



**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. 4**

**Oct-Dec, 2005**

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

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W.J. Wasniewski, Infonetics  
(248) 524-7319, vitowas2000@yahoo.com

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Dr. Bijay Nayak, American Axle & Manufacturing  
(313) 882-7442, bnayak@msn.com

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(248) 709-4457, tjhamb@msn.com

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Gary Altman, William Beaumont Hospitals  
(810) 278-5708, galtman@wayne.edu

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(734) 855-2590, greg.andrysiak@trw.com

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Victor Lloyd, Production Modeling Corp.  
(248) 423-2403, vlloyd71@comcast.net

**V.P. Development & Past President**

Dr. Jayant Trewn, William Beaumont Hospitals  
(248) 423-2419, jtrewn@beaumont-hospitals.com

**V.P. Finance**

W.J. Wasniewski, Infonetics  
(248) 524-7319, vitowas2000@yahoo.com

**V.P. Information Technology**

Vidyaagar Murty, Production Modeling Corp.  
(313) 441-4460, x1119, vidyaagar-murty@yahoo.com

**V.P. Membership**

Vinod Chauhan  
(248)-449-8420, vccie47@yahoo.com

**V.P. Newsletter Editor**

Ron Brzuch, Ford Motor Company  
(313) 322-9874, rbrzuch@ford.com

**V.P. Programs & V.P. E-mail**

Kristen Cavender, William Beaumont Hospitals  
(248) 964-8832, kcavender@beaumont-hospitals.com

**V.P. Public Relations**

Bob Fitzgerald, General Motors Corp,  
(248) 753-3655, robert.s.fitzgerald@gm.com

**V.P. University Liaison**

Dr. Darin Ellis, Wayne State University  
(313) 875-3296, rdellis@wayne.edu

**Student Chapter Advisors**

University of Michigan - Ann Arbor  
Dr. Goker Aydin, (734) 763-3459, ayding@umich.edu  
University of Michigan - Dearborn  
Dr. Munna Kachhal, (313) 593-5053, kachhal@umich.edu  
Wayne State University  
Dr. Darin Ellis, (313) 875-3296, rdellis@wayne.edu  
Kettering University  
Dr. Terri Lynch-Caris, tlynch@kettering.edu  
Dr. David Pook, dpook@kettering.edu  
Oakland University  
Dr. Patrick Dessert, (248)370-4896, doc\_detroit@msn.com

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Wayne State University, Virginia Lingham  
Oakland University, Neha Pathan  
Kettering University A, Michelle Ross  
Kettering University B, Miles Chen



**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 4.

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



**Tuesday, November 15th  
Medical Providers: Overcome the Barriers  
to Adopting Lean Principles**

**Presented by Mr. Ron Crabtree, CPIM, CIRM**

Lessons learned at Mayo's Clinical Labs; some tips for success in adopting Lean while embracing change in your organization.

See page 3 for more details and map on page 6.

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

**Thursday, November 17th  
U of M vs. OSU Football Challenge**

Can you take the challenge? See Page 9 for a fun time with Student Chapters !!



**Friday, December 16th  
Holiday Dinner and Board Installation**

Please join us for this relaxing and enjoyable dinner to celebrate the holiday season at the Steak & Ale Restaurant in Farmington Hills, MI.

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

**REMEMBER TO VOTE BY OCTOBER 31ST. BALLOT IS ON PAGE 8.**

**TABLE OF CONTENTS**

<i>President's Message</i> .....	2	<i>Map for Oct / Nov Meetings</i> .....	6
<i>Upcoming Meetings</i> .....	2	<i>IIE—GDC Ballot</i> .....	8
<i>Chapter Activity Report</i> .....	2	<i>Membership Report</i> .....	9
<i>Meeting Announcements</i> .....	3	<i>Membership Activities</i> .....	9
<i>Symposium Announcement</i> .....	4	<i>Career Development</i> .....	9
<i>Symposium Registration Form</i> .....	5	<i>Maps for Meetings</i> .....	10

# President's Message

by Bijay Nayak



Hello IIE Members & IE Practitioners,

This being the last quarter of the year, I shall keep the President's Message short and sweet. There are few important activities in the 4<sup>th</sup> quarter:

## Lean Six Sigma Value Management Symposium on October 21, 2005

The chapter symposium is scheduled on October 21, 2005 at Beaumont Hospitals, Royal Oak, Michigan. You must have received August 2005 newsletter, and e-mail from the chapter. This is the 3<sup>rd</sup> symposium in last 3 years Greater Detroit Chapter is organizing for Lean, Six Sigma and Value Management professionals, practitioners, consultants, academics and students. Although the focus is on Health Care industry but the basic concepts these tools are widely applied in all sectors of business. I strongly recommend that you register in the symposium to listen to and share your experience & knowledge with other professionals in Health Care and Manufacturing industry. The Symposium Registration Form is available on IIE Greater Detroit Chapter website ([www.iiedetroit.org](http://www.iiedetroit.org)).

## 2006 Election of Board Officers

In order to improve the chapter with new ideas, opportunities and keep it viable, I strongly encourage IIE members to participate in the election of its Chapter Board Officers. Your constant comments & feedbacks will help chapter to grow and get better every day. The 2006 Election Ballot is in this newsletter. Please take 5 minutes to cast your vote. If you are interested in holding any board position, please write-in your name against that position. Please make sure to mail it to me by the deadline. The mailing address is given in the ballot.

## 2006 Board Officers Installation Dinner on December 16, 2005

The new Board Officers Installation ceremony will be held on Friday, December 16, 2005. The details are given in the newsletter. I welcome you all to join the installation dinner with fellow members and their spouses. Please mark your calendar for Dec. 16, 2005. You will also receive e-mail invitation separately.

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, and also 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.

# Up Coming Events

Oct 21, 2005, IIE Symposium

Nov 15, 2005, Roundtable Panel Discussion by Experts

Nov 17, 2005, U of M vs OSU Football Challenge

Dec 16, 2005, Inauguration and Holiday Dinner

January 2006, IIE Student Technical Paper Competition

February 2006, Joint Meeting, SAVE GMC & IIE GDC

February 2006, ESD Gold Award Banquet, Engineer's Wk

March 2006, Joint Meeting, SME Chapter 69 & IIE GDC

April 2006, Joint Meeting, APICS GDC & IIE GDC

May 20-24, 2006, IIE National Conference, Orlando, FL

# Chapter Activity Report

by Jayant Trewn

## Board Meeting Activities:

8 Board Meetings held January to September 2005

## Membership Meetings:

Date	Topic	IIE Members	Non-Members	Eval. Score
Jan-05	Student Technical paper competition	8	0	4.75
Feb-05	SAVE-IIE Joint meeting	7	5	4.58
Mar-05	SME-IIE Joint meeting	3	39	4.32
Apr-05	APICS-IIE Joint meeting	3	19	4.67
Apr-05	AAM Plant Tour	4	4	4.75
Jun-05	AAM Tech Tour	3	7	4.75
Aug-05	Harbor Report 8/17	13	9	4.6
Sep-05	Ford GT Tour	6	10	4.42
<b>TOTAL</b>		<b>47</b>	<b>93</b>	
<b>Average</b>		<b>5.9</b>	<b>11.6</b>	<b>4.6</b>
<b>Target</b>		<b>17.0</b>	<b>20.0</b>	<b>out of 5</b>

We are on target for a Gold Award in Chapter activity from the National IIE if we maintain our course as shown.

## Anticipated Score Based on:

- 1 Hosting Six Sigma Symposium
- 2 Running all monthly programs
- 3 Submission of annual chapter strategic plan submission on time
- 4 Securing Platinum award for newsletter (35 CAR points)

## Areas of opportunity for points:

- 1 Membership activities (See section 3.2.c Membership Recruitment Activities)
- 2 Increase member attendance at monthly programs
- 3 Increase Member/Chapter/Institute support (See section 5.1 and 5.2)

## Medical Providers: Overcome the Barriers to Adopting Lean Principles Tuesday, November, 15, 2005

**Presented by:** Mr. Ron Crabtree, CPIM, CIRM

### **An Executive Overview:**

Lessons learned at Mayo's Clinical Labs; some tips for success in adopting Lean while embracing change in your organization.



### **Who should attend:**

Health Care and related industry Business Owners, COOs, CEOs, Presidents, CFOs, Lean, Six Sigma, and Operational Excellence champions, anyone with an interest in learning how to leverage Lean methodologies, practices and principles in a medical practice/profession setting.

### **About the Presentation:**

In recent years, the medical industry has begun to take notice of the lessons learned from industry in the implementation of Lean and Six Sigma – albeit not without many false starts. Learn of some of the success stories in Mayo's Clinical Labs and some of the practical considerations in integrating best practices in place today with new approaches that increase the effectiveness of patient care quality. Learn how this can happen while at the same time, work is simplified and becomes more cost effective.

In this one-hour session, we will briefly cover some of the principles of Lean that Mayo, arguably the "gold standard" in the medical industry, has successfully applied in their Lab environment. We then will introduce a "readiness and risk assessment continuum" evaluation that will help participants understand the importance of planning and the involvement of all the stakeholders in the process of adopting Lean paradigms.

### **Summary Learning Objectives and Activities:**

- Brief overview of key Lean principles and how the make a difference in medical service practices – case study examples
- A Group Exercise Continuum – "Rate Your Readiness and Risks for Adopting Lean"
- Tips and recommendations to start or re-invent the implementation process of major change-for-the-better
- Q&A Forum

**Date:** Tuesday, November, 15, 2005

**Time:** 6:00 PM – Networking

6:30 PM – Dinner

7:00 PM – Keynote Speaker Presentation

**Location:** William Beaumont Hospital, Royal Oak

3601 W. 13 Mile Road

Royal Oak, MI, 48073

Administration Building, Lower Level, Classroom 2

Attendance is limited to 50 people, so RSVP is required for seating and dinner count.

Please contact Kristen Cavender at kristencavender@comcast.net if you are interested in attending.

### **Driving Directions:**

Please use same driving directions as the symposium. The only difference is that to proceed down the staircase to the Lower Level of the Administration Building (as opposed to the Auditorium). Please use same maps used for the symposium.

## Holiday Dinner and Board Installation Friday, December 16, 2005



Please join us for this relaxing and enjoyable dinner to celebrate the holiday season, a successful 2005 for the IIE Greater Detroit Chapter and an exciting year to come in 2006!

**Date:** Friday, December 16, 2005

**Time:** 6:00 PM - Social

6:30 PM – Dinner and Board Installation

**Cost:** \$25 Includes meal, salad bar and non-alcoholic drinks

Attendees responsible for buying any alcoholic drinks

Meal choices will include one of the following:

12 oz. Top Sirloin

Hawaiian Chicken

6 oz. Filet

10 oz. Salmon

Vegetarian Penne Pasta Marianara & Sauteed Vegetables

RSVP Required; attendance limited to 30. Please contact Kristen Cavender at kristencavender@comcast.net

**Location:**

Steak & Ale Restaurant

27590 Orchard Lake Road

Farmington Hills, MI 48834

(248) 476-8440

### **Driving Directions:**

#### **From the East:**

Take I-696 (West) to Orchard Lake Road

Exit on Orchard Lake Road (North)

Take an immediate right into the parking lot of Steak & Ale Restaurant

If you've crossed 12 Mile Road, you've gone too far

#### **From the West:**

Take I-275 (North) or I-96 (East) to I-696 East

Exit on Orchard Lake Road (North)

After you cross back over I-696, Steak & Ale Restaurant is on your right

Take a right into the parking lot of Steak & Ale Restaurant  
If you've crossed 12 Mile Road, you've gone too far

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

**Lean Six Sigma Value Management Symposium - Friday, October 21st, 2005, 8:30 am to 4:00 pm**

**Location : William Beaumont Hospitals, Royal Oak, Michigan, 3601 W. Thirteen Mile Road, Royal Oak, MI 48073**

**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



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.

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!



**Keynote Speaker**

**Dr. Vinod K. Sahney, Ph.D.**

Senior Vice President  
 Henry Ford Health System, Detroit, MI  
 Chairman, Board of Directors  
 The Institute for Healthcare Improvement ( IHI )

**Keynote Address: *Improving The Reliability of Health Care.***

*See Speaker's & Workshop's Synopsis on [www.iiedetroit.org](http://www.iiedetroit.org)*

Directions and parking information: <http://www.beaumont Hospitals.com>

Time	Activity	Speaker / Workshop Leader
08:30 AM - 09:00 AM	Registration and Networking - Continental Breakfast	Registration Committee
09:00 AM - 09:25 AM	Welcome and Introduction of Symposium	Dr. Bijay Nayak, IIE-GDC President
09:25 AM - 10:15 AM	Keynote Address (Presentation)	Dr. Vinod Sahney, Henry Ford Health Systems
10:25 AM - 11:15 AM	We are not alone: The Globalization of Healthcare (Presentation)	Dr. Debra Levantrosser, PMC
11:25 AM - 12:15 PM	Lean Concepts in Healthcare Industry (Presentation)	Charles DeBusk, GE Health Systems & Kate Bombach, St. John Health
12:15 PM - 12:45 PM	Lunch	Food Service
12:45 PM - 3:45 PM	Lean Concepts Workshop - Concurrent Track	Ron Crabtree, RSC Consulting
12:45 PM - 3:45 PM	Six Sigma Workshop - Concurrent Track	Dr. Jayant Trewn & Kristen Cavender, William Beaumont Hospitals
12:45 PM - 3:45 PM	Value Management Workshop - Concurrent Track	James Bolton, TRW Automotive & Christopher Quattrin, The Christman Company
3:45 PM - 4:00 PM	State of the IIE-GDC, Concluding Remarks & Thank You	Dr. Bijay Nayak, IIE-GDC President

## Symposium Registration Form



**Institute of Industrial Engineers, Greater Detroit Chapter #047**

### Lean Six Sigma Value Management Symposium

**Friday, October 21, 2005, 8:30 am to 4:00 pm**  
 William Beaumont Hospital, Administration Building Auditorium  
 3601 W. Thirteen Mile Road, Royal Oak, MI 48073-6769

You will receive a confirmation of your Lean Six Sigma and Value Management Symposium registration when we have received a completed registration form and full payment.

IIE Member <input type="checkbox"/> Yes <input type="checkbox"/> No		IIE Member # <input style="width: 150px;" type="text"/>	
First Name <input style="width: 200px;" type="text"/>	Mr/Ms/Mrs/Dr/MD. <input style="width: 50px;" type="text"/>		
M. I. <input style="width: 30px;" type="text"/>	Job Title <input style="width: 300px;" type="text"/>		
Last Name <input style="width: 200px;" type="text"/>	Company <input style="width: 250px;" type="text"/>		
Mailing Address <input style="width: 300px;" type="text"/>	Phone <input style="width: 150px;" type="text"/>		
Address (cont.) <input style="width: 300px;" type="text"/>	Cell <input style="width: 150px;" type="text"/>		
City <input style="width: 250px;" type="text"/>	Fax <input style="width: 150px;" type="text"/>		
State/Province <input style="width: 200px;" type="text"/>	Zip/Postal code <input style="width: 150px;" type="text"/>		
Country <input style="width: 100px;" type="text"/>	E-mail <input style="width: 300px;" type="text"/>		

<b>Send Form and Payment to:</b>	<b>Cost:</b>	<b>Early Registration</b>	<b>After September 30th</b>
Institute of Industrial Engineers Detroit Chapter	Non-member:	\$225	\$250
PO box 4294	IIE member:	\$100	\$125
Troy, MI 48099-4294	Student (Full time):	\$ 50	\$ 75

*Please make checks payable to IIE Detroit Chapter      IIE member number required for IIE member rate*

***Beaumont Employees – Please Register on Pathlore.***

<b>Industry:</b> (check one) <input type="checkbox"/> Health Care <input type="checkbox"/> Service <input type="checkbox"/> Manufacturing <input type="checkbox"/> Information Technology <input type="checkbox"/> Other: _____	<b>Workshops you plan to attend</b> (Check only one) <input type="checkbox"/> Lean Concepts <input type="checkbox"/> Six Sigma <input type="checkbox"/> Value Management
--	--

<b>Internal Use Only:</b>		
___ IIE	Check # _____	Recvd: _____
___ Student	Cash _____	
___ Full		

