



Chapter 47 50<sup>th</sup> Anniversary

Volume 50, No. 2

Institute of Industrial Engineers  
Chapter 47  
NEWSLETTER  
Greater Detroit Area  
Michigan

Apr-Jul, 2006

**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.*

Visit us on the web at [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

**Greater Detroit Chapter's 50th Anniversary**

**All Day Friday, April 21, 2006  
WSU Graduate Research Symposium  
Supply Chain Management**

**Keynote Speakers:** Dr. Jeffrey Tew, Manager for Supply Chain Management Research Group, General Motors R&D, and Dr. Romesh Saigal, a Professor of Industrial and Operations Engineering, University of Michigan.

RSVP's are appreciated, direct them to [IMEResearch@eng.wayne.edu](mailto:IMEResearch@eng.wayne.edu)

**May 20-24, 2006**

**IIE Annual Conference & Exposition**

**Improve productivity, reduce costs, and enhance quality**  
at the 2006 IIE Annual Conference & Exposition in Orlando, Florida.

Register on the web at: <http://www.iieannual.org/registration.htm>

**Saturday, May 13th, 2006**

**Community Service Day**

Volunteer your time in the Cass Corridor neighborhood with landscaping projects at the new Brainard street development along with a clean up of the alley between Brainard and Seldon from 1-4 pm.

**RSVP: Contact Gary Altman at [galtman@wayne.edu](mailto:galtman@wayne.edu) or (810) 278-5708**

**June (TBD) Healthcare Presentation**

Upcoming email notification and/or view our website at: [www.iiedetroit.org](http://www.iiedetroit.org)

**July 15th, 2006**

**Region IV Put-In-Bay Picnic BBQ**

**RSVP: Contact Gary Altman at [galtman@wayne.edu](mailto:galtman@wayne.edu) or (810) 278-5708**  
Please note if vegetarian.

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## President's Message

by Victor Lloyd for Tej Jhamb

At this writing, the elected President, **Tej Jhamb**, has traveled to India on business for a few months and I will be sitting in this position until his return. Tej sends his greetings from Chandigarh.



Also, we wish the best to elected Executive Vice President, **Jayant Trewn**, who has resigned from that position. Jayant is very busy with his new position as VP of Quality and Process Re-engineering at Lason. We hope we can still count on his support for the IIE-GDC October Symposium. Jayant deserves the credit for initiating this popular event through his leadership, organization skills and support. The Symposium has been very successful and has drawn over 100 participants each year for the last 3 years.

If anyone would like to join the board, we have positions available. The Functions and Responsibilities of each position are located on our website at [www.iiedetroit.org](http://www.iiedetroit.org). Please take a look and see if you would like to join the Greater Detroit Chapter IIE board of directors in any one of its capacities. We welcome your support.

The Greater Detroit Chapter shined at the ESD Gold Award Banquet on February 21<sup>st</sup>. The GDC-IIE received several awards, including the prestigious Gold Award to our very own IIE member, **Dr. Vinod Sahney**. Please view the photographs in this newsletter.

Also take a look at the programs in the offering. There is something for everyone. We have a Graduate Research Symposium at WSU on April 21<sup>st</sup>, the IIE national conference in Orlando during May 20-24, a Cass Corridor Project community service day on May 13<sup>th</sup>, a Healthcare presentation in June and a BBQ on July 15<sup>th</sup>.

Please join us for networking, education, enlightenment and service.

Victor

## Chapter Activity Report

The Greater Detroit Chapter has held 4 board meetings so far this year.

Many engineering societies received awards at the Engineering Society of Detroit's Gold Award Banquet that was held on February 22nd. However, our chapter received the coveted Gold Award by Dr. Vinod Sahney, the Distinguished Service Award by Dr. Bijay Nayak, and the Irv Otis Scholarship by Eric Lammers. Dr. Bijay Nayak also took an oath and received an Engineer's ring in the Order of the Engineer Ceremony.

