INCOSE - NORTH TEXAS CHAPTER

Newsletter

INCOSE North Texas Chapter is here to serve the North Texas Community and surrounding areas, including parts of Oklahoma. Whether you live here or just like the chapter, all are welcome to join us.

Chapter News

February 2025

Welcome to Conference Season! Here is what is happening with the North Texas INCOSE Chapter...

IW2025 was a successful event with over 650 participants in person in Seville, Spain and virtually around the world! If you were able to attend share some pictures.

The officers attended virtually for some training on how to improve the chapter and resources that are in work for helping get more out of INCOSE. Stay tuned as things come to being.

The officers were able to attend some of the working groups that they participate in. Preparations are well underway in many working groups for transitions of tools. Especially as SysML is preparing to transition to v2.

If you are interested in joining a working group and need help let us know.

Joint Event with SAE - Frontiers of Flight Museum

SAE Texas Section has invite INCOSE North Texas to touring the Frontiers of Flight Museum in Dallas, Texas next to Love Field Airport.

Frontiers of Flight Museum - 6911 Lemmon Ave, Dallas, TX 75209

Saturday, February 22nd, 1 pm

Tours of the museum are self-guided. We will be meeting at the entrance at 1 pm. Anyone there with SAE /

INCOSE will have their entry to the museum paid for. Please be on time so we can pay for everyone at once. Once you are in you are free to roam around and tour the museum. There will not be any SAE or INCOSE meeting or presentation. We just want to get SAE and INCOSE NTX members and non-members in for free that are on our mailing list.

This event is <u>FREE</u> for all SAE and INCOSE NTX members, non-members, children and guests.

Check out the video on their website to see some of the museum. [About – Frontiers of Flight Museum](#)

For questions you can contact Tim Patek at Timothy.Patek@gmail.com or the NTX board at ntxinfo@incose.net

INCOSE North Texas Chapter sponsoring MBSE Cyber Systems Symposium 2025

April 7-10, 2025 in Reno, NV.

> In partnership with Dassault, North Texas INCOSE has been asked to continue our support of the conference in the new location.

> INCOSE NTX will have a booth and proctor a paper exam at the conference.

> You must be signed up for the conference to take this exam.

> There is a special discount code to the conference for being a NTX chapter member - if you are new to the chapter, send us an email and we'll get the code to you.

> Main Website: https://mbsecyberexperience.3ds.com/mcss2025/

MCSS 2025 - MBSE Cyber Systems Symposium

MBSE/SysML, PLM, PLE,...

mbsecyberexperience.3ds.com

Want to help out the chapter?

Earn some volunteer hours or SEP PDUs - Help is needed to create update SEP exam training material based off SE Handbook v5. If interested in helping, reach out to Long Dong at long.s.dong@lmco.com.

If you like to write and would like to submit articles to the INCOSE newsletter, we would love to hear from you! Contact us at ntxinfo@incose.net and let's get the articles started.

Presenting at a conference this year? Let us know

Email ntxinfo@incose.net with where you are presenting and what your topic is. If you are passionate about it, let us know if you would like to present it at a chapter meeting.

Join Us for this months Chapter Meeting!

Chapter Meeting Feb 11, 2025 5:30-7pm CST

Join us online: INCOSE NORTH TEXAS CHAPTER MEETING

This Month's Presentation

PRESENTER: Sean Densford and Javier Villafane

TITLE: Strategies and Best Practices for Managing Complex System Architectures

ABSTRACT: As the paradigm shifts towards the adoption of Model-Based Systems Engineering (MBSE), the Change and Configuration Management of digital models and handling of complex digital project model architectures emerges as critical area of focus as traditional document-based methods fall short in addressing the unique demands of digital model management. While change and configuration management is a widely recognized procedure in conventional document-based systems engineering, its implementation in digital models is comparatively less established. New capabilities and tools that simplify the management of digital models have been provided with the implementation of MBSE. The increased capacity of these skills makes digital processes and procedures more suitable for management than their traditional counterparts.

Currently, the industry is saturated with many approaches for managing digital models coming from a traditional document-based perspective. Many questions emerge when none of the approaches are suitable for the project model architecture and leading to a perceived gap in capability that prevents MBSE adoption. The goal of this presentation is to demystify complexities surrounding digital model management, communicate considerations for management of digital models, and propose model architecture patterns that support the effective handling of models throughout their lifecycle.