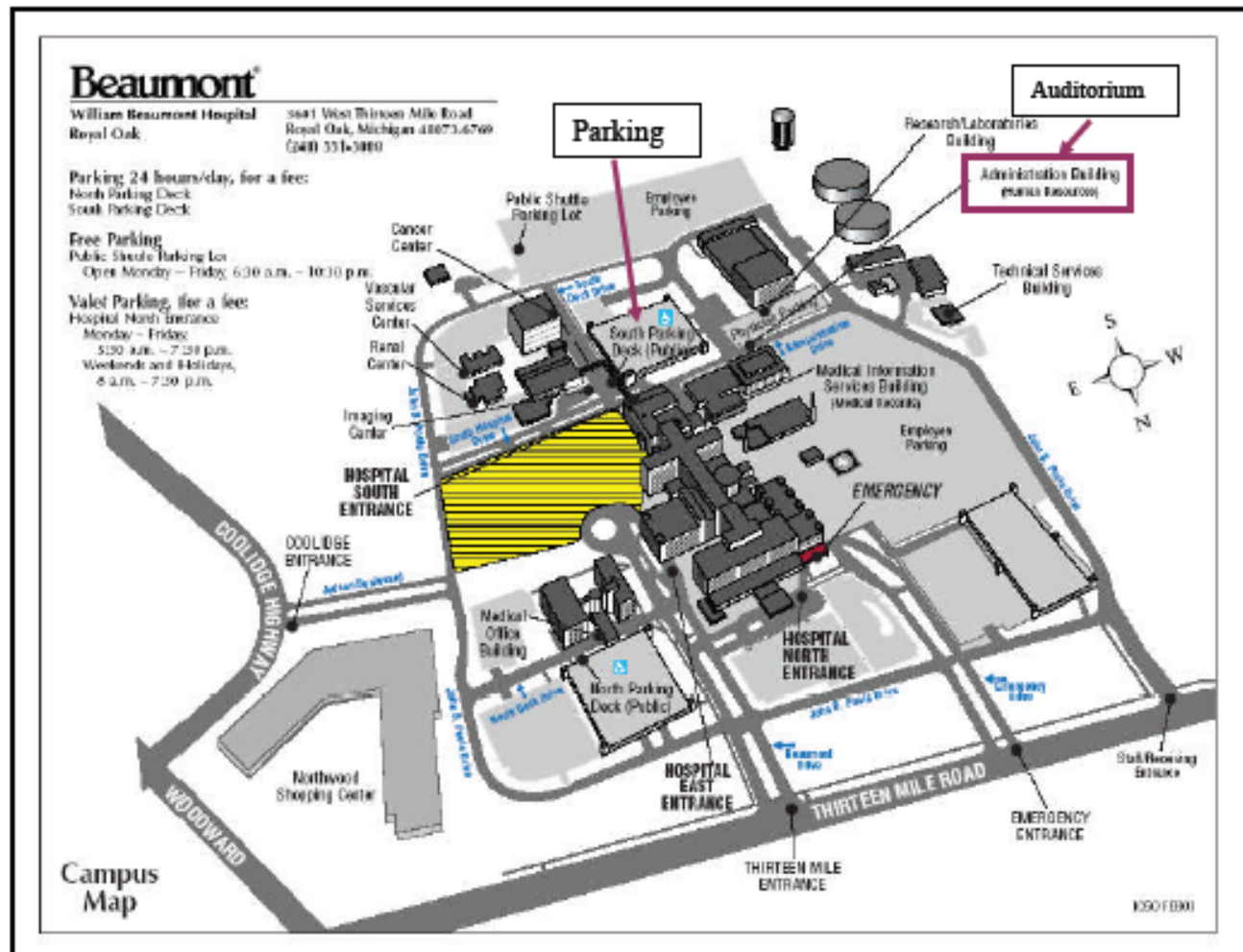
## Directions and Parking

**Directions:** FROM THE WEST: I-696 East to Southfield Road exit. North on Southfield Road to Thirteen Mile Road. Right (east) on Thirteen Mile Road for about two miles. Beaumont, Royal Oak campus will be on the right.

FROM THE SOUTH: Southfield Freeway (M-39) north to Southfield Road. Continue to Thirteen Mile Road. Right (east) on Thirteen Mile Road for about two miles. Beaumont, Royal Oak campus will be on the right.

FROM THE EAST: I-696 West to Greenfield Road exit. North on Greenfield Road to Thirteen Mile Road. Right (east) on Thirteen Mile Road for about 1/2 mile. Beaumont, Royal Oak campus will be on the right.

FROM THE NORTH: I-75 South to Square Lake Road exit. Follow signs to Square Lake Road. Take Square Lake Road west to southbound Woodward Avenue. Follow Woodward Avenue south to Thirteen Mile Road. Right (west) on Thirteen Mile Road. Beaumont, Royal Oak campus is on the left (just pass the Northwood Shopping Center).



**For more information:** Leave a message at the IIE Voice Mail at (313)-438-0205 or send an e-mail to [programs@iiedetroit.org](mailto:programs@iiedetroit.org).

Save \$ 125 on registration fee by becoming an IIE member today. Please visit the IIE website [www.iienet.org](http://www.iienet.org) for membership information or send an e-mail to [membership@iiedetroit.org](mailto:membership@iiedetroit.org).