We had a networking meeting and tour of the Copper Canyon Brewery on March 16th. It was acknowledged that Vinod Chauhan had asked the master brewer the most questions on the tour.

The IIE-GDC has high hopes of receiving the Gold Award for the scoring of our Chapter activities. We shall see how we compared to other IIE chapters at the National IIE Conference and Exposition the week of May 20th.



**WSU Graduate Research Symposium  
 “Supply Chain Management”  
 All Day Friday,  
 April 21, 2006**



**RSVP's are appreciated,  
 direct them to  
 IMEResearch@eng.wayne.edu**

**Location:**  
 Industrial & Manufacturing Engineering Dept,  
 4815 Fourth Street, Wayne State University,  
 Detroit, MI 48202, USA - Room 1005

A small map of to this venue is available at:  
<http://imeresearch.eng.wayne.edu/IMEGRS2006Venue.htm>



**Tentative Schedule:**

- 8:30 a.m. – 9:00 a.m. : Light refreshments
- 9:00 a.m. – 9:05 a.m. : Opening remarks
- 9:05 a.m. – 9:25 a.m. : Presentation by IME Chair, **Dr. Kenneth Chelst**
- 9:25 a.m. – 10:10 a.m. : Keynote presentation by **Prof. Romesh Saigal**
- 10:10 a.m. – 11:10 a.m. : Oral presentations
- 11:10 a.m. – 11:30 p.m. : Break
- 11:30 a.m. – 12:45 p.m. : Oral presentations
- 12:45 p.m. – 1:45 p.m. : Lunch break
- 1:45 p.m. – 2:30 p.m. : Keynote presentation by **Dr. Jeffrey D. Tew**
- 2:30 p.m. – 3:30 p.m. : Poster Presentations and Refreshments
- 3:30 p.m. – 3:45 p.m. : Awards & closing remarks

For more information please visit  
<http://imeresearch.eng.wayne.edu/AboutGRS.htm>

Detail schedule of the symposium  
 will be available April 17 at  
[http://imeresearch.eng.wayne.edu/  
 Detail\\_Schedule.htm](http://imeresearch.eng.wayne.edu/Detail_Schedule.htm)

The Industrial and Manufacturing Engineering Department at Wayne State University is organizing an annual Graduate Research Symposium. The symposium is a single day event scheduled for April 21<sup>st</sup> with two keynote speakers from industry and academia. In addition, our doctoral students will present their research work to an audience from WSU and our industry partners. While the general purpose of this symposium is to create an environment where our graduate students could share and receive feedback on their research activities, it will also serve as a platform for networking and exchange of ideas.

The theme for the keynote speakers is **Supply Chain Management** and related topics. General Motors in particular has a strong research group with a record of accomplishment in this area, and we are extremely delighted to announce that **Dr. Jeffrey Tew**, Manager for Supply Chain Management Research Group, General Motors R&D, will be one of the keynote speakers. **Dr. Romesh Saigal**, a Professor of Industrial and Operations Engineering, University of Michigan, with a distinguished record of accomplishment will be the other keynote speaker.

Some more details are available at the following website: <http://imeresearch.eng.wayne.edu>

The Graduate Research Symposium (GRS) is an annual event where Industrial and Manufacturing Engineering (IME) graduate students present their research in front of invitees and peers. It is a small scale conference with the following goals:

- § Improve the quality and visibility of ongoing research in the department
- § Create a networking opportunity between participants
- § Create a platform for easy sharing of ideas and feedbacks among peer researchers

GRS is organized by IME doctoral students. In addition to all the faculty members and graduate students of IME department, invitees of this event typically are

- § Two keynote speakers from either academia or industry
- § Few guests from industry
- § Prospective applicants to IME doctoral research program
- § Anyone interested about IME research

## IIE Annual Conference & Exposition

May 20-24, 2006



### What will I gain by attending the IIE Annual Conference?

You will...

- Learn and understand how other companies have successfully implemented programs that have provided excellent returns on their industrial engineering investments.
- Discover the latest tools, techniques and solutions from top professionals in the field.
- Network with peers, decision makers, and leaders during the conference and Networking Reception.
- Choose from over 270 content-filled educational sessions.
- Gain insight from industry leaders during keynote presentations.
- View innovative products and services in the Exhibit Hall.
- Learn how other prominent companies execute industrial engineering programs in their companies by attending plant tours.
- Participate in hands-on pre-conference workshops, and learn about Six Sigma, Lean, and more.
- Benchmark with other companies who have implemented Lean and Six Sigma.

**Improve productivity, reduce costs, and enhance quality** at the 2006 IIE Annual Conference & Expo.

### 2006 IIE Annual Conference & Exposition

May 20-24, 2006

Renaissance Orlando Resort at Sea World  
Orlando, Florida

### **General Information Hotline**

IIE Member & Customer Service:  
800.494.0460  
770.449.0460  
cs@iienet.org

### **Register on the web at:**

<http://www.iieannual.org/registration.htm>

## Community Service Day

Saturday, May 13th, 2006

May 13th, Saturday, is IIE-GDC community service day. We will be helping the Cass Corridor neighborhood with landscaping projects at the new Brainard street development along with a clean up of the alley between Brainard and Seldon from 1-4 pm. For more info call 313-831-0199.

Please RSVP by replying to Gary Altman, VP Programs, at [galtman@wayne.edu](mailto:galtman@wayne.edu).

## Healthcare Presentation In June

June - Healthcare Presentation, "Initial Applications of IE Tools at Work in Healthcare Construction". Details to come via chapter email and website.

## Put-In-Bay Picnic BBQ July 15th, 2006

July 15 - Region IV IIE Put-In-Bay Picnic BBQ. Get ready for some fun and socializing with fellow IIE members. Plan to spend the day on Put In Bay Island having fun and enjoying the lake atmosphere.

Lunch starts at 12:30 pm, burgers and hot dogs provided, please bring your own drinks.

We will meet in DeRivera Park across from the public boat docks. Please see maps on the web: [www.put-in-bay.com](http://www.put-in-bay.com), "Getting Here". To get to Put-In-Bay take the jet express ferry ([www.jet-express.com](http://www.jet-express.com)) from Port Clinton, OH. You will need to purchase your own tickets, the ferry ride is approximately 20 minutes with boats departing every 45 minutes all day.

Please RSVP with number of people by July 1 to [galtman@wayne.edu](mailto:galtman@wayne.edu) if you plan on attending (please note if vegetarian).

For more information on things to do in Put In Bay please visit [www.put-in-bay.com](http://www.put-in-bay.com). For additional information and pictures from previous trips visit <http://www.infonetics.net/iiregion4/news.htm>.

# Membership Activities

## People in the News

**Jayant Trewn** has taken a new position as VP of Quality & Process Re-engineering at Lason.

**David Cottrill** has accepted a position at The Manitowoc Company, Marine Group in Marinette, Wisconsin for the U.S. Navy's first Littoral combat ship.

**Virginia Lingham** has been accepted into Graduate School at University of California – Berkeley to study transportation engineering. Keep in touch!

## Pictures from the Region Conference

The 2006 Region IV Conference was held in West Lafayette, Indiana on February 10-12, 2006.



*The UofM student IIE Members that traveled to Purdue.*

*Pictures from the Purdue conference can be seen on U of M IIE website:*



(<http://www.engin.umd.umich.edu/~iie/pictures.html>)

## Cass Corridor Neighborhood Development

by Victor Lloyd

I have a photo and a story to share with our IIE GDC board regarding one of the buildings that the board of directors for the Cass Corridor Neighborhood Development Corporation just completed for our HIV and AIDS infected low income residents in my old neighborhood. I and other members of the CCNDC Board are very proud of this latest project in our community and for those families and persons it will benefit. The best part is we owe nothing on the building and it was all done with grants and donated money. We will be working with support organizations to help in counseling, health-care needs and job opportunities for those living in the Chesterfield.



This is a picture of the Chesterfield ribbon cutting and grand reopening just before Christmas 2005. The Chesterfield is a 24 unit apartment

building that Board of Directors of the Cass Corridor Community Neighborhood Development Corporation saved from the wrecking ball. I was one of the six board members who coordinated cleaning out the entire building filling four 40 yard dump containers and organized community volunteers to take part of the effort in his old neighborhood in the ghettos of Detroit, MI. As a board member, we obtained \$4.5 million to totally rehabilitate the Chesterfield, which was originally built in 1897. The building had been boarded up and vacant for 15 years but we were able to get the building listed as a historic site and obtained federal funds and grants to cover the restoration costs. The Board of Directors have designated the building for AIDS and HIV infected families in the Cass Corridor ghettos of Detroit. The Cass Corridor has the highest level of AIDS and HIV infection. Families with this disease often are homeless and have to live in abandoned buildings all over the Cass Corridor.

Our Board of Directors has also created a community center across the street from the Chesterfield to help support the needs of the homeless, AIDS and HIV people as well as other needy low income people in the ghettos. We are still working on our Community Center, which was the old Salvation Army Soup Kitchen that I visited many times as a kid growing up in the streets. It gives me great pleasure to help others in their time of need in the streets of my old neighborhood.

## Membership Activities (Continued)

### Engineers from Professional Societies Honor IIE Member with a Gold Award



**Dr. Vinod K. Sahney**, Senior Vice President, Henry Ford Health Systems, was the recipient of the 35th Gold Award during the inter-society banquet on Wednesday, February 22, 2006 at the Marriott Dearborn Inn. He is also our esteemed IIE member.

The Gold Award is the most prestigious honor engineers can bestow on one of their peers and was established to celebrate excellence in multidisciplinary technical fields. The ESD Affiliate Council, a group of 72 professional associations and societies that unite engineers, scientists, architects and those in technically related fields to conduct activities that fulfill common interests and goals, hosts this event.

Dr. Sahney is a senior vice president of special projects at Henry Ford Health System where he is currently responsible for overseeing the construction of a new 300-bed hospital in Oakland County. He has worked for the health system in a variety of capacities for more than 22 years, including chief strategy officer. For the past 28 years he has been a faculty member of Harvard University's Executive Program in Health Policy and Management. He has served as a judge for the Malcolm Baldrige National Quality Award and is a member of the Institute of Medicine and the National Academy of Engineering.

Dr. Sahney graduated from the Birla Institute of Technology in India with Bachelors in Mechanical Engineering, Purdue University with a Master in Mechanical Engineering and the University of Wisconsin with a Ph.D. in Industrial Engineering and Operations Research. He has published more than 50 articles and has made over 200 presentations at national and international meetings. In addition, he co-authored the book *Reengineering Health Care: Build on CQI*. He is a founding member, director and chairman of the Institute for Healthcare Improvement and currently serves on a number of Boards, including St. Joseph Mercy – Macomb Hospital, Enterprise Development Fund and President of TIE – Detroit (The Indus Entrepreneurs), a networking and mentoring organization for entrepreneurs.

He has received the Founders Award from the Society of Health Systems; the Fellows Award from both the IIE and the Healthcare Information and Management Systems Society/American Hospital Association (HIMSS/AHA); and the Distinguished Service Award from the University of Wisconsin. He is active in community service and currently serves on the Board of Cranbrook Horizons Upward Bound program and on the Board of Michigan's Children.



Above left is a poster showing an enlarged front cover of ESD's magazine, the "Technology Century". The cover proclaims "Dr. Vinod K. Sahney wins Gold Award".



Photo above right has **Dr. Sahney** (right) receiving a proclamation from the State of Michigan.



