

The Integrator

INCOSE North Star Chapter



Volume 5, Issue 1

February 2009

North Star Newsletter

INCOSE North Star Newsletter Communication

Please submit comments and SE articles of interest to Eileen.Arnold@BAEsystems.com. Eileen Arnold, Editor

Systems Engineering at its Best!

As part of the engineering community, there are numerous opportunities to get involved, honing leadership, technical and people skills. The following are the current calls for volunteerism. *It's true, volunteers have more fun!*

Volunteers needed for INCOSE North Star Chapter

Leadership Team

Come join the North Star Chapter leadership group! We meet once a month, rotating between Pracna's on Main and Timber Lodge South. We have several tasks that require minimal time as well as more in depth positions. To get involved, please contact: jpalmer@usfamily.net or NeillBRadke@Eaton.com

Volunteers needed for robotics competition at the U of M in April

Team mentors and volunteers are needed for the Minnesota Regional FIRST Robotics Competition at the University's Mariucci and Williams arenas, including the practice day on Thursday, April 2 and competition days on Friday, April 3 and Saturday, April 4. More than 100 high school robotics teams from Minnesota and surrounding states will participate in the competition. The University's Institute of Technology is one of the hosts of the event. To get involved, send an e-mail with your name, background, and contact information to Mark Lawrence at MarkL56821@aol.com.

Volunteers needed for TechFest

TechFest 2009 is an Engineers Week Celebration of Engineering directed at grade school level children. Saturday, Feb. 28, 2009 9 a.m.–5 p.m.

Chapter President's Corner

Neill Radke, Eaton Corporation and John Palmer, U of Minnesota, 2009 Co-Presidents

This is National Engineers Week. Look around at the many engineering wonders that have been implemented, and make it a personal objective to share your engineering expertise and talents with someone younger. Take the initiative, make contact and work with students in your schools and other organizations.

Following the 2009 theme, "Practical Application of Systems Engineering", the year has started with two outstanding programs, the first at Starkey Labs, and the second at PaR Systems. Attendance at both events has been at an all time high for the chapter. Thank you for those who have attended the meetings. We are also finalizing plans for the spring tutorial. Watch your email for details on another great learning opportunity.

Two of our strategic objectives for 2009 are to, one, expose students at the high school level to SE and, two, to pursue the establishment of a student chapter at one of our local universities. To accomplish the first objective, our March chapter meeting will be at Wayzata High School where we will hear about some interesting long term student design projects – from the students themselves – and also tell them a bit about SE. To address the second, our May meeting will be at the U of MN where we will receive a student report on their progress in designing their entry in the national Solar House Project.

These are exciting times for the North Star Chapter! To get involved, please contact:

jpalmer@usfamily.net or NeillBRadke@Eaton.com

North Star Chapter Website
<http://www.incose.org/northstar>

Continued on page 2

The Works museum
3rd floor, Edina Community Center
5701 Normandale Road, Edina

The event is free and open to the public. The event includes free admission to The Works hands-on museum.

The day's activities will focus on an aerospace engineering theme.

- View an aircraft.
- Experience robot demonstrations.
- Build a mini hovercraft with the kids.
- View the skies inside a planetarium show.
- Enjoy a Physics Force performance.
- See a futuristic vehicle.
- Get your photo taken with Goldy Gopher who is scheduled to make a special appearance during the event.

TechFest is a cooperative effort of The Works and the Institute of Technology Alumni Society with sponsorship from Alliant Techsystems and the Center for Transportation Studies with additional support from General Mills, the Society of Women Engineers, and the Minnesota Federation of Engineering, Science and Technology Societies.

TechFest needs volunteer Engineers to help guide children in making a Hovercraft from a kit supplied in one of the workrooms. Anybody willing to work for a two hour shift between 8:30am and 10:00pm please contact Richard Heinecke at rickheinecke@aol.com. This is a great opportunity to help our children become acquainted and enthused about engineering.

The following events are sponsored by the Society of Womens Engineers.

Sparks, Slime, Speed

Sunday February 15th, 12-4pm, Science Museum of MN
Spark Slime Speed is back for the 4th year! The event was a huge success last year with over 800 parents and students attending.

A SPECIAL THANKS to General Dynamics-Advanced Information Systems (GD-AIS) for sponsoring this event for the 4th year in a row! This year's event will be held at the Science Museum of Minnesota on Sunday, February 15th from 12pm-4pm.

This year's experiments include:
Pinwheels
Hoop Gliders

Electrical Charges
Kaleidoscopes
Oil Spill

Girls, Inc. Power Girls

Saturday, February 21st, 8am-12pm, Dunwoody College, Minneapolis

Girls. Incorporated, a national nonprofit youth organization dedicated to inspiring all girls to be strong, smart, and bold, has asked SWE-MN to be part of their Power Girls Event this year! Power Girls is an annual conference for girls ages 9-14, exposing them to jobs in the trades and other non-traditional careers. Girls, Inc.® at the YWCA of Minneapolis partners with Women In the Trades (WIT) to put on this all day workshop where girls learn hands-on about jobs not traditionally done by women. **SWE-MN will be helping out during this event by doing Egg Mobiles with the girls!** If you want to volunteer for this great event, please email Allison at volunteer@swe-mn.org

Next Meetings:

Date	Topic/Theme	Location
8 Jan	SE Initiatives	Starkey Labs
12 Feb	SE in production systems	PaR Systems
12 Mar	SE in a Student Project	Wayzata HS
9 Apr	SE in Determining Architecture	Eaton Corp.
7 May	SE in the U of Minnesota Solar House Project	U of Minnesota
11 Jun	IS Paper Dry Run plus Tour	ION Corporation
19-23 Jul	INCOSE International Symposium/Social	Singapore
13 Aug	SE in Design	ADC Corp.
10 Sep	SE in Conducting Trade Offs	Medtronic
8 Oct	SE in Operations and Maintenance	Minneapolis H ₂ O
12 Nov	SE in Requirements Development	Honeywell