



▶ LOCAL JOB OPPORTUNITIES.....4



▶ CHAPTER ACTIVITY REPORT UPDATE.....5



▶ UPCOMING EVENTS.7



# IIE Twin Cities

## Chapter 38 Newsletter

PROVIDING A NETWORK WITHIN MINNESOTA AND SURROUNDING AREAS TO COLLABORATE ABOUT INDUSTRIAL ENGINEERING

## Brilliant Bracelets Wow! That's Engineering! SWE Event

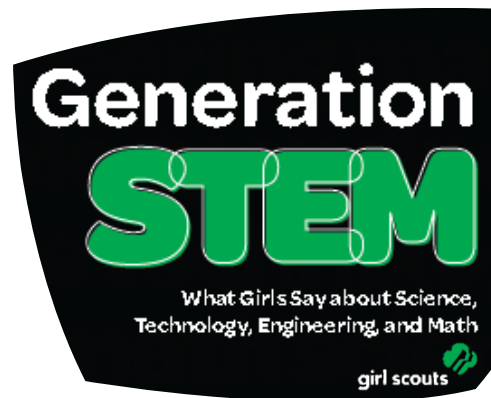
Join us for a fun day volunteering to educate Girl Scouts in engineering!

IIE Twin Cities has been invited to again partner with Society of Women Engineers (SWE) MN chapter in hosting 200 Girl Scouts to educate them on engineering and help them achieve their "Product Designer Badge"! We have been hosting an Industrial Engineering focused workshop on manufacturing bracelets, entitled Brilliant Bracelets, for over 10 years. It has been a perennial success and we are excited to partner with SWE again this year!

**Volunteer Requirements:** You do not need to be an Industrial Engineer or a female - just passionate about educating girls about science and technology!

**Provided:** Breakfast, lunch and a t-shirt

Please consider joining in on this classic IIE outreach opportunity. We always have a lot of fun!



### Did you know?

According to a 2012 report from the Girl Scout Research Institute:

- Girls are overwhelmingly interested in STEM! 74% of teen girls are interested in STEM.
- Girls interested in STEM like to understand how things work, solve problems, do hands-on activities, and ask questions.
- A high 81% of STEM girls express interest in pursuing a career in a STEM field—specifically, in engineering, physical/life science, math, computer science/information technology, or software development. However, only 13% say that it is their first choice.
- Perceived gender barriers are still high for girls and may help explain why STEM fields aren't their top career choices.

**Date** Saturday, April 11<sup>th</sup>, 2015  
**Time** 9:30 am – 2:30 pm (includes set up, training and tear down)  
**Place** Normandale Community College  
 9700 France Ave S, Bloomington, MN 55431  
**RSVP** Please e-mail Britta Rowan at [brittarowan@gmail.com](mailto:brittarowan@gmail.com)



# President's Message

Tracey Bauer, IIE Twin Cities President.

## WELCOME TO SPRING IN THE TWIN CITIES!

It's that time of year for new beginnings, inspirational growth, and surprising transformations . . . just the sort of things we as IEs specialize in cultivating. Here at IIE Twin Cities we have been using Q1 2015 to prepare for our own version of Spring.

Our Student Outreach presence has been strong as we help the two new local IE degree programs get their IE Student Chapters up and running. We also made a trip to Milwaukee to reach out to the Regional Student Chapters. April will follow with the opportunity to work with SWE in their annual **"WOW! That's Engineering!"** event and lay the foundation for the love of Industrial Engineering at an early age. In particular, Student Liaison Director, **Nate Andrican**, and Social Media Director, **Britta Rowan**, have been instrumental in pursuing and coordinating.



In addition, the board members are "feeding" our 2015 event pipeline. Event Directors, **Chris Heinze** and **Courtney Cheng**, will finalize the details for the events that come back every year (think summer Bean Bag Tournament/BBQ and December Social). However, we also have to find and cultivate new topics and tours to fill in those gaps and keep the interest of our network (that's you!). We have some ideas, but always appreciate your input and suggestions . . . sometimes a member connection gets an "in" and feedback sends us in new directions.

