

September 2017

INCOSE Midwest Gateway

www.incose.org/mdwest



President's Message

Members,

On behalf of the board, we are all looking forward to gathering for our next meeting in a few weeks. We hope you'll take this opportunity to meet our guest speaker, Christopher Alain Jones from Dassault Systèmes, and reconnect with your colleagues from the Chapter. We also have some great events coming up including a Happy Hour & Speed Mentoring, a Systems Engineering Professional (SEP) Preparation Workshop, and a Free SEP Exam opportunity for members. The end of the year is shaping up to be a busy time for the Chapter and we can't wait to see everyone.

—Jake Hertenstein, CSEP

Guest Speaker, 4 October: Christopher Alain Jones, Dassault Systèmes

Midwest Gateway Chapter (MGC) Board of Directors are pleased to announce Mr. Christopher Alain Jones of Dassault Systèmes.

- **Topic:** Integration of Model Based System Design with Modelica into Systems Engineering Processes
- **Who:** Christopher Alain Jones, Solutions Consultant, Dassault Systems
- **When:** Wednesday, 4 October 2017, 10:30AM to 12PM
- **Where:** Boeing building 305E, conf. room 153 (NW corner of Lindbergh and McDonnell)
- **How:** Contact Mike Franco (mike.franco@boeing.com) to RSVP. Non-Boeing employees must contact Mike by 2 Oct and he will provide a visitor badge.
- **Cost:** INCOSE Midwest Gateway Chapter Members free, Non-members \$5.
- **For more information:** [see the event on our website](#)

Upcoming Events

27 September

MGC Kickoff SEP Preparation Workshop

Boeing bldg. 270, room
[More info...](#)

4 October

Guest Speaker: Christopher Alain Jones

Boeing bldg 305, rm 153
[More info...](#)

19 October

Speed Mentoring

Dave & Buster's, Md Heights
[More info...](#)

Membership Info

Is your membership info up to date? Email, work info, location? Time to renew? Login to your INCOSE account at incose.org/login, then update your profile at incose.ps.membersuite.com.

Speed Mentoring/Happy Hour Program

On 19 October, the chapter will host our first Midwest Gateway INCOSE Speed Mentoring/Happy Hour event. It's an opportunity to network and meet fellow members. It's simple. For example:

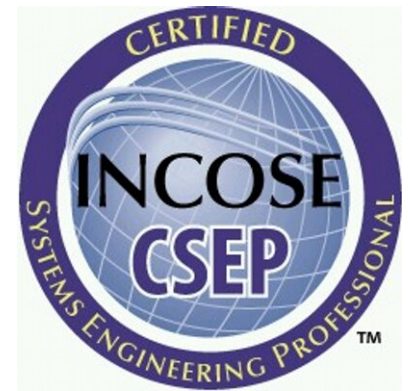
- Hello – My name is
- Would be happy to share my knowledge of:
- Would like to know more about:

Whether you are a Mentor or Mentee or both, this promises to be an exciting event. Pair up and discuss Systems Engineering for a few minutes. When the bell rings switch to a new person.

We are looking for volunteer to help facilities/chair this event. If interested in attending or leading, please email midwest-bod@incose.org.

Thanks to Lou Pape's daughter, Deana, for sharing this idea.

- **What:** Midwest Gateway INCOSE Chapter Speed Mentoring/Happy Hour
- **When:** Thursday, 19 October 2017 from 5:30PM to 6:30PM Central time.
- **Where:** Dave & Buster's Bar & Grill (13857 Riverport Drive, Maryland Heights, MO 63043)
- **Why:** Improve Knowledge and Networking Opportunity
- **Who:** INCOSE members and non-members
- **How:**
 - Contact Midwest Gateway BoD via email (midwest-bod@incose.org) and denote in subject line Speed Mentoring/Happy Hour
 - Register in advance to allow planning for table reservation.
- **Cost:** at your discretion to purchase food or drinks
- **For more information:** [see the event on our website](#)



Chapter Survey

This month, we want to know what you think about possible chapter events: [link to survey](#).

