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IISE Twin Cities

Chapter 38 Newsletter

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

11th Annual Bean Bag Tournament

Join us to network, raise money for student scholarships and enjoy the beautiful summer weather!

Please join us for the IISE Twin Cities Annual Bean Bag Tournament fundraiser! This event is open to everyone – feel free to bring co-workers, friends or family.



We have decided to make some exciting changes this year!

- The event will be more centrally located at Bauhaus Brew Labs in NE Minneapolis.

- Event will be held in August as the summer is winding down instead of July.
- Entry is free and the first two beverages are on us!
- Light snacks will be provided and food trucks available for food purchases.

What stays the same is the \$20 per team entrance fee into the tournament. Winners will win a great prize. Profits go towards student scholarships awarded in the fall. Hope to see you there!



DID YOU KNOW?

What is a “Bauhaus” anyway?

During its brief existence in post-WWI Germany, the Bauhaus School was among the world's most famous art and design schools. A crucible of modernism, the impact of the Bauhaus can still be felt today. The Bauhaus was inspiring not just because of the extraordinary group of brilliant, visionary people involved, but because it was fueled by a commitment to creativity and experimentation with the underlying tenet that work, play and celebration should be intertwined.

At Bauhaus Brew Labs, they live by the Bauhaus concept that the joy of art and craft should be celebrated as a part of everyday life.

Date Wednesday, August 23rd, 2017
Time 5:00 pm
Place Bauhaus Brew Labs, 1315 Tyler St. NE, Minneapolis, MN 55413
Cost Free to attend (drink ticket and light snacks provided)
 \$20/team for Bean Bag Tournament
RSVP An e-invitation has been sent. If you did not receive the invite, please send your RSVP to IISE.TwinCities@gmail.com.



President's Message

Kayla Bosak, IISE Twin Cities President.

Hope everyone is having a fabulous summer! You probably haven't heard a lot from us lately as we have slightly shifted our events this year to avoid being in the heart of summer when schedules are so busy. But fear not – we are about to kick off the second half of the year with some awesome events!

We have had a great year so far with some exciting tours, networking and student outreach. Coming up is the summer bean bag tournament and fundraiser – always a great time! We are hoping to host two more tours, a student networking event in November and the year-end social in December.

None of which would be possible without our amazing group of volunteers! Being on the board is a very rewarding experience in many ways. It is a chance to volunteer and give back to your profession. Plus we are quite a fun group (if I do say so myself) and get some free dinners.

If you are interested in joining the board of directors for 2018, please talk to any current board members or email us. Keep an eye out for our call for nominations in the fall.

Hope to see you at the bean bag tournament!

Sincerely,

Kayla



We have a new e-mail address!
IISE.TwinCities@gmail.com

NEW! 2017 IISE Twin Cities Officers and Board Members Contact Information NEW!

President	Kayla Bosak, Target	Kayla.Bosak@target.com
President – Elect	Chris Heinze, UTC Aerospace Systems	chris_heinze@hotmail.com
Past President	Jeromy Knapp, Stratasys	Jeromy.Knapp@stratasys.com
Treasurer	Nate Andrican, Medtronic	nandrican@gmail.com
Events Director	Courtney Cheng, Target	Courtney.Cheng@target.com
Membership Director	Matthew Schlicksup, Target	Matt.Schlicksup@gmail.com
Newsletter Director	Jenna Weiland, Boston Scientific	Jenna.Weiland@bsci.com
Website Director	Allison Shaver, UPS	Allison.C.Shaver@gmail.com
Social Media Director	Stephanie Tom, Target	Stephanie.Tom@target.com
Student Liaison	Jeremiah Johnson, Boston Scientific	Jeremiah.Johnson@bsci.com
Board Member at Large	Jeff Meyer-Quarberg, Boston Scientific	Jeffrey.Meyer-Quarberg@bsci.com
Board Member at Large	Britta Lee, Boston Scientific	Britta.Lee@bsci.com
Board Member at Large	Nicole Spalding, Boston Scientific	Nicole.Spalding@bsci.com

FIND US:



Member News

A Message from our Membership Director

Thank you for being part of the chapter and supporting the industrial and systems engineering community in the Twin Cities. Our mission statement is “To provide knowledge, training, networking opportunities and recognition to enhance the skills and effectiveness of the industrial and systems engineering profession and those individuals involved with improving quality and productivity.”