Finally, the **Annual National IIE Conference** will be held in Nashville, TN from May 30<sup>th</sup> to June 2<sup>nd</sup>. This is an event where connections can be made to grow a support network from around the world as well as get to know some of the IIE leadership at a Regional and National level. The rewards dinner will yet again recognize local achievements and individuals that are instrumental in supporting IE endeavors. **Will you be there?** Let us know!

Sincerely,  
Tracey

## NEW! 2015 IIE Twin Cities Officers and Board Members Contact Information NEW!

President	Tracey Bauer, Electric Machine Company	bauert75@hotmail.com
President – Elect	Jeromy Knapp, Stratasys	Jeromy.Knapp@stratasys.com
Past President	Sean Dveris, Target	Sean.Dveris@target.com
Treasurer	Kayla Bosak, Target	Kayla.Bosak@target.com
Events Co-Director	Courtney Cheng, Target	Courtney.Cheng@target.com
Events Co-Director	Chris Heinze, Carley Foundry	Chris.Heinze@carleyfoundry.com
Membership Director	Allison Shaver, UPS	Allison.C.Shaver@gmail.com
Newsletter Director	Jenna Weiland, Boston Scientific	Jenna.Weiland@bsci.com
Social Media & Website Director	Britta Rowan, Boston Scientific	Britta.Rowan@bsci.com
Student Liaison	Nate Andrican, Boston Scientific	Nathan.Andrican@bsci.com
Board Member at Large	Jeff Meyer-Quarberg, Donaldson Co.	Jeff.Meyer-Quarberg@donaldson.com
Board Member at Large	Stephanie Tom, Target	Stephanie.Tom@target.com

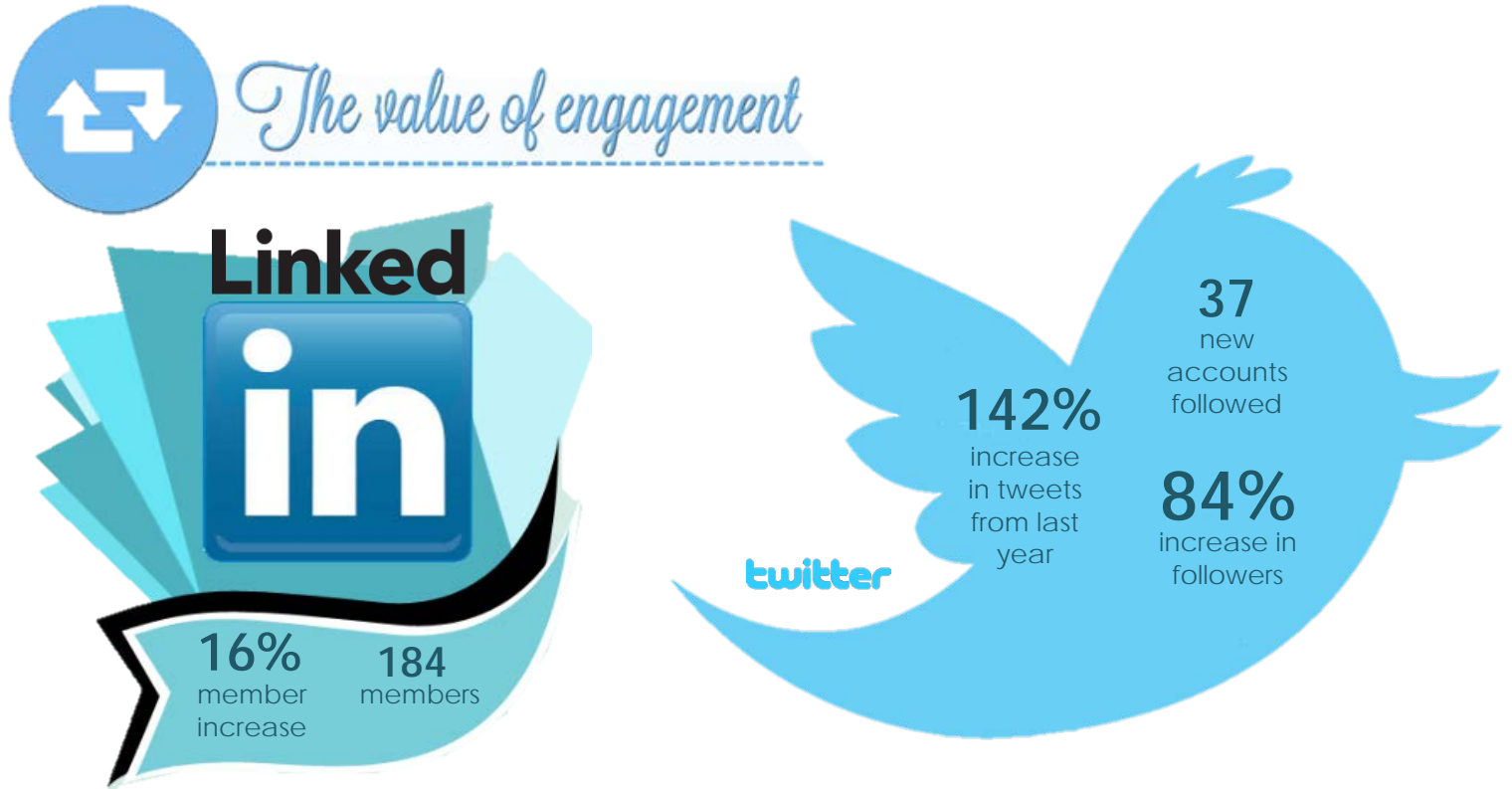
FIND US:



# Member News

## Social Media Update

With over 239 million users on Linked In and over 500 million users on Twitter, it is more important than ever to be involved in social networking. IIE Twin Cities is always striving to increase our social media engagement with our current members and potential future members. We have made great strides, as evidenced in the 2014 statistics below, and plan to make even more improvements in 2015.



## Local Job Opportunity

### Best Practice Operations Analyst(s) Mayo Clinic, Rochester, MN



Mayo Clinic has exciting opportunities available for Industrial Engineers both at junior and senior levels. The Practice Operations Analyst(s) (Job Posting Number: 48416BR) will be working on strategic outpatient practice redesign projects. We are looking specifically for individuals with the following skillset:

#### Key Skills/Experience

- Experience with advanced workflow/operations analysis, staffing analysis
- Appropriate use of systems engineering and operations research methods to facilitate decision making
- Process engineering focused – process improvement methodologies
- Ability to facilitate/lead/consult
- Effectively communicate analyses in an efficient manner to the practice and to leadership
- Ability to demonstrate agility and nimbleness in dealing with changing priorities

Interested candidates can apply using this link: <http://www.mayo-clinic-jobs.com/job/Rochester-Business-Practice-Analyst-Job-MN-55901/250509400/>. Please feel free to contact Tarun Mohan Lal at [MohanLal.Tarun@mayo.edu](mailto:MohanLal.Tarun@mayo.edu) if you have additional questions or are interested in the position.

### Welcome New Members!

IIE Twin Cities would like to welcome new members, renewed members, and members who transferred into our local chapter:

- Jason Anderson, Vascular Solutions
- Brian Benson, Vascular Solutions
- Kayla Bosak, Target
- Bree Bowersox, Boston Scientific
- Jacob Emberger, Vascular Solutions
- John Fenninger
- Kyle Frederickson
- Jon Hammond, Vascular Solutions
- Paul Helms, Medivator
- Jerrod Krueger, Vascular Solutions
- Jose Lozano, FedEx
- Tim Roufs, Vascular Solutions
- Adam Zechmann

We currently have 122 members!