Recent Jobs

Jobs recently posted to the [chapter LinkedIn group](#):

Boeing: JDAM Systems Engineer – Integration Level 3

[Link](#) for more information

If your company is posting a systems engineering position, or if you're looking for one, please contact Kirk at kirk@longrunsystems.com and we'll use our chapter resources (each other) to help you find what you're looking for.

New and Returning Members

We are pleased to announce the following new members. Please be sure to introduce yourself to them at our next Midwest Gateway Chapter event!

- Nicholas Dimick
- Kathryn Enderby (Oshkosh Defense)
- Peter Loring
- Mary Malast (Washington University in Saint Louis)
- Randy Pitz (Boeing)

Our Membership Retention team is pleased to announce the following members. What makes our chapter great are the experiences and diversity of our membership.

- Michael Araiza (DRS Technologies, Inc.)
- Edward Austin (Orbital ATK)
- David Curry
- Cihan Dagli (Missouri University of Science & Technology)
- Jon Faver (Boeing)
- Ian Halley (Boeing)
- Kirk Kittell (Boeing)
- Harvey Leeds (DRS Technologies, Inc.)
- Suzanna Long (Missouri University of Science and Technology)
- Michael Mobley (Boeing)
- Louis Pape (Boeing)
- Robert Scheurer (Boeing)
- Robert Simons (Boeing)
- John Thompson (Boeing)
- Al Vigland (IBM)

—John Thompson, Membership Chairperson

john.p.thompson3@boeing.com

Member Referral Incentive Program

Remember, recruiting new members is everyone's responsibility. If you have someone you think would be a good member, let us know. Our new member referral incentive program is still active and available. You may receive two (2) free movie tickets for each new member joining Midwest Gateway INCOSE chapter during 2017. To qualify for tickets, you must complete the following actions prior to the new member joining the Midwest Gateway INCOSE Chapter:

Send an email with the nominee's name and email address to: john.p.thompson3@boeing.com and midwest-bod@incose.org. After new membership is confirmed, you will be contacted about movie theatre preference (AMC, Wehrenberg) and mailing address to mail tickets.

The nomination must be received prior to the member joining the chapter. If two members nominate the same person, the first email received will receive credit for movie tickets. The nominee must join the Midwest Gateway INCOSE Chapter in calendar year 2017.

There is a fee to join INCOSE; see incose.org/about/membership. When registering, the new member must select and join the Midwest Gateway INCOSE chapter.

Certified Systems Engineering Professional (SEP) Preparation Workshop

In support of passing the SEP exam, the Midwest Gateway INCOSE chapter will virtually host review of the Systems Engineering Handbook, which is primary source for exam questions. The first workshop will be held at 5pm on Wednesday 27 September . We will start by reviewing the Systems Engineering Handbook. While not a guarantee, it is anticipated participants will perform better on the exam. If interested, please send email to below addressees to be sure an exam is available.

- Emails must be sent to following two email addresses: louis.e.pape-ii@boeing.com, midwest-bod@incose.org.
- In email subject line please denote "Midwest Gateway INCOSE – SEP Preparation Workshop".

There are currently about 20 CSEPs and 7 ASEPs registered in the Gateway chapter. If you are a CSEP or ASEP and would like to lead a session in your specialty area, please let us know.

Helping train new systems engineers, and leveraging already certified people, is part of our chapter outreach effort. This would also help form professional networks within our chapter area. The effort will commence on 27 September, and take about three (3) months with an hour a week discussion, or quicker if we doubled up per week.

The chapter has several folks interested in offering the preparation workshops to our members. We would welcome companies or individuals in our region who would be interested in helping in this effort, either with briefers, preparation of materials, facilities, or networking services. We would be interested in joining forces, helping with recruitment, and publicizing your support.

Contact chairperson for this effort, Lou Pape, 314 233-5782, louis.e.pape-ii@boeing.com if you are interested in: attending workshops like this, helping with developing & presenting the materials, or organizing facilities.

For more information, including web conference info, please see the [event listing](#) on our website.

Free Certified Systems Engineering Professional Exam for members

Great news: chapter members may take the [Systems Engineering Professional Certification](#) exam free of charge. We are coordinating with INCOSE to have a proctor in St. Louis in December 2017. If interested, please email to midwest-bod@incose.org to be sure a paper exam is available for you. More detail forthcoming. In email subject line please denote "INCOSE Midwest Gateway – SEP Free exam".

