



NORTH STAR
Systems Engineering

The Integrator

North Star Chapter of INCOSE Newsletter

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Third Quarter 2018

Chapter News

The President's Corner...

Greetings North Star members!

Elections are in progress for next year's leadership team, we are still looking for a President-Elect, or two people to be Co-President-Elect. If interested, please send a message to northstar.incose@gmail.com.

INCOSE's IS2018 "Delivering Systems in the Age of Globalization" was held July 7-12 in Washington DC. Five North Star members attended (see photo). The Chapter was awarded Platinum Chapter Award for 2017 as well as the President's Outstanding Chapter Award. Many thanks to the leadership team in 2017 for all the hard work – it paid off with these new plaques we can add to our collection!



Upcoming events include:

- 10/11 Chapter meeting at MTS – registration is closed so hopefully you already signed up!
 - 10/18 Leadership meeting – Poor Richard's in Bloomington 6-8pm
 - 11/13 Cyber Security meeting – contact me for details
 - 11/15 Leadership meeting – Poor Richard's in Bloomington 6-8pm
 - 11/16 Requirements tutorial at BAE systems – announcement coming soon
 - 11/17 2019 strategy meeting – contact me for details
 - 11/19 Joint Chapter meeting with PMI Health Care practitioner group, panel discussion on using SE to deliver quality health care
 - 12/1 Winter social at the Dakota Curling Club in Lakeville – watch for the announcement with details.
- Enjoy the Fall weather before Winter gets us...

Roz Dolid,
North Star Chapter President 2018

Where We Have Been...

July 14th Summer Social

For our Summer Social we took life less seriously and just enjoyed a great evening out with good friends and associates. To that end, the North Star Chapter planned an especially entertaining evening of multiple activities. We were All Aboard the 112-year-old steamboat Minnehaha for a delightful one hour and fifteen minute “Minnetonka Memories” cruise around Lake Minnetonka. After our cruise we



supped at Jake O'Connor's and finished up at Excelsior Brewery where we had a private area along with a full tour of the operation by the BrewMeister. Great fun was had by all!

August 9th Meeting, Permanent Magnet Motor Design

This presentation discussed the job functions of a System Engineer and how it pertains to a System Project. The information was based on Lowell's experience in working as an engineer involved in many types of applications over the past 40 years. This presentation was done in four sections. The first section was an overview of the purpose of a System Engineer. The second section was a discussion of management of a System Engineering project in how the job is done. The third section was an example of picking a motor to use in a Commercial Delivery Drone. The fourth section was discussion on why a certain motor style was picked and show the procedure of doing the job of picking the motor. This presentation also discussed the overall application of a delivery drone to familiarize the attendee to what, when, where, why, and how delivery drone operates and gave a basic introduction to the Permanent Magnet motors that are used in Autonomous Battery Powered vehicles.



September 13th Meeting, Engineering and Patent Law



Benjamin Edlavitch has over ten years of industry experience in intellectual property law and services clients in the fields of computer hardware and software, telecommunications, financial services, farm and construction equipment, medical devices, food processing, and industrial instrumentation and automation systems. He holds an Electrical Engineering degree from the University of Illinois at Chicago (cum laude) and a Juris Doctor from IIT Chicago-Kent College of Law. He also has a degree in Biology from Washington University in St. Louis and professional certifications related to Computer Information Systems from IBM, Sun Microsystems, and the University of California, Berkeley. Prior to law school, Ben worked for many years in Chicago and Northern California as a software developer.

Special Events...



The Works Museum Girl Time Event, September 21, 2018.

From **Sam Keyes, Event Specialist**: Thank you all *so much* for joining and supporting us at Girl Time this past weekend. The event had an incredible turnout: there were over 1,100 visitors across the whole day! We hope the event was as fun for you and your teams as it was for us.

I've linked a brief post-event survey, if you wouldn't mind giving it a few minutes. We'd certainly appreciate any feedback so that we can continue to improve our event for next year. I'll also send some event photos to each of you later this week once we've had a chance to sort through them all.

Getting ready...

Our setup



Our table so lovingly and symmetrically installed from the night before in anticipation of the big event.

Our project, The Hover Craft.



Grown Girl Time, last minute adjustments!



The fruit of our labors.



Welcome New Chapter Members!

LIN LI, of TSI Inc. TSI is a Precision Measurement Instruments company located here in Shoreview, MN.

BEN MULLIN, of Minnetronix, Inc. Ben is a Principal Systems Engineer Technical team leader applying Minnetronix Standard Operating Procedures and cross-functional knowledge of electronics, software, and mechanical technologies to the specification, architecture, design, implementation, and test of embedded medical devices. Responsible for all levels of architecture, on major projects of moderate to high complexity. Find him on LinkedIn, [Ben Mullins](#).

FRANKLIN OLANIYAN, of Northrop Grumman Corporation. Franklin is a Sr. Systems Engineer at and he has solid backgrounds in business and technology. His skill sets are well balanced between Systems Engineering methodologies, developing system requirements, project management and management of systems. Find him on LinkedIn, [Franklin Olaniyan](#).

JASON PARNELL, of Northrop Grumman Corporation. Jason is an Assoc Systems Engineer who is highly motivated with a distinguished work ethic, strong leadership skills, and the cooperative ability to effectively work in a team. He is always looking for new opportunities to expand his knowledge and skill set in the aerospace and defense industry. He hopes someday to manage his own team, facility, or company and to make a significant impact on the business. Find him on LinkedIn, [Jason Parnell](#).

JO YOUNG is a Staff Electrical Engineer at Abbott. Find him on LinkedIn, [Joe Young](#).

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

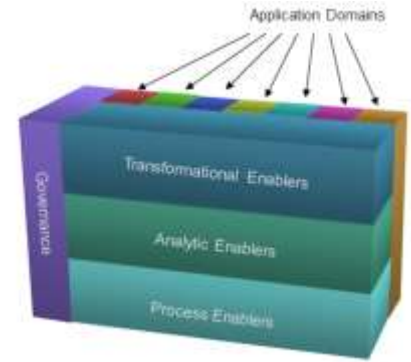


Follow us on



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](https://www.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.