Next Month's Presentation

Join us in March for our next speaker: Saulius Pavalkis

Topic: Digital Engineering and MBSE with Virtual Twins: Streamlining Robotic Arm Design and Deployment

Abstract: Join us for the presentation of the best-in-class Digital Engineering (DE) with MBSE and Virtual Twin example in context of portable Robotic Arm. This example shows the practical impact of systems engineering across the entire product lifecycle. We will engage in fully integrated system - the Robotic Arm. We will experience the intersection of engineering disciplines: systems engineering, electrical and mechanical design, manufacturing, implementation, and verification & validation (V&V). This is done through the digital thread and co-simulation using solutions as CATIA Magic (Cameo), 3DEXPERIENCE platform, 3RD party integrations leveraging open standard including SysML, Modelica, IoT – MQTT, FMI, and AI.

We will provide clear models, a virtual environment for the digital thread, and physical hardware to bridge the virtual with the real. It is a compact modular sample highlighting a major paradigm in digital engineering education and industry. The project includes a highly portable robotic arm. It comes in a small box and is affordable at $65 on Amazon.

Meeting Mar 11, 2025, 5:30-7:00pm

- CHECK US OUT ON LINKEDIN! Join the INCOSE- North Texas Regional Chapter LinkedIn Group. Stay up to date on chapter events, opportunities and the Systems Engineering world.

- Potential NTX Chapter member presenters

Chapter members, we are looking for interested individuals to speak to the NTX chapter in 2024. If you are interested, please email us at ntxinfo@incose.net to express your interest and we will provide you all available dates (no worries, you will have ample time to prepare). This opportunity can get you PDU points toward your INCOSE certification and help the NTX Chapter achieve Platinum Circle status!

WELCOME NEW MEMBERS

Family Name	First Name	Company
Acheampong	Brian	University of Maryland Global Campus
Agnel	Aaksheta	
Ardemagni	Alex	
Betz	Joshua	Raytheon
Emerson	Timothy	The Boeing Company
Jones	Mallory	MITRE Corporation, The
Kulesza	Erik	
Madhok	Pulkit	Weir
Pilcher	Christopher	Raytheon
Pilicita	Marianita	
Ryan	Connor	
Sadler	Trevor	
Sparlin	Luke	Boeing Company, The
Spaulding	Gregory	ERAU
Trexler	Elizabeth	Sierra Nevada Corporation

INCOSE Membership Autorenewal

NTX Team, there is a great opportunity to auto-Renew your INCOSE membership. If you are interested, navigate to the INCOSE.org page in the Profile Home section, select in the Membership tab, below my membership the is a link that will lead you to your billing information to make a the selection to auto renew your membership.

If you would like to become a member or need to renew your membership, visit the [INCOSE membership page](http://www.incose.org/about/Membership) (http://www.incose.org/about/Membership). After becoming a member, watch for new member emails and join the monthly new member café's.

Congratulations to the newest SEPs in North Texas

Brian W. Acheampong, ASEP

Pulkit Madhok, ASEP

Luke S. Sparlin, ASEP

Paul Klisiewicz, CSEP

- Let us know if you've been certified at ntxinfo@incose.net

Shout out to your community work in North Texas

- Shout to Gerry Ourada and Chris McCauley for judging the Future City event! What a great way to give back to the community and get kids interested in engineering!

    This event inspires young students about engineering by challenging them to solve the real-world problems associated with building a livable city of the future. Through a series of fun, hands-on applications, student teams will apply the principles of every branch of engineering to address their future cities' issues. This year's theme is "Floating Cities." More than 30 schools are working hard on their city concepts and their solutions to the climate change challenge.

- Let us know what you are up to - send your community involvement to ntxinfo@incose.net

If you have published an article or plan to give a presentation, we encourage you to share the news. Send a summary of it to Danyel at ntxinfo@incose.net and we will include it in the newsletter.

Upcoming Events

INCOSE Events:

Feb 11, 2025 - INCOSE North Texas Meeting: Sean Densford and Javier Villafane

Mar 11, 2025 - INCOSE North Texas Meeting: Saulius Pavalkis

IS 2025 - July 26-31, 2025

Chapter Events:

April 7-10, 2025 - MBSE Cyber Systems Symