



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.

**December 2010
Volume 54, No. 4**

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New Member Profile: Jay Labban

The GDC welcomed a new face to the Holiday Party this year. Jay is an Industrial Engineer and IIE member looking to become more involved with IIE. He's the subject of this issue's New Member Profile, so see inside to learn more about Jay and how he became an Industrial Engineer.

Details and pictures inside.....

Kettering University Student Geothermal Project

Bryan Beaver is an intelligent and driven IE student in his Senior year at Kettering University in Flint, MI. The GDC got word of an ambitious project that Bryan and a team of Kettering students are undertaking. Through the use of geothermal heating, the team is increasing the effective growing season of an urban agriculture facility. Not only are they implementing an environmentally-friendly energy project, but they are supporting a community project in a city that desperately needs innovation.

Full article on page 2.....

Holiday Party and 2011 BOD

The GDC convened earlier this month for the annual Holiday Party. The event is always a great way to cap off the year. For details about the fun, as well as the announced 2011 Board members, see page 3...

The IIE Greater Detroit Chapter Board of Directors wishes everyone Happy Holidays and a fantastic New Year!



2010 Upcoming Programs

- **Sat. January 22nd** Student Technical Paper Competition

Check out details at Greater Detroit Chapter Website at:

www.iiedetroit.org

New Member Profile & Geothermal Project

Holiday Party and 2011 Board of Directors



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Jay Labban

IIE New Member Profile

Jay is a material flow engineer with Ford Motor Company in Dearborn, Michigan. He works on the Super Duty pickup trucks, as well as Expedition and Navigator sport utility vehicles future programs. In that capacity, he is responsible for the engineering, budgeting, planning, procurement and installation of the material handling and packaging systems at the Kentucky Truck Plant in Louisville, Kentucky.

Due to the high complexity content of both vehicles, his responsibilities include the design and implementation of cost effective complexity containment strategies including sequencing, kitting, repack and metering both internal and external to the assembly plant.

Jay's education includes a bachelor's degree in Mechanical Engineering from the American University of Beirut, a master's degree in Industrial Engineering from Iowa State University, and an MBA from the University of Michigan-Dearborn with a finance concentration. He re-joined IIE in 2006.

Jay is married and lives in Rochester, Michigan. He has two daughters and his hobbies include golfing, hunting, fishing and camping. Jay is pictured here with the new 2011 Ford Super Duty pickup.

Kettering University IE Student Geothermal Project

By: Bryan Beaver

Our team of senior Kettering University Industrial Engineering undergraduate students, under the mentorship of Dr. Matthew Sanders, is working on a project to implement alternative energy solutions in an urban agriculture environment. Through a generous donation by the Ford Foundation, our team is designing and installing a solar powered geothermal heating system for Harvesting Earth urban farm on Flint's North side, which will dramatically lengthen the effective growing season of the facility. We are utilizing the IE skills we've learned from our combined academic and co-op experience to bring this great community effort to fruition.

The team is responsible for determining the greenhouse heat loss and the geothermal potential of the land to design the most efficient and creative system selection and layout. In addition to our personal efforts, we have identified and are working in collaboration with local Solar and Geothermal businesses and Kettering University partners to realize our goal. We are proud and excited to implement our knowledge of facilities planning and supply chain management on a project which positively impacts our community in an environmentally responsible manner.

Special thanks to The Ford Foundation, Mid-Michigan Solar, French Associates of Rochester for providing funding, resources and expertise to help make this project successful. For more information, visit this link: http://www.mlive.com/news/flint/index.ssf/2010/10/post_146.html

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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Annual IIE-GDC Holiday Party & 2011 Board of Directors Results

By: Alex Bohn

As 2010 comes to a close, the Greater Detroit Chapter met up for their annual holiday party to reflect on the year, elect the new board members and have some fun. The group once again met at Thunderbird Lanes in Troy, MI for bowling and pizza. In attendance were current board members and some of their families, as well as an IIE member looking to meet the people behind the events, newsletters and emails.

This year began with the judging and awarding of the Student Technical Paper competition and a joint meeting between APICS and IIE. The spring brought a great presentation on process improvement from Kahled Mabrouk, and 2010 GDC President Jeff VandenBoom presented to the Affiliate Council. John Preston, the GDC's Executive VP, traveled to Cancun, Mexico in early June for the 2010 IIE Annual Conference. November saw the 2010 Lean Six Sigma Symposium in Rochester Hills, which was an immense success.

While the attendees worked on picking up spares and eating pizza, President Jeff VandenBoom and Executive VP John Preston organized the election results and announced them at the end. The Board has two new members, and with a heavy heart will be saying farewell to a few great leaders. Here is the complete 2011 Greater Detroit Chapter Board of Directors:

2011 GDC Board of Directors:

President - John Preston

Executive Vice President - Lanie Dixon

VP of Administration - Dave Stajninger

VP of Membership - Danielle Hunter

VP of Finance - Kerry Coran

VP of Programs - Vanda Ametli

VP of Communications & Web Development - Alex Bohn

ESD Affiliate Council Rep - Dave Cottrill

The IIE members who attended the 2010 Holiday Party.
(From left) John Preston, Paul Gunnels, Alex Bohn, Vanda Ametli, Lanie Dixon, Jeff VandenBoom and Jay Labban, Kerry Coran (not pictured)



2010 Holiday Party
VP of Programs Vanda Ametli picks up a spare at
Thunderbird Lanes in Troy, MI



Membership Info

Total Members: 163

New Members: 2

Members Reinstated: 0

Over 20 memberships expire in the next 2 months! Please check your membership status & renew if needed. We have a lot of great programs coming in 2011 & you must be a member to take advantage of discounted pricing!