



Midwest Gateway Newsletter

International Council on Systems Engineering

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Chapter Election Results

The Midwest Gateway Chapter of the International Council on Systems Engineering is pleased to announce the following new members on its 2010 board of directors:

- President-Elect: Mike Franco
- Treasurer (10/11): Bill Schoening
- Director (10/11): Dale Waldo
- Director (10/11): John Headrick

Thanks to all who ran for an office and all who voted in this election.

A special word of appreciation to the outgoing members of the board:

- Past President: Marcos Chu

- Treasurer (08/09): Bill Schoening
- Director (08/09): Steve Recker
- Director (08/09): Chris Johann

Please join us in congratulating and thanking everyone for their willingness to serve on behalf of the Midwest Gateway Chapter membership.

Bob Scheurer,
Marcos Chu
Nominations and
Election Committee
Midwest Gateway
Chapter INCOSE



President's Corner

Mike Franco

President-Elect MGC INCOSE

I'm thrilled to serve as President-Elect of the MGC in 2010! Systems Engineering is a growing field with applications all around us. At the Midwest Gateway Chapter we've made great progress with our monthly meeting attendance as well as a few notable outreach activities.

In 2010, I'd like to make further efforts to engage our whole local membership so these events can be even more successful. I'd also like to see us sponsor or staff a small number of SE-related workshops throughout the year. Thank you all for being a great chapter.

Mike Franco
Systems Engineer
Affordability Analysis
Boeing Research & Technology

Chapter Planning Big for 2010

by Bob Scheurer

Despite lingering uncertainties in the economy and its effects on our membership, our local chapter and INCOSE at large expect to continue developing and delivering products and services for helping our membership advance in their careers – and hopefully even have a little fun along the way. These intentions are driven by our on-going mission to be a mainstay for improving the awareness and practice of systems engineering at large.

With the new year beginning and new board members in place, our local chapter is already planning a broad number of activities in 2010. I've developed a target list of activities and goals which, as your

new chapter president, I'm challenging our chapter to successfully complete over the next twelve months.

This "top ten" list is:

- 1) Develop and deliver at least one tutorial
- 2) Have at least two member papers accepted for the next symposium

(see **Chapter Planning...** on page 2)



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Chapter Planning

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- 3) Provide at least three special recognitions to members in the chapter
- 4) Publish at least four chapter newsletters
- 5) Conduct at least five outreach engagements with other societies, universities, schools, etc.
- 6) Have participation of at least six Midwest Gateway Chapter members in IS2010
- 7) Identify at least seven events where our chapter banner is exhibited (and photographed where possible).
- 8) Hold at least eight chapter general membership meetings/ presentations

- 9) Receive at least nine new members into our local chapter
- 10) Conduct at least ten Board of Directors meetings.

This list is large and somewhat challenging, but with a chapter as big and diverse (87 members strong at the time of this writing) as Midwest Gateway, I'm confident it can be accomplished. Lists aside, I believe that the underlying benefits from completing these objectives will lead to an even healthier, more astute, and more widely recognized professional society in the name of Midwest Gateway INCOSE.

Won't you join us in accomplishing this mission? We're looking forward to a great and rewarding year and



As a team, we can meet the challenge!

we hope you're planning on being a part of it. Please watch for upcoming announcements and opportunities for you to become even more involved. In the meantime, let me know if there is something in particular you'd like to either lead, present, or see our chapter accomplish in 2010. Send ideas and suggestions to: robert.p.scheurer@boeing.com or any of our board members listed our chapter web site at: <http://www.incose.org/mdwest>.

Event Review: Presentation by MoDOT Engineer on Reconstruction of I-64

by Steve Recker

On October 28, 2009, we had a presentation by a MoDOT Engineer on "The New I-64 Reconstruction Project" from a Systems Engineering perspective. Ron Morris, P.E., Missouri Department

of Transportation gave the presentation. Ron is the Deputy Director of the New I-64 project. He has been with the Missouri Department of Transportation for nearly 25 years and has spent most

of his career in construction and operations. He has held the positions of Construction Inspector, Resident Engineer, Operations Engineer and Technical Support Engineer. Ron has a bachelor's degree in civil engineering from the University of Missouri at Rolla and is a Missouri registered professional engineer.

The presentation covered the needs assessment that led to the project, its goals, the risk assessment, the procurement process, the scope, the management process, quality assessment, and various aspects of operations during the project.

For more info, Ron's presentation is available on our [MWG Events page](#)



"Never tell people how to do things. Tell them what to do and they will surprise you with their ingenuity."

General George S. Patton



Using Systems Engineering in Learning Communities

Ever wonder what approach you could take to influence future generations to think like systems engineers?



One of the INCOSE Midwest Gateway Chapter's members, Marcos Chu has been doing just that! Come join us January 13th next year at our January meeting and hear for yourself some of the things he has been doing.

Marcos' presentation will cover how engineering development and learning are about the development of K-16 pre-engineering learning communities thru mentoring, where there is an interrelationship between companies, professional organizations and higher learning institutions. He will cover how trade studies were done for the development of Spiral 1 Robot, INCOSE MG support for student teams that used the trade study process, and a brief overview of Spiral 5 robot.

Information about time and location as well as Marcos' short bio is on the [flier](#) for this event. Come join us, won't you?

Midwest Gateway Chapter Gearing Up

The Premier of "Gearing Up," a one-hour video/movie documentary of the 2008 FIRST Robotics competition was held at the St Charles Convention Center November 2nd of this year.

The documentary tracked four FIRST Robotics teams and their



Display similar to the one provided at the Premier of "Gearing Up,"

dramatic journeys of victory and defeat as they designed, built, tested and finally competed in their FIRST Robotics regional events.

Midwest Gateway Chapter of INCOSE set up a table at the premier of the event displaying artifacts of potential interest to future systems engineers. In addition, INCOSE items were given away (bookmarks, pens, etc.). Participating in these types of events is an easy way and a great opportunity for our members to get involved and "give back" to our community. Do you want to join the fun? Contact our Events coordinator Mike Mobley at michael.mobley@incose.org

20th Anniversary INCOSE International Symposium 2010

The International Council on Systems Engineering (INCOSE) will celebrate it's 20th 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/>

Join the INCOSE International Workshop

INCOSE's International Workshop is the event of the year for systems engineers to contribute to the state of the art. Unlike INCOSE's annual International Symposium and other conferences, there are no paper, panel or tutorial presentations. Instead, attendees spend 4 days working alongside fellow systems engineers who are there to make a difference.

When? Saturday, 6 February – Tuesday, 9 February in Mesa AZ.

Want to learn more? Visit: <http://www.incose.org/newsevents/workshop/index.aspx>

INCOSE MWG 2009 Board of Directors

President:

Brian Beyer
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President-Elect (Vice President):

Bob Scheurer
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Secretary (09/10):

Bill Bezdek
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Treasurer (08/09):

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Directors (09/10):

Dick Mayer
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Mike Mobley
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Directors (08/09):

Chris Johann
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Steve Recker
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Past President:

Marcos Chu
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