I personally think we’re doing a good job of modeling that mission statement here in Minneapolis. On the knowledge side, we’re hosting multiple events throughout the year to show people the opportunities that exist for industrial engineers across a wide range of industries. This year we’ve done events at UPS, Nordic Ware and Star Tribune. On the training side, one of our board members has done a variety of Lean Training sessions and we continue to look for opportunities regarding training. On the recognition side, we hand out recognition awards and student scholarships every year. And when it comes to networking, well, we probably over index on that because it’s the most fun.

So why be a member? That’s entirely up to you, but here are some reasons to consider it if you are not already a member or are thinking about renewing your membership.

1. Free attendance to any IISE event (this is new)
2. Priority access to any IISE event (this is new)
3. Satisfaction in knowing that you’re supporting the IISE community in Minneapolis.
4. Networking. Never underestimate the power of networking. (I found my current job during an IISE networking event.)

What we do as a chapter is more valuable the more we get participation from a broad range of industries, backgrounds, universities, etc. Thank you again to members and non-members alike!



Matt Schlicksup
Membership Director

Welcome New & Returning Members!

- Mike Alcott
- Darcy Best
- Daniel Burns
- Abby Byzewski
- Ashley Coykendall
- Ritesh Deliwala
- Xuedong Ding
- Carrie Downey
- Joe Friedrich
- Iliette Frontera Agenjo
- Elizabeth Hawkins
- Jeremiah Janssen
- Stephanie Jurrens
- Giovanna Massard
- Allison Mehlhorn
- Robbie Mouton
- Rachel Muravin
- Kevin O’Neill
- Diana Senyana
- Andrew Sorenson
- Lisa Trinh
- Marta VanDerBosch

*We currently have
151 members!*



Local Job Opportunities

For more information on these jobs go to iisenet.org, click on 'Career Center' and search jobs by location.

Engineering Manager Immersion Program, Target	Minneapolis, MN
Industrial Engineer, Nilfisk	Brooklyn Park, MN
VP Manufacturing & Operations, Cardiovascular Systems Inc.	St. Paul, MN
Senior Industrial Engineer, Polaris	Wyoming, MN
Process Improvement Engineer, PepsiCo	Burnsville, MN



Senior Continuous Improvement Engineer Medtronic, Brooklyn Center, MN

Position Overview

The Senior Continuous Improvement engineer will work as a Lean Manufacturing change agent and coach and represents the organization as a senior technical contact on Lean Manufacturing and projects. This position will be responsible to lead and execute continuous improvement initiatives across the site and coach continuous improvement practitioners in problem solving and program management. This will require the ability to educate and motivate individuals at different levels of the organization and the ability to manage projects to a successful and timely conclusion. Additionally, this position will support new product introductions to ensure that the manufacturing processes, equipment and the production cells are 'born lean'. The position interacts with senior internal personnel on technical matters often requiring cross-functional collaboration.

Position Responsibilities

- Lead site wide initiatives for Operational Excellence.
- Hands on execution and project management of Lean transformation projects (Cell Operating System).
- Drive site adoption of Six Sigma, Lean, and other performance improvement methodologies.
- Delivers DMAIC, Six-Sigma and Lean Manufacturing training.
- Coach team members in problem solving.
- Assess and evaluate gaps in manufacturing work flows and management systems
- Facilitate Kaizen events across the organization.
- Plans, re-designs and organizes manufacturing, Non-Manufacturing facilities and production cells.
- Estimates production times, staffing requirements, and related costs to provide information for management decisions.
- Capacity modeling
- Technical expert in Lean Manufacturing tools and principles including set-up reduction, standardized work, value stream mapping, Heijunka and A3 thinking, has general knowledge of other related disciplines.
- Perform cost/benefit analyses.

