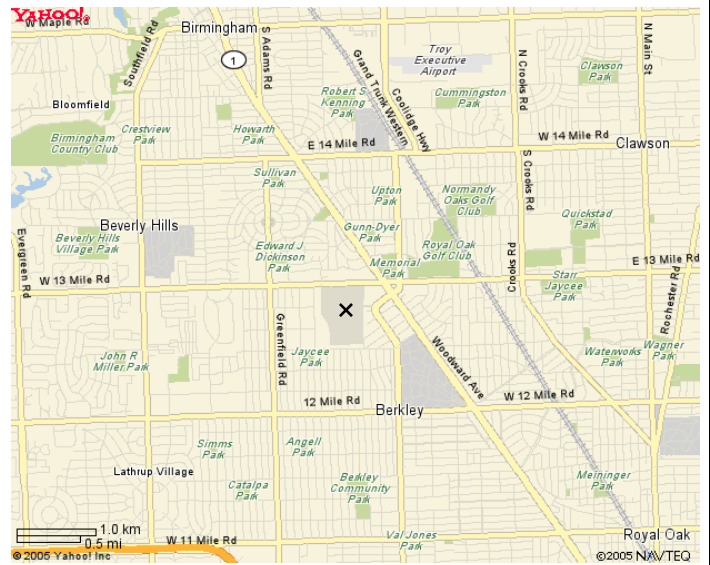


The Gazebo, 31104 Mound Road, Warren, MI, 48091

### General Directions:

From Interstates I-75 and I-696 Interchange:  
Take I-696 East to the Mound Road exit, exit number 22 (3.2 miles)  
Keep Left at the fork in the ramp  
Merge onto Mound Road (1.8 miles)  
Entrance is off Mound Road on the North East corner

## Friday, October 21st Lean Six Sigma Value Management Symposium



William Beaumont Hospital, Administrative Building Auditorium  
3601 W. Thirteen Mile Road, Royal Oak, Michigan 48073-6769

Directions and parking information:

<http://www.beaumonthospitals.com>

Institute of Industrial Engineers #47  
c/o Ron Brzuch  
7247 Almaden Court  
Canton, MI 48187

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