

# Midwest Gateway Newsletter

## International Council on Systems Engineering

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### President's Corner

Brian Beyer

President MGC INCOSE

Midwest Gateway INCOSE Chapter Members, We have been a very active chapter this year, having planned and held numerous chapter meetings over the course of 2009, as well as participating in several Outreach events. I'd like to thank our programs committee chairs, Dick Mayer and Bill Bezdek for coordinating all of these chapter events for us. The committee leadership team is working hard to meet the needs and interests of our current members. Our recent meetings have included presentations from Eric Honour, an original founding father of INCOSE, as well as Dana Peterson, a long time, active INCOSE member from DRS. If you haven't joined us for a MGC lunch chapter meeting lately, you still have a chance. We have a couple more chapter meetings planned to close out this year. Check our website for more upcoming MGC programs and outreach events still to come in 2009.

(see *Presidents Corner ...* on page 3)

### Annual elections for the

### Midwest Gateway Chapter of INCOSE

by Bob Scheurer

The Midwest Gateway Chapter of the International Council on Systems Engineering (INCOSE) is pleased to invite nominations or self-nominations of candidates for the following four (4) seats on its Board of Directors for calendar year 2010:

#### **President-Elect: 1 yr. term (will be President in 2011 and Past President in 2012)**

The President-Elect shall assist the President and shall assume the duties of the President when the President is unable to perform these duties. The President-Elect shall succeed to the position of the President upon completion of his/her term of office or if the President vacates the office.

#### **Treasurer: 2 yr. term (2010 - 2011)**

The Treasurer shall be responsible for the financial affairs of the MIDWEST CHAPTER. The Treasurer shall receive all funds paid to the MIDWEST CHAPTER, shall pay of all bills incurred by the MIDWEST CHAPTER and approved by the Board and shall be responsible for investment of funds as authorized by the Board of Directors. The Treasurer shall prepare and submit a chapter budget for approval by the Board of Directors at the beginning of each fiscal year. The Treasurer shall make an annual report on the



financial affairs of the MIDWEST CHAPTER.

The Treasurer shall provide financial reports to the INCOSE central office as required.

#### **Director 1: 2 yr. term (2010 - 2011)**

#### **Director 2: 2 yr. term (2010 - 2011)**

To nominate one or more members for an available office, submit: 1) nominee name(s), 2) the office for which they are being nominated, and 3) your name as the nominator via return e-mail to Marcos Chu ( [marcos.d.chu@boeing.com](mailto:marcos.d.chu@boeing.com) ), by 6:00 p.m. on Friday, October 23, 2009. Following approval of the slate of candidates by the Board of Directors, a ballot will be produced for the election. Election results will be announced in late November.

Please join the Midwest Gateway Chapter of INCOSE in the professionally-rewarding quest of leading systems engineering professional development and growth in the St. Louis and surrounding area. For a list of our current officers, see <http://www.incose.org/mdwest/directors.htm> . For additional information on your Midwest Gateway Chapter of INCOSE, see <http://www.incose.org/mdwest> .

Thanks for your on-going support of INCOSE and the Midwest Gateway Chapter.

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## ***FIRST Robotics Documentary : Gearing Up***

by Marcos Chu

In 2007 we have started the year in great shape with our strong participation at the FIRST Robotics St. Louis Regional Competition. Although on 2008 year we have not sponsored teams like previous years due to issues in getting our yearly budget approved in time, we had an opportunity to have an INCOSE MG booth at the regional competition event. We also had Team 1706 that has been filmed by a PBS crew come speak at our March membership meeting in 2008. It is with great excitement to announce the documentary has been released :

<http://www.gearingupproject.org/>  
and it can be purchased for \$19.95.

Can you find the INCOSE Logo on a picture from  
<http://www.gearingupproject.org> ?

We hope in 2010 to re-engage on a service project with FIRST Robotics. If your are interested in been involved, contact INCOSE MG Past President Marcos Chu at:  
[marcos.chu@incose.org](mailto:marcos.chu@incose.org).



Dana Peterson, DRS, receives Midwest Gateway INCOSE Chapter Plaque from President, Brian Beyer, following this presentation to the chapter membership September 30th.

## ***Event: Systems Engineers present to freshman at St. Charles Community College***

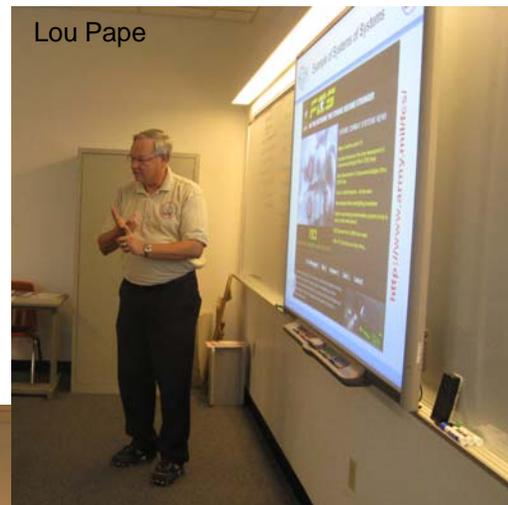
by Brian Beyer

Members from INCOSE Midwest Gateway (MG) chapter emphasized the importance of engineering in modern society at three sessions (September 9,10,11<sup>th</sup>) of Professor Dave Niermann's freshman engineering course this September at St. Louis Community College. Boeing engineers Lou Pape, Bill Gold, Mike Mobley, Dale Waldo, Brian Beyer, and Bill Siefert volunteered to teach the college courses as part of INCOSE's community outreach program. They discussed the importance of problem solving skills, the shortage

of engineers in the US to support future demand, and specific aspects of the systems engineering profession. The students appreciated the opportunity to speak with experienced engineers first hand about issues concerning them and their future. Brian Beyer, the current president of INCOSE's MG chapter stated "Our outreach program has been beneficial for all parties involved. The students get to hear about real experiences from systems engineers, and we get to speak with the future engineers of tomorrow."