If you pass the paper exam, you can then use exam results to apply for ASEP or CSEP Certification. You would still need to submit application fees and documentation. ESEP is not based on the knowledge exam, so there is no benefit for ESEP Candidates to participate in free exam.

Three certification levels are available through INCOSE:

Associate Systems Engineering Professional (ASEP)—Applicants are required to successfully complete a knowledge examination.

Certified Systems Engineering Professional (CSEP)—requires a minimum of 5 years of practical SE experience, a technical degree (additional years of SE experience can be used in lieu of a technical degree), three professional references covering the candidate’s cumulative years of experience, and successful completion of a knowledge examination.

Expert Systems Engineering Professional (ESEP)— requires a minimum of 25 years of practical SE experience, a minimum of 5 years of professional leadership credits, a technical degree (additional years of experience can be used in lieu of a technical degree), and three professional references covering at least the most recent 10 years of experience. The ESEP award is based on panel review and approval.

Communications – Satellite/Remote Locations

Any suggestions for meeting locations? Ideally, we would have several satellite or remote locations to allow members opportunity for face to face meeting with a virtual group attendance. For example, satellite at your company (Boeing, and/or at locality (West County, South County, St. Charles County, Mid County, Illinois).

We are looking for individuals to be remote or satellite location focals.

Opportunities for Members

We are looking for members to discuss topics from latest issues of Insight, SE Journal, webinars or other SE topics. Format could be provide overview of an article or event. Inclusion in future newsletter and/or chapter meeting.

- Do you have suggestions for locations for Speed Mentoring/Happy Hour and/or Speaker locations?
- Volunteers needed to help plan holiday party.
- Volunteers needed to help engage small and/or start-up businesses
- Chairperson to coordinate and lead the Speed Mentoring/Happy Hour monthly meetings
- Chairperson to coordinate and lead the satellite/remote meetings

INCOSE Election – President Elect Candidates

Two candidates have notified Midwest Gateway Chapter of their interest in becoming the next president of the global INCOSE organization: Paul Schreinemakers and Kerry Lunney. Please have a look below to learn more, and be sure to vote when you get the email from INCOSE.

Kerry Lunney



Well it is that time of the year where INCOSE goes to the ballot to vote on a number of its key Board positions. This year it includes the President-Elect role which I have the honour of being nominated. As such, I would like to thank everyone for this nomination and the faith you have that I can lead INCOSE. It is both humbling and exhilarating to be considered.

INCOSE's has identified the values and principles on which our vision of "A better world through a systems approach" is built upon. Likewise, over 27 years we have invested in meaningful products and programs, such as in texts like Vision 2025, SeBOK, and Integrating Program Management with Systems Engineering; similarly in programs such as GRCSE and the SE Certification, to name a few. These initiatives we must continue to support with professional focus, energy and passion to grow and expand globally, whether this is by increasing the number of members, Chapters and/or Corporate Advisory Board (CAB) organisations, or by expanding into new industries, domains and/or technical advancements, or simply reaching out to others who may or may not be aware of their need for a systems approach. None of these are mutually exclusive and all are of equal importance.

Building on these foundations, I have listed below a snapshot of my ideas to advance INCOSE. (My full detailed vision paper will be circulated by INCOSE in late September 2017.) I will -

- Strive to advance INCOSE in "all things systems", taking Vision 2025 to 2025++;
- Endeavour to prioritise and provide more support to activities in the technical operations arena in order to produce meaningful artefacts;
- Strengthen the link between Chapters, Working Groups and Outreach;
- Continue to "open up" our terminology to communicate across industries and domains;
- Look into different avenues for participation, targeting younger demographics;
- Seek additional paid professional support where appropriate, for timely outcomes;
- Continue to review and refine budgets, particularly to seed opportunities;
- Open new communication channels for members to access key Board members.