# Local Job Opportunities

For more information on these jobs go to [iienet.org](http://iienet.org), click on 'Career Center' and search jobs by location.

Teaching Professor & Director of Industry Collaboration, U of M Minneapolis, MN

Industrial Engineer, Vista Outdoor Anoka, MN

Project Engineer - Healthcare, 3M Maplewood, MN

Operations Manager, Avis Budget Group Minneapolis, MN

Supply Chain Design Analyst, Land O'Lakes Arden Hills, MN



## Industrial Engineer

**Boston Scientific, Maple Grove, MN**

Boston Scientific (NYSE:BSX) transforms lives through innovative medical solutions that improve the health of patients around the world. As a global medical technology leader for more than 30 years, we advance science for life by providing a broad range of high performance solutions that address unmet patient needs and reduce the cost of healthcare.

**Boston  
Scientific**  
Advancing science for life™

### Position Overview

Industrial Engineers at Boston Scientific drive and implement continuous improvement throughout the business. The department works cross-functionally across the plant to eliminate waste and improve product, material and information flow through production, new product development and business processes.

### Job Responsibilities

Work with key business partners to drive value improvement projects. Coach and mentor teams on lean principles, systems and tools to deliver quality, cost and delivery improvements.

- Identify improvement opportunities across the Value Stream
- Coordinate and champion value improvement projects
- Coordinate and lead facility layout and production line design projects
- Facilitate Lean training programs for employees at all levels and departments
- Coach the organization on lean principles, tools and systems for production and business processes
- Lead and facilitate cross functional problem solving and process improvement teams
- May mentor co-ops or interns
- Build Quality into all aspects of their work by maintaining compliance to all quality requirements

### Qualifications

- Bachelor's degree required
- 2-5 years of experience
- Demonstrated knowledge of Lean practices



## Make a World of Difference

*Every day, across the globe,  
we work at the leading  
edge to make a world of  
difference in patient's lives.  
Whose life will you touch?*

Please submit your resume to Cassandra Johnson via email at [Cassandra.Johnson@bsci.com](mailto:Cassandra.Johnson@bsci.com).

For more information on Boston Scientific careers, please visit [www.BostonScientific.com/careers](http://www.BostonScientific.com/careers).





# Chapter Activity Report

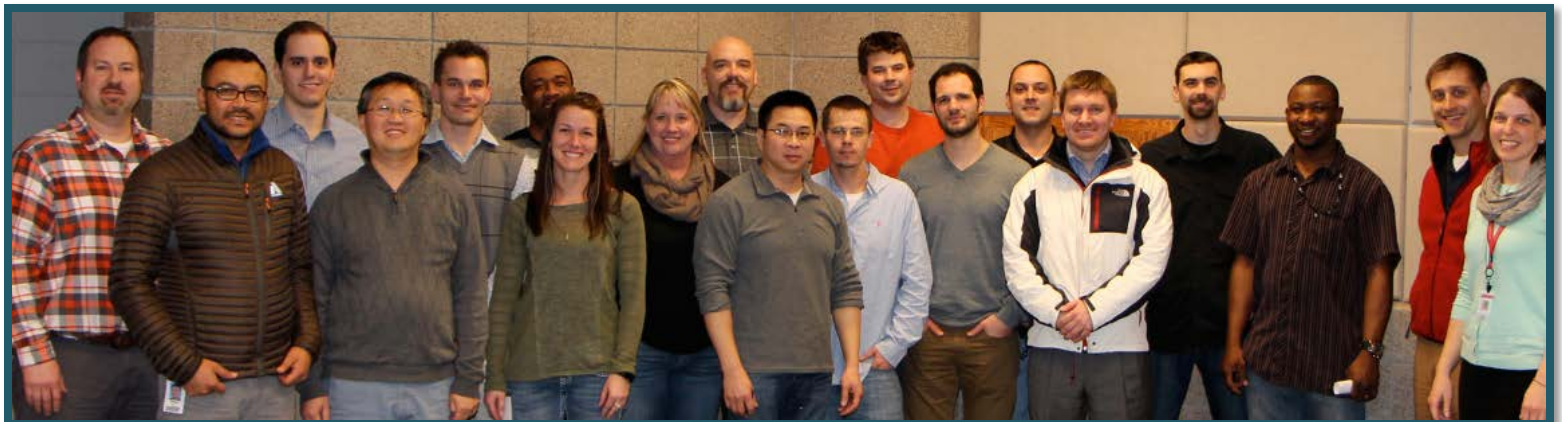
## Focus On: Growing Student Outreach in the Twin Cities