Mike Mobley



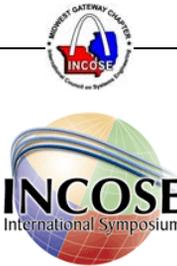
Lou Pape



Brian Beyer, Bill Gold

## Anniversary Party Coming Up

The International Council on Systems Engineering (INCOSE) will celebrate it's 20<sup>th</sup> anniversary next year. The 2010 Annual INCOSE International Symposium Planning Committee is anticipating a record turnout as INCOSE celebrates 20 years since the first event. Next years' symposium will be held in Chicago.



Want to learn more? Get Involved? Present a paper? How about view a promo video? You can find it all on the 2010 20th Anniversary INCOSE International Symposium web site at <http://www.incose.org/symp2010/>

## Get the Best Seat in the House - INCOSE Webinars

The International Council on Systems Engineering is proud to offer free web-based webinars to the greater Systems Engineering community.



Once a month, recognized experts in the field will present the "State of the Art" in Systems Engineering. These presentations will be conducted live, via the internet. Each will last for one hour, including opportunity for discussion and question. Oh, and if you can't make the scheduled time, you can view archived copies of the webinars at <http://www.incose.org/practice/webinars.aspx>.

on earning their engineering badge as part of their Webelos progress toward the Arrow of Light Rank. This event was focused on children of all ages from grade school thru High School... and even college. The volunteers all had a great time and had a lasting affect on influencing the kids to become engineers someday!

## Presidents Corner from Page 1

In an earlier newsletter this year, I introduced our team of committee leaders for this year. This group has done a great job in responding to the membership, providing numerous educational lunch programs, and keeping the chapter active in the community in 2009. As you have heard, nominations and elections of new officers is now in progress. Please consider running for president-elect, treasurer, or a director position in the MG chapter of INCOSE. Not only is it a great way to network with fellow systems engineers, it is also a fun way to learn some new skills and expand your knowledge base. If you have been a past officer or leader in our local chapter, then I thank you and appreciate your service. If not, come join the fun by requesting to be nominated to a leadership position. We invite you to help shape the future of Systems Engineering together. Please feel free to contact Bob Scheurer or myself and let us know where you'd like to get involved to make an impact.

## INCOSE Volunteers help host Engineering Career Day (ECD) by Brian Beyer

Several Members of the Midwest Gateway Chapter of INCOSE volunteered at the 2009 ECD event on Saturday, September 26th at the Science Center. Boeing employees Brian Beyer (INCOSE president), Dale Waldo, Lou Pape, Mike Mobley, Yoshiro Nakai, Dave Curry, and Bill Siefert as well as Dr. Dagli from MS&T worked the INCOSE booth to help promote science and engineering to the younger generation of future leaders. The event was open (free) to the public thanks to sponsorship by The Boeing Company.

ECD volunteers highlighted the importance of engineering in society as well as making engineering fun for the kids. Brian Beyer even invited the Cub Scouts down to the event to work



Dr. Dagli and Mike Mobley working the INCOSE Booth at ECD 2009



## Got an Idea?

Got an Idea? How to Contribute to this Newsletter. This Newsletter is published three to four times a year, with the goals of

- keeping chapter members informed
- providing technical articles of interest to chapter members
- stimulating discussion on systems engineering issues

The Newsletter staff is always looking for good articles, information on the technical issues Systems Engineers face on a daily basis, questions you'd like answered about the chapter or the International organization, and topics on which you'd like more information.

You can reach the newsletter editor Steve Recker at 314-545-6338. Contributions of articles or announcements, and letters to the editor can be sent to Steve at [steven.recker@incose.org](mailto:steven.recker@incose.org).

Articles in Microsoft formats are

preferred, but we can use text originating from most word processing formats. For graphics, we can work with, jpg, gif, png, and most other standard graphical file formats. If you have any questions about format, please call. Also, please include your name, e-mail and phone number in all correspondence.



## Unhelpful Hint of the Day

If a Flash drive is full and you need more storage space, remove the drive and shake vigorously for 2 minutes. This will pack the data enough (data compression) to allow for more storage.

*Note from editor: This technique does not work on page-limited proposals.*



## INCOSE MWG 2009 Board of Directors

### President:

Brian Beyer  
[brian.beyer@incose.org](mailto:brian.beyer@incose.org)

### President-Elect (Vice President):

Bob Scheurer  
[robert.scheurer@incose.org](mailto:robert.scheurer@incose.org)

### Secretary (09/10):

Bill Bezdek  
[william.bezdek@incose.org](mailto:william.bezdek@incose.org)

### Treasurer (08/09):

Bill Schoening  
[william.schoening@incose.org](mailto:william.schoening@incose.org)

### Directors (09/10):

Dick Mayer  
[richard.c.mayer@incose.org](mailto:richard.c.mayer@incose.org)

Mike Mobley  
[michael.mobley@incose.org](mailto:michael.mobley@incose.org)

### Directors (08/09):

Chris Johann  
[christopher.johann@incose.org](mailto:christopher.johann@incose.org)

Steve Recker  
[steven.recker@incose.org](mailto:steven.recker@incose.org)

### Past President:

Marcos Chu  
[marcos.chu@incose.org](mailto:marcos.chu@incose.org)