Basic Qualifications

EDUCATION REQUIRED: Bachelor's Degree in Engineering

YEARS OF EXPERIENCE 4+ years

SPECIALIZED KNOWLEDGE REQUIRED

- Expertise in Lean Manufacturing / Toyota Production System
- Knowledge project management and lean transformations
- Experience with problem solving using analytics such as DMAIC/A3

Desired/Preferred Qualifications

- Master's Degree
- Green Belt Certification (Internal or ASQ)
- BB/Master Black Belt certification
- Ability to facilitate groups and teams
- Coaching Experience
- AutoCAD, Visual Basic

For more information please contact julian.elizondo@medtronic.com

Medtronic

Continuous Improvement Engineer
Medtronic, Brooklyn Center, MN



Position Overview

The Continuous Improvement engineer will work as a Lean Manufacturing change agent and coach. This position will be responsible to lead and execute continuous improvement initiatives across the site and coach continuous improvement practitioners in problem solving. This will require the ability to educate and motivate individuals at different levels of the organization and the ability to manage projects to a successful and timely conclusion. Additionally, this position will support new product introductions to ensure that the manufacturing processes, equipment and the production cells are 'born lean'.

Position Responsibilities

- Lead site wide initiatives for Costs of Goods Manufactured (COGM) reduction.
- Hands on execution of Lean transformation projects (Cell Operating System).
- Drive site adoption of Six Sigma, Lean, and other performance improvement methodologies.
- Delivers Problem Solving and Lean Manufacturing training.
- Coach team members in problem solving.
- Assess manufacturing work flows and management systems
- Facilitate Kaizen events
- Plans, re-designs and organizes manufacturing facilities and production cells.
- Estimates production times, staffing requirements, and related costs to provide information for management decisions
- Capacity modeling
- Technical expert in Lean Manufacturing tools and principles including set-up reduction, standardized work, value stream mapping, Heijunka and A3 thinking
- Perform cost/benefit analyses

Basic Qualifications

EDUCATION REQUIRED: Bachelor's Degree in Engineering

YEARS OF EXPERIENCE 2+ years

SPECIALIZED KNOWLEDGE REQUIRED

- Knowledge in Lean Manufacturing / Toyota Production System
- Experience with project management and lean transformations
- Experience with problem solving using analytic s such as DMAIC/A3

Desired/Preferred Qualifications

- Master's Degree
- Green Belt/Black Belt Certification
- Ability to facilitate groups and teams
- AutoCAD, Visual Basic

For more information please contact julian.elizondo@medtronic.com



StarTribune

Past Event Recap

Star Tribune Tour, April 2017

This was our second Star Tribune tour – but this time we got to see the presses up and running!

This production is so fascinating – the printing presses are as big as a house, very old (same presses they had in the 50s), and have an incredible amount of moving parts. Yet those machines still keep up with the high volume production and short lead times of the newspaper business today.

The tour begins in the warehouse where rail cars come right through to deliver 1 ton rolls of paper. There are automated robots that pick up the rolls of paper and deliver them to the right location. We saw how stories are turned into plates, printed onto the paper, then how the machine cuts and folds the papers. The papers are stuffed with ads relevant to whichever area code the papers are going to and shipped.

Fun fact: a story may change after the paper has started printing and shipping so they update the story to a 2nd version and continue printing. So there could be several versions of the same story out there depending on where you get the paper! Our tour guide had started as a journalist at the Star Tribune in the 1950s so we heard all kinds of great stories of the business then vs. today.

We ended that tour at The Loop for happy hour – all in all a great event!



Chapter Activity Report

Top 5 Reasons to Attend the IISE National Conference



**Jeromy
Knapp**
Past-
President

1. NETWORKING

If you don't already know, it's all about who you know, not what you know. The conference is the best way to meet likeminded engineers all over the country. Everyone is extremely helpful and willing to sit down and get to know you. After listening to a speaker at a session you can simply go up and introduce yourself. It could turn into a mentor/mentee relationship or just a simple sharing of ideas. There are also networking events each night to meet people and develop your personal network.