The family of **Dr. Vinod Sahney** (left) and a IIE member table (photo on right) at the ESD Gold Award Banquet.

### Order of the Engineer Ceremony



IIE's **Dr. Bijay Nayak** took the vows and received the ring. The Order was initiated in the United States in 1970 to foster a spirit of pride and responsibility in the engineering profession and to present to the public a visible symbol identifying the engineer. Those vowing to uphold the "Obligation of the Engineer" receive a ring as a symbol of their pledge. The Order is not a membership organization; there are never any meetings to attend or dues to pay. Family and friends are invited to take part in this celebration. Any engineer who has graduated from an ABET-accredited engineering program or holds a PE license is eligible.

## Eric Lammers Awarded Irv Otis Scholarship

**Eric Lammers** was awarded the \$500 Irv Otis Scholarship from the Detroit Chapter of the Institute of Industrial Engineers (IIE). Eric was presented the scholarship during National Engineering Week at the Engineering Society of Detroit's (ESD) Gold Award Banquet on February 22nd. The scholarship, which is awarded each year by the Detroit IIE Senior Chapter, is based on grade point average, IIE student chapter participation, and nomination by the Faculty advisor for the student's chapter.



Eric is a senior at the University of Michigan – Dearborn (UM-D) majoring in Industrial & Systems Engineering. He grew up in Livonia, a 2001 graduate of Stevenson High School, and currently resides in Dearborn. When asked why he chose to major in Industrial Engineering, he replied, "I had a strong interest in mathematics and science from an early age, which led me to engineering. I found industrial engineering to be the most diverse of all engineering fields, with job opportunities available in both the manufacturing and service industries."

On campus, he serves as the President of the Institute of Industrial Engineers student chapter, Chair of the Society of Manufacturing Engineers student chapter, President of the Industrial Engineering honor society Alpha Pi Mu, and is an active member of the engineering honor society Tau Beta Pi. In addition to receiving the Irv Otis Scholarship, he was the first recipient of the Professor A. Adnan Aswad Endowed Scholarship and was acknowledged by the university as the 2005 Honor Scholar in Industrial & Systems Engineering.

"Many students are not aware of the opportunities that are available here on campus. After deciding on a major, a student should become involved in a student organization," says Lammers. Although he is involved in numerous organizations, Eric dedicates the majority of his time toward the advancement of the IIE student chapter at UM-D. "Unfortunately, colleges and universities are not obligated to guarantee jobs for students after graduation. IIE has been very helpful in networking graduates of the program with potential employers, both in-state and out-of-state."

Eric interned this past summer at Empirical Solutions as a Simulation Engineer, working on numerous simulation projects. After he obtains his Bachelor's degree in April, Eric will be looking to obtain employment in the metropolitan Detroit area that is related to the field of Industrial Engineering. He plans to attend graduate school in the future. "I hope to share my knowledge and expertise with my future employer and give back to the community that has helped me in my educational experience."



**Eric Lammers (right)** receives the Irv Otis Scholarship from the IIE Past President, **Bijay Nayak**.

**Dr. Bijay Nayak, (right)** who is the outgoing President of the Detroit Chapter, is handed the Distinguished Service Award from **Victor Lloyd**.



## IIE Past President, Dr. Bijay K. Nayak, Receives the Distinguished Service Award

**Dr. Bijay Nayak**, had a very successful year as past President of the Greater Detroit Chapter IIE and was honored with the Distinguished Service Award. Under his leadership, the Chapter's excellence was demonstrated by the Chapter's many awards.

