



NORTH STAR
Systems Engineering

The Integrator

North Star Chapter of INCOSE Newsletter

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Chapter News

The President's Corner...

Greetings North Star members!

Way back in April, North Star Chapter hosted the INCOSE Health Care Working Group (HWG) annual meeting here in the Twin Cities and it was a great success! [\(read more below or above or whatever makes sense\)](#) The week before the WG meeting we had a presence in the exhibition at the [DMD conference](#) at the Graduate hotel on the U of MN campus. We handed out INCOSE fliers, made connections with potential chapter meeting speakers, met young students – even middle schoolers – and introduced them to the concept of SE. I spoke to a few people who knew of SE and to many people who did not. As the HWG has decided to hold their meeting here for the next 2 years, we will also maintain a presence at the DMD for the purpose of growing the synergy between these two communities.

[GLRC 2018](#) This regional conference will take place on October 17-20 in Indianapolis, IN. Attending the conference is a great way to explore the different learning and networking opportunities the organization provides. You can take the SEP knowledge exam, take one or more tutorials, or attend the SE Professional Development Day on October 19. If you are new to INCOSE (or not) and want to engage beyond the local chapter, attending this conference is a great way to start! For more information please contact Sean McCoy, CSEP, NSC President-Elect and GLRC 2018 liaison at sean.mccoy.csep@gmail.com

[IS2018 July 7-12 in Washington DC](#). “Delivering Systems in the Age of Globalization”. I will be attending on behalf of Digi International, to expand my understanding of systems engineering principles applied to engineering business processes. I'm also really excited to be able to be there in person to accept the Platinum Circle award and President's Award for Outstanding Chapter for 2017 that the North Star leaders and members worked so diligently to achieve. For a group of volunteers who are busy living and working in a wide range of locations in the Twin Cities, we get things done! If any other North Star Chapter members plan to attend IS2018, please contact me so we can coordinate while we're there. Ambassador program meeting on June 28 at Grumpy's on Washington Ave – the agenda includes a discussion of topics for the Fall tutorial so we can make a decision and starting planning the event. If you have an idea for a technical topic or a recommendation for a speaker, we invite you to attend this meeting or send your comments via email to Northstar.incose@gmail.com.

[Our summer social](#) will take place on Saturday, July 14, at 5pm with a ride on the Steamboat Minnehaha on Lake Minnetonka with dinner and a brewery tour following the boat ride.

For the Fall we are preparing tours at MTS in October and at PaR in November, stay tuned for more details! A new initiative we are working on is a locally based Cyber Security Working Group. We will have an organizing and brainstorming meeting in early August – date and location TBD – if you are interested in participating in the formation of this team please contact me.

Have a great summer!

Roz Dolid,
North Star Chapter President 2018

Where We Have Been...

April 12th Meeting, Digital Fabrication at Century College



The North Star Chapter of INCOSE was pleased to be invited to an in-depth presentation by Scott Simenson as he shared his challenges and triumphs as the director of a \$1.1 million Digital Fabrication lab located just north of St. Paul on the campus of Century College. Mr. Simenson shared his perspective of establishing and maintaining a state of the art lab where it is possible to make almost anything, ranging from small electronic circuits to full-sized boats, and even small modular cabins.

Digital Fabrication Lab, located on Century College's East campus, is the foundation for the College's vision and direction, leading to the development of a new degree program: Additive and Digital Manufacturing. The Century College

Engineering and Fab Lab – A Center for Makers and Innovators is a \$1.1 million-dollar, 8500 sq. ft. facility. The Fab Lab and Innovation Center offers a blend of unique technology solutions designed to stimulate learning through the innovative life cycle utilizing new digital fabrication tools and techniques.



May 10th Meeting, Hennepin Energy Recovery Center (HERC)



Hennepin County Energy Recovery Center

Located in downtown Minneapolis, Hennepin Energy Recovery Center (HERC) uses waste to create energy. HERC uses the latest technologies to reduce environmental and taxpayer costs

We got to learn how creating electrical power for 25,000 homes, and recovering 11,000 tons of scrap metal sound like a better use of truckloads of trash than creating more mountains of

landfill? Hennepin County residents and businesses generate more than one million tons of waste each year, enough to fill the Target Center 11 times over.

This presentation explains the technology, equipment and processes to operate, maintain and control this recovery operation. These questions and more will be answered in May at the INCOSE North Star Chapter (NSC) Monthly Meeting.

June 21st Meeting, GRACO: Premier Manufacturer of Fluid-Handling Equipment



We were invited to take an in-depth look at Graco. In 1958, Graco introduced the industry's first airless paint sprayer. This company has spent the last six decades continuing to innovate to improve and make advancements to its airless sprayer and airless accessory offering, equipping end users with the best, most dependable and job-site ready sprayers available on the market today. Airless paint spraying only part of the rich history Graco has added to the Minneapolis business world.

A great time was had by all!

Special Events...