2. EXCELLENT VENUES

I have been able to attend the National Conference 4 of the last 5 years. It is difficult to pick my favorite venue out of Pittsburgh (Steel City), Anaheim (Disney Land), Nashville (country music), and San Juan (Caribbean). Okay, it is actually pretty easy, San Juan was awesome. That being said the next three years are going to be just as good. Next year the conference will be in Orlando (Universal Studios), 2019 the conference will be back in San Juan and 2020 will be in New Orleans (the Big Easy).

3. RELEVANT TOPICS

The conference has multiple opportunities to sharpen your industrial engineering skills. Starting this year there will be a dedicated track specifically for all of us in industry. In the past there were sessions that touched on industries but this year the Industry Advisory Board is developing a unique track with 2 full days of sessions. They will include sessions like business and leadership skills, career planning, and emerging technologies.

This will be done through tracks highlighting technical skills and soft skills given by some of the best engineers in our industry. There are also workshops such as the one put on by our very own Regional Vice President, Tarun Mohan Lal (Systems Engineering and Advanced Analytics in Healthcare).

4. RE-ENERGIZING

I use the conference as a time to recharge my batteries. Every time I get back from the conference I have a ton of energy and ideas to bring back to the job and to the local Twin Cities IISE chapter. They have specific training for the professional chapters that help with developing leadership skills. Each session I attend I come up with ideas of things I want to implement on my team.

5. FUN

Every time I attend the conference I have fun. The organizers of the conference make the networking events and awards banquet fun to attend. Of course, it's the people that make the difference. I have met some fantastic people at the conferences.

If you have any questions please email me at Jeromy.knapp@gmail.com.

I would be happy to share my experiences or how to easily request funding from your employer.

September IISE Event

Soft Skill Competencies for Engineers Webinar

Please join us for a free webinar hosted by the IISE Industry Advisory Board. This presentation provides an overview of engineering soft skill competencies identified in studies of engineering competency models. The soft skill competencies are mostly related to the areas of personal and interpersonal effectiveness that are typically used in the technical workplace. These competencies include, but are not limited to, communication, interpersonal skills, teamwork, integrity, professionalism, creative thinking, problem solving, and lifelong learning.

It is presented by Clifford A. Whitcomb, Ph.D., professor, Naval Postgraduate School. Clifford Whitcomb is a professor in the Systems Engineering Department at the Naval Postgraduate School in Monterey, California. He is the past chairman of the Systems Engineering Department from 2009 - 2015. Whitcomb's research interests include systems engineering competency modeling, design thinking and human-centered design, model-based systems engineering, defense systems of systems, naval construction and engineering, leadership, communication, and interpersonal skills development for engineers. He has more than 35 years of experience in defense systems engineering and related fields.



Date Thursday, September 14th, 2017
Time 3:00 pm CST
Cost Free
RSVP Please register here –
<http://www.iise.org/details.aspx?id=45067>

Upcoming Events

August

- 23 IISE Twin Cities 11th Annual Bean Bag Tournament**
- 24 STEM Day at the MN State Fair (volunteers needed)**

September

- 15 IISE Soft Skill Competencies for Engineers Webinar**
- 19 MFESTS Board of Directors Mtg at Science Museum of MN, preview IMAX "Dream Big" feature on Engineering narrated by Jeff Bridges**

October

- TBD IISE Twin Cities Cummins Power Generation Tour**

November

- TBD IISE Twin Cities Student Networking Event**

December

- TBD IISE Twin Cities Year End Social**

Details on all IISE Twin Cities events can be found at www.iietwincities.org. Details on all other events can be found at www.mfests.org.

Events are subject to change.

What is IISE?

IISE 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, IISE 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, IISE'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 IISE Twin Cities?

The IISE 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 IISE chapters.