Dr. Bijay Nayak is a Manager, Value Engineering at American Axle & Manufacturing, Inc., in Michigan. He has global management experience in manufacturing industries in the USA, Canada, Australia, Thailand & India. He holds a Ph.D. degree in Mechanical & Manufacturing Engineering from Swinburne University of Technology, Melbourne, Australia. Dr. Nayak has been actively involved in various professional institutions. He is Vice President, Manufacturing of SAVE International, President of SAVE International Greater Michigan Chapter, Vice President Public Relations & Past President of IIE Greater Detroit Chapter, and Past Treasurer of SME Region 6, Chapter 1 & Chapter 6. Dr. Nayak has published and presented numerous chapters and technical papers in The VE Handbook (Japan), Industrial Engineering Encyclopedia (USA), International Conferences, Journals, and Magazines in the USA, Canada, UK, Australia, Japan & India. Dr. Nayak is recipient of Outstanding Professional Award for dedicated achievements in the field of Lean Manufacturing (USA), Distinguished Leadership Award for outstanding contributions to Lean Manufacturing (USA), and National MOHTA Award for the best Value Engineering Project (India).



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- ...

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## Career Development



## Job Listings

Seeking a **Deployment Leader/Six Sigma Master Black Belt** to lead, manage and ensure consistent deployment of the Performance System across the enterprise.

Norbert Dishinger, [norb@fpcgrandrapids.com](mailto:norb@fpcgrandrapids.com)  
Phone: 616-281-2861, Fax: 616-281-2856

Seeking a **Operational Excellence Manager**. As a core member of the Corporate Operational Excellence team, this person leads commercial improvement projects (~60%), and Six Sigma training and coaching (~40%).

Norbert Dishinger, [norb@fpcgrandrapids.com](mailto:norb@fpcgrandrapids.com)  
Phone: 616-281-2861, Fax: 616-281-2856

Ryder is in search of 3 IEs with 7 to 10 years of experience to work in the Region IV area.

The Manager, Industrial/Logistics Engineering is responsible for providing industrial and logistics engineering services in support of the business development activities of the Company. This entails working closely with potential and existing customers to analyze and evaluate their current logistics operations and designing and engineering supply chain management solutions to meet their needs. Areas of focus could include transportation, distribution, and manufacturing strategy development; warehousing design; Lean Sigma initiatives; network analysis and optimization; software systems implementation; information management, capacity enhancement, cost containment, and business process re-engineering. Considerable travel and contact with customers is required.

You must have the following background and skills.

\*A Bachelors degree in Industrial Engineering or Operations Research. THIS IS MANDATORY. A Masters degree is preferred.

\*Seven or more years of related industrial and logistics engineering experience, including 4 or more years in a management role.

\*Experience conducting complex engineering and operational studies, leading large-scale supply chain implementations and process improvements, and developing new sales and business development opportunities.

Could be up to 50% travel.

Regards, Gino Conti, Associate Technical Recruiter,  
Modern Engineering Inc.  
(248) 606-6119, [www.modernengineering.com](http://www.modernengineering.com)

## Situations Wanted

Heather Fisher is an established intern with demonstrated success in industrial engineering, health care, manufacturing, and supervision.  
[heather.fisher@wayne.edu](mailto:heather.fisher@wayne.edu)



The Greater Detroit Chapter of IIE is looking for a few good leaders to join the board of directors. If interested, contact Victor Lloyd at (313) 441-4460 x1104, [vlloyd71@comcast.net](mailto:vlloyd71@comcast.net)

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.

Contact IIE Sales Department to purchase unlimited postings and resume searches for a year. Call Jack Eller at 770-349-1109, or Tom Miller at 770-449-0461 ext.127.

### +++ Looking for an outstanding job? +++

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## Membership Report

**Greater Detroit Chapter of IIE**  
**TOTAL MEMBERS = 246**  
**From 3/2/06 to 4/4/06**

### NEW MEMBERS

Lemieux, Kimberly Renee  
Bozer, Yavuz A  
Dion, Cynthia

Sengupta, Sankar  
Taub, Dale R.

### TRANSFERS INTO THIS CHAPTER

Amodeo, Renee M.  
Adei, Gabriel K.  
Andaloussi, Soufiane Hjiyej

Harris, Stacy King  
Lynch-Caris, Terri M.