If we are to achieve any of these it is important to recognize and foster qualities of the individual and collectively, of our members and which I believe I demonstrate. These qualities are -

- Inform – spread the knowledge and applications of "all things systems";
- Nurture – through education, training, mentoring, coaching, from entry to expert levels;
- Collaborate – work as a team to increase our success and break down barriers;
- Orient – pursue our goals and objectives with fairness, respect and honesty;
- Sell – and sell, sell, sell; whether it's an idea, or INCOSE itself, or even for raising revenue;
- Excel – in all our undertakings, striving to do our best to achieve our goals.

Together, think of what INCOSE can be with the marriage of such qualities supporting the vision! And I would love for you to give me the opportunity as President-Elect.

On that note, please do vote in November as every vote counts!

All the best,

Kerry Lunney,

FEngAus, CPEng, Eng Exec, MIEEE, MINCOSE, ESEP
INCOSE Director Asia-Oceania
INCOSE President-Elect Nominee 2017

Paul Schreinemakers



I'm Paul Schreinemakers and during the election in November 2017 am running for INCOSE President-Elect. I wanted to contact you personally to present a pre-version of my vision statement. I would appreciate your feedback on this vision and want to also ask you to consider giving me your vote in November and your support within your organisation and Chapter.

I am passionate about INCOSE, systems engineering, and my engineering leadership roles in INCOSE as well as on behalf of my customers. If elected, I am committed to work as part of the INCOSE leadership team, giving all my best, in order to progress our organisation.

Please let me share my view on the future of INCOSE. I see three key areas of focus that we need to address to move INCOSE forward, and meet future challenges. These areas are focussed around the themes: Our Members, Our Impact, Our Flexibility and Adoptability.

Our Members

INCOSE is a successful and growing organisation. Success comes from the enormous range of Working Groups, CAB and the chapters that represent distinctive communities. Whether individual members, corporate members, or academic members, they bring much energy and enthusiasm and form the bedrock of our organisation.

I am committed to continuously listen to you, using your needs as the basis for plans that the Board of Directors formulates and rapidly implements. I want to make sure that INCOSE's focus and direction connect with the local Chapter's needs. I have experience with transforming the needs of our stakeholders into actions for change within INCOSE. For example, based on comments from members I led the effort to re-architecture the structure of Technical Operations.

Our Impact

Over the years, the Working Groups of Technical Operations and of Chapters have generated many excellent products. At this point in time we are recognized as the authority for Systems Engineering. However, we are still confronted with policy makers that have never heard about us and the value we can bring.

I'm committed to reach-out to the policy makers to grow awareness about the benefits of our discipline and to attract these policy makers in our community. I wish to achieve this by setting up policy-makers specific events under the umbrella of INCOSE or by attending events at which these policy makers share and discuss their views.

I believe that INCOSE must speedup the implementation of the Vision 2025 and widen its horizon. As an example, I led a 2016 effort by the Netherlands Chapter to project the Vision 2025 on the country's specific Systems Engineering needs and to widen it's horizon to 2035 where possible.

Our Flexibility and Adaptability

The world around us is changing and is confronted with ever more challenging and complex system problems like the digital evolution. I believe we will need to continuously evaluate and adjust our course of action to remain the world authority in Systems Engineering, while expanding our collaboration with others like IEEE, PMI and IET. Leveraging our diversity and global footprint will enable us to become a more effective organisation.

I'm confident that my long-term experience in INCOSE, while serving as Chapter President, Associate Director for Events, and (Deputy) Technical Director, being a member of the Board of Directors and by having worked in multiple domains for both industry and government has provided me insight from multiple perspectives regarding the drivers of our organisation and the changes needed to keep INCOSE and our discipline relevant. If elected, these insights will help to equip me to serve in this demanding role.

Thank you for taking the time to read this message and thank you for taking the leadership role in your Chapter. As the former Chapter President I know how much effort you are donating to our organisation. Your feedback to my preliminary vision statement will be very appreciated. If you have any questions or want to pass any comments or suggestions, please feel free to contact me via email, phone, or during the election webinar on October 26th.

Regards,

Paul

Ps. Please see my LinkedIn profile for detailed information about my work history.

2017 Board of Directors

President: Jake Hertenstein

President elect: John Thompson

Past president: Lou Pape

Treasurer: Bob Scheurer

Secretary: Kirk Kittell

Director: Ross Blanton

Director: Mike Franco

Director: Robert Olshan

Director: Cindi Walker