Student outreach has always been a priority for IIE Twin Cities. In 2014, we made a strategic decision to create a Student Liaison Director position with the sole purpose of engaging with students. Add to that the two new undergraduate degree programs for Industrial Engineering starting up in the Twin Cities and 2015 is turning out to be a great success!

It has been rewarding to hear positive feedback from all levels of the organization, including Dan Thury (RVP) and Dennis Oates (National President, Industry Advisory Board). More importantly, each and every opportunity to interact with students allows board members to share, mentor, and encourage, because one day these students may be your coworker or even on your local IIE chapter board of directors!

### DUNWOODY STUDENT CHAPTER KICKOFF

IIE Twin Cities' board members, Nate Andrican and Jeromy Knapp, joined Regional Vice President, Dan Thury, to speak at the kickoff for the newly chartered Dunwoody IIE Student Chapter. An enthusiastic Q&A followed with students and faculty where discussion focused on what the local professional chapter can provide in terms of networking, job opportunities, and benchmarking. We will be working to involve Dunwoody's IIE Student Chapter President, Micah Thorson, in our board activities this year to continue to build this relationship. <http://www.dunwoody.edu/blog/tag/iie-student-chapter/>



### IIE STUDENT CHAPTER REGIONAL CONFERENCE

How to be a Successful Industrial Engineer  
Note Andrican and Tracey Bauer  
March 7, 2015



### 2015 REGIONAL IIE STUDENT CONFERENCE

IIE Twin Cities made our third annual appearance at this conference, held in Milwaukee, WI this year. Nate Andrican and Tracey Bauer conducted a workshop titled "How to be Successful Industrial Engineer." This workshop consisted of sharing career paths, best practices, and lessons learned, followed by extensive discussion with students.

### RECORD STUDENT EVENT ATTENDANCE

Without targeting the student network specifically, the recent event at Innovent saw **15** students from local schools, a record number of students in attendance at a professional chapter event!

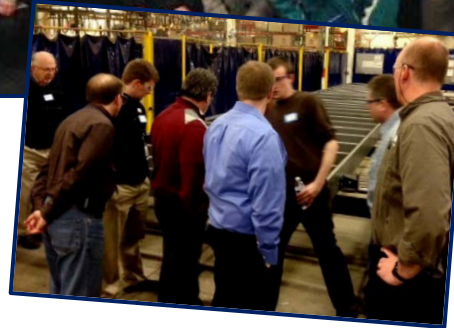




## Past Event Recap

*Innovent Tour, February 2015*

Our first IIE Twin Cities event of 2015 was a huge success! With a large turnout of 31 attendees, consisting of both students and business professionals, the plant manager and three Industrial Engineers gave a presentation and facility tour of Innovent, a unique HVAC solutions company. During the presentation, we heard how the IEs that work at Innovent have been able to apply their knowledge and education to their everyday job.



As we toured the facility, we saw how IE concepts were abundant in the work done at Innovent. With the rapid growth of the company, IEs have their hands full looking for ways to increase efficiency and improve processes. We heard about how the company has used time studies and process standardization to ensure products are made in both a timely manner and with high quality. Thanks to everyone that came to the event. We are looking forward to many more exciting tours and activities this year!

## Past Event Recap

*Joint IIE/ASQ Event, March 2015*

One good way for our members to network is for our chapter to partner with other professional organizations. In March, IIE Twin Cities partnered with ASQ MN for the third consecutive year.

The first speaker was Karen Maskell who provided her insight with "Accelerated Results with Change Management". Ms. Maskell stressed the difference of PROCESS of change vs. the EVENT, as well as why we change, and how that should affect this process. In addition, Ms. Maskell emphasized that the #1 success factor in change management is sponsorship from the right level within an organization.

Dr. Charles Liedtke presented "Big Data – A Glimpse into the Future". Although Dr. Liedtke is heavily involved in advancing "big data" in his research, take-a-ways included:

- Even the very best are often only 40% accurate when applying "big data" learnings, so be careful what you infer
- Not to get too caught up in the trend and forget about the value of the "little" (single event) and "medium" data learning opportunities



Slides from both presenters are available review on the ASQ MN website: <http://mnasq.org/archives/presentations/>

# June IIE Twin Cities Event

## Second Harvest Heartland

Please join us for a volunteer event with Second Harvest Heartland! This organization's mission is to end hunger through community partnerships. We will be going to the Maplewood facility to help with the assembly line shift. During this time, volunteers will be packing grocery boxes for a supplemental nutrition program for low-income seniors.

In addition to helping with the assembly line shift, we have also been able to secure a tour of the facility before the shift with a Volunteer Marketing and Outreach Coordinator. Space for this unique volunteer opportunity is limited to 20 attendees, so be sure to sign up early! This is a great way to network with members of IIE Twin Cities while also giving back to the community.



second harvest  
**HEARTLAND**

*Join us in the fight against hunger.*

**Date** Tuesday, June 23<sup>rd</sup>, 2015  
**Time** 5:00 – 7:30 pm  
**Place** Maplewood Facility, 1140 Gervais Ave., St. Paul, MN  
**RSVP** An e-invitation will be sent. For more information please contact [IIE Twin Cities@gmail.com](mailto:IIE Twin Cities@gmail.com)



### **EVERYBODY LOVES A BOGO!**

*Okay, well in this case it's BTGO (Buy Two Events, Get One Free)! We want to see more of you and we hope that this will help you to consider attending just one more event (or hey, bringing one more friend).*

***Look for an e-mail in the near future with more details!***

## Upcoming Events

### April

9-10 MnSPE: Achievement in Engineering Workshop: For Women Only

11 IIE Brilliant Bracelets at SWE's Wow! That's Engineering!

14 ASQ-MN: 3M Innovation Center Breakfast

### May

7 MFESTS: Board of Directors Meeting

### June

23 IIE Volunteer Event at Second Harvest Heartland

Details on all IIE Twin Cities events can be found at [www.iietwincities.org](http://www.iietwincities.org). Details on all other events can be found at [www.mfests.org](http://www.mfests.org). Events are subject to change.

### What is IIE?

IIE is the world's largest professional society dedicated solely to the support of the industrial engineering profession and individuals involved with improving quality and productivity. Founded in 1948, IIE is an international, non-profit association that provides leadership for the application, education, training, research and development of industrial engineering.

With approximately 15,000 members and 280 chapters worldwide, IIE's primary mission is to meet the ever-changing needs of industrial engineers, which includes undergraduate and graduate students, engineering practitioners and consultants in all industries, engineering managers, and engineers in education, research and government.

### What is IIE Twin Cities?

The IIE Twin Cities Chapter 38 provides a network for individuals within Minnesota and surrounding areas to collaborate about industrial engineering. Our members include professionals with industrial engineering degrees, both working in IE and non-IE roles and professionals working in IE related functions.

We provide monthly events which include topics in professional development, Lean, Six Sigma, Quality, process improvement and tours at distribution centers, manufacturing facilities, hospitals and consulting firms. We also promote the industrial engineering profession by providing scholarships to IE students and becoming involved with several student IIE chapters.