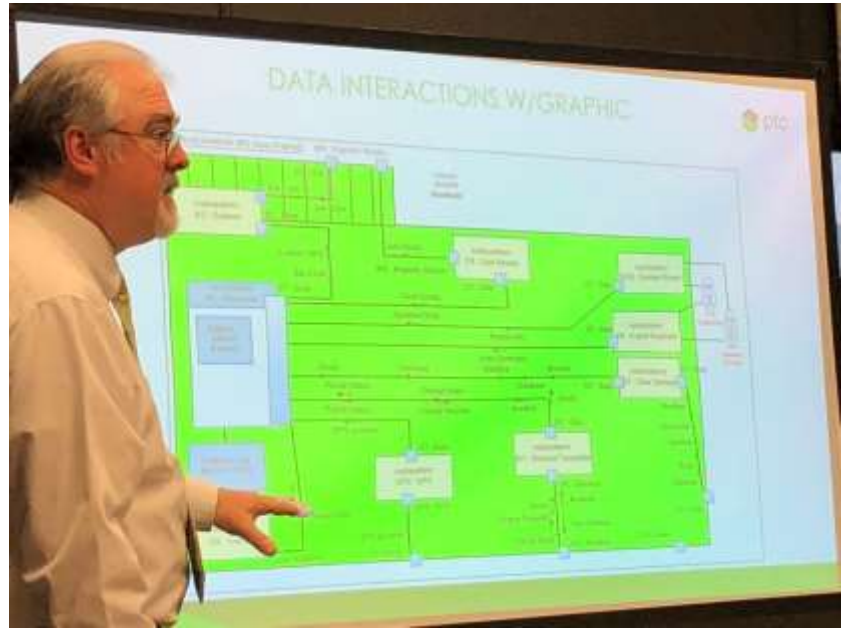
4th Annual INCOSE Conference: Systems Engineering in Healthcare
Minneapolis/Saint Paul, April 19-20, 2018



“How SE Can Reduce Cost & Improve Quality”

For this small and interactive conference, we had practitioners share their knowledge and experience through presentations and collaborative sessions. We encouraged sessions focused on experience reports and case studies, since these were highly valued in previous conferences. Instructional tutorials were also welcome, which are better when they include examples that help the audience apply the learning to their context. Interactive panel sessions to explore a topic were also encouraged.





SPRING TUTORIAL: Emotional Intelligence: Key to Career and Life Success by Jill Hauwiler



Why is everyone talking about emotional intelligence lately?

We found out at an interactive discussion of emotional intelligence in our work and personal lives. We explored 15 competencies that have been researched, measured, and scientifically correlated to personal and professional success. We also looked at the skills, talents, and challenges often attributed to healthy leaders. Participants self-assessed the 15 competencies and explored approaches, tools, resources, and best practices in leveraging strengths and developing areas for improvement. Attendees left the session with new knowledge, insights, awareness, and confidence in their ability to not only understand but develop emotional intelligence in themselves and others, including diverse, multi-generational teams.

Welcome New Chapter Members!

BEN AUCHTER, of Tennant Co. Ben is a Senior Electrical and Computer Engineer with 10+ years' experience in new product/technology R&D in the areas of hardware development, firmware development, FPGA/HDL, board-level design, software development and product testing/certification. He specifies, Designs, Documents, Tests, and Transitions to Manufacturing a broad array of products within many industry sectors. Just a few of his many talents

ZACK COOPER, of BAE Systems. Zack has ambitions he intends to pursue further education for a master's degree. If not in Mechanical Engineering then potentially in Systems, Aerospace, or Computer Engineering based on the ultimate benefit provided.

JONATHAN DORFF is a Medical Industry Entrepreneur with an MBA.

SCOTT KAPLIN, of SK Technical Services.

TYLER KLEIN is a Systems Engineer at Abbott Laboratories.

DR. PAMELA RIENTS-TUSCHMAN, of Leading Health Clinics, INC.

STEPHEN THOMPSON, of Securian Asset Management.

BENJAMIN WATTERS is a Systems Engineer at Abbott Laboratories.

Local Action...

Please visit us at our website [North Star Chapter of INCOSE](#) to find out what is going on with the Chapter in the Twin Cities and surrounding areas.

Join us on LinkedIn, [INCOSE North Star Chapter](#)

On the Regional Front...

Join us for the [Great Lakes Regional Conference 2018!](#)



2018 Annual INCOSE
Great Lakes Regional Conference
SYSTEMS AT THE CROSSROADS
17 - 20 October 2018 | Indianapolis, Indiana

At International...

Learn more about what we can do. Click for the [Q2 2018 INCOSE Members Newsletter](#)

Join INCOSE on the Official



OR

Join INCOSE on the Official

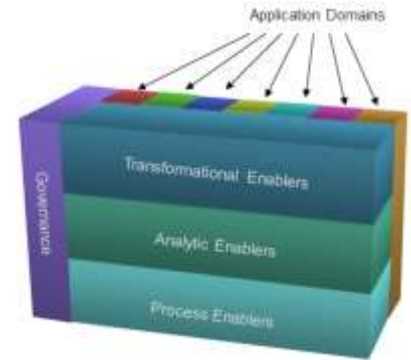


Follow us on



Keep your skill set current and keep up with best practices by joining a Working Group TODAY!

INCOSE working groups are a great place to meet individuals who are looking to overcome similar challenges. These groups often span multiple regions and industries, so we can really look at these topics in a broad, informed way. In the North Star Chapter, we have several members Chair/working in different groups like the Measurement, SE in Very Small Enterprises (VSE), Handbook as well as others. There are many topics to choose from. Finding the groups and joining is easy! To join any working group:



1. Login to your account at INCOSE.ORG
2. Click on the "Profile Home" link under your login at the top of the page.
3. Scroll down to **My Committees/Working Groups** on the lower left-hand side of the page and click on the link **Browse / Join a Working Group**
4. This will result in a list of Working Groups under the header Committees. (The terms are interchangeable)
5. Scroll down until you see find a committee that you are interested in. Click the link and then on the right click on the (view) link.
6. This will result in a roster of current WG members.
7. Scroll down to the bottom of the list and under "Committee Tasks" click on "Join this Committee"

Working groups are a great way to learn more about a subject, grow your network, and share your knowledge about a subject.