Visit the Greater Detroit IIE Website at [www.iiedetroit.org](http://www.iiedetroit.org) and checkout the membership benefits and view a list of activities, programs and opportunities to serve as a Board officer. For more information send an e-mail to the Chapter President at [bnayak@msn.com](mailto:bnayak@msn.com).



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# INSTITUTE OF INDUSTRIAL ENGINEERS - Greater Detroit Chapter # 47

## 2006 BALLOT

Please place "X" against the name or write-in name against the position.  
 Mail the Ballot to Dr. Bijay Nayak, 2005 President, IIE Greater Detroit Chapter at  
 1669 Bournemouth Road, Grosse Pointe Woods, Michigan 48236 by Oct. 31, 2005

Position	2006 Nominations	Put "X" against the Name
<b>President - Elect (for 2007)</b>	Dr. Jayant Trewn	
Write-In		
<b>VP Administration</b>	David Cottrill	
Write-In		
<b>VP Advertising</b>	Greg Andrysiak	
Write-In		
<b>VP Chapter Development</b>	Kristen Cavender	
Write-In		
<b>VP Community Services</b>	Victor Lloyd	
Write-In		
<b>VP ESD Affiliate Council</b>	Tej Jhamb	
Write-In		
<b>VP Finance</b>	Vito Wasniewski	
Write-In		
<b>VP Information Technology</b>	Vidyasagar Murty	
Write-In		
<b>VP Membership</b>	Vinod Chauhan	
Write-In		
<b>VP Newsletter Editor</b>	Ron Brzuch	
Write-In		
<b>VP Programs</b>	Gary Altman	
Write-In		
<b>VP Public Relations</b>	Dr. Bijay Nayak	
Write-In		
<b>VP University Relations</b>	Dr. Darin Ellis	
Write-In		

If you are interested in joining the activities of the Board, you may drop an e-mail to the webmaster ([webmaster@iiedetroit.org](mailto:webmaster@iiedetroit.org))

<b>Your Name :</b>	
<b>IIE Membership Number :</b>	
<b>Signature and Date :</b>	

# Membership Report

From 8/2/05 to 10/4/05, TOTAL MEMBERS = 258

## NEW MEMBERS

Young, Lucy A.	Burkman, Judith
Meitzner, Michael R.	Linton, James W.
Goebel, C. J.	Danneffel, Tara
Duck, Mary Goulet	Altman, Gary D.
Hill, Cameron T.	Ezzeddine, Ahmad M.
Monplaisir, Leslie F.	Roth, Walter Von
Thimann, Carlos D.	Burton, Charles
Farinola, Louis M.	Wang, Wencai
Vanover, Paul D.	Mailloux, Kim

## TRANSFERS INTO THIS CHAPTER

Cottrill, David Alexander	Jin, Judy
Schroeder, Linda B.	King, Ernest L.

## Career Development



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.

Seeking Manufacturing Engineers for this Senior (Metalworking / Fabrication) Manufacturing Engineer opportunity with a proven growth company. This position is based in the *Tennessee Valley* area. At least eight (8) years of experience in medium to heavy metal fabrication of up to 1/4 inch thickness; Significant experience in metal fabrication.

Please contact Kent Hedman of Hedman & Associates  
1khedman@comcast.net, 817 277-0888

## Membership Activities

By Vito Wasniewski

### U of M vs. OSU Football Challenge Thursday, November 17, 2005

The Columbus chapter started this unique idea in 2004. The two student chapters host a student night with their senior chapters. The challenge is to have a meeting at two locations (in Ann Arbor and Columbus) and see which chapter can draw most attendance. Special scoring helps to determine a winner for the event with: 1 point for existing members, 3 points for Senior members and 6 points for new members. Last year Michigan won the IIE challenge, 183 to 104.

The consolation of the challenge - the losing chapter presidents (senior and student chapter) had their pictures featured on all websites (senior and student: Detroit, Columbus, OSU, and U of M) wearing the opposing team's jersey. We got the student chapter president at the Regional Conference - but the Senior chapter president has eluded us so far. So Go Blue! (or Go Green! - hey this is a Michigan vs Ohio thing! we put intrastate rivalries behind us here!) Come on out and have a great evening with the students in support of IIE programs on campus - and build some bridges between the senior chapters and the student chapters.

Date: **Thursday, November 17, 2005**

Kick-Off: 8:00 PM

(Please feel free to arrive earlier if you'd like)

No RSVP Required

Cost: IIE Greater Detroit Chapter buys the appetizers

Attendees responsible for buying their own drinks

Attn: Senior Chapter Members - Vito will buy a beer for any Senior Chapter Member wearing U of M apparel.

Location: Buffalo Wild Wings, (734) 997-9143  
205 South State Street  
Ann Arbor, MI 48104

## Membership Activities (continued)

By Tej Jhamb



*Tour attendees pose for a photo at the Ford Saleen Plant in Troy on September 21st. Ford GT's are built at the rate of 9/day and Ford Mustangs are built at the rate of 100-150/month.*

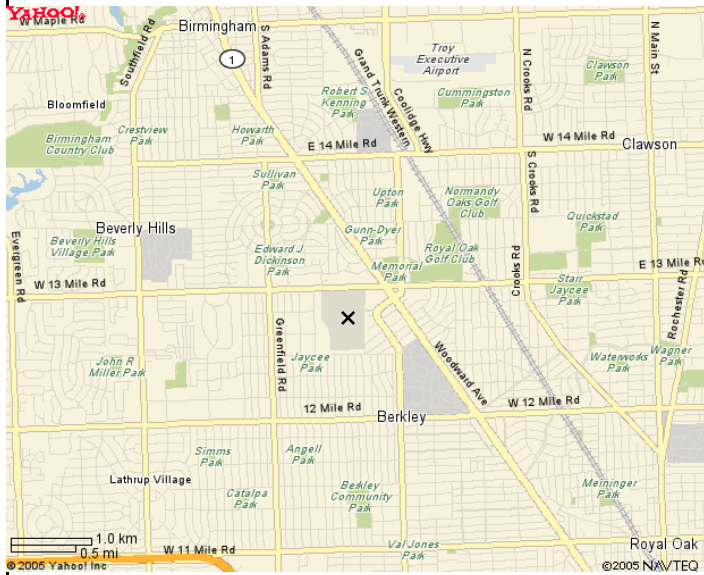


*The above photograph is from the Harbour Report meeting on August 17th..*



*In the photo on left, the keynote speaker, Mark Tuckfield (left), presents a raffled-off Harbour Report (valued at \$999) to the lucky winner, Stan Wasniewski.*

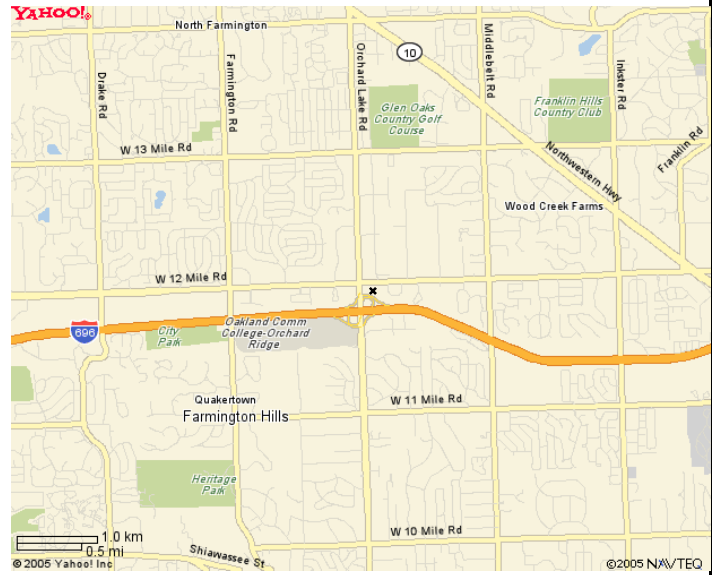
## Friday, October 21st Lean Six Sigma Value Management Symposium



William Beaumont Hospital, Administrative Building Auditorium  
3601 W. Thirteen Mile Road, Royal Oak, Michigan 48073-6769  
Directions and parking information:  
<http://www.beaumont-hospitals.com>

**THE NOVEMBER 15TH MEETING WILL ALSO BE AT THE  
BEAUMONT HOSPITAL, ADMINISTRATION BUILDING.**

## Friday, December 16, 2005 Holiday Dinner and Board Installation



Steak & Ale Restaurant, 27590 Orchard Lake Road  
Farmington Hills, MI 48834, (248) 476-8440

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

**DATED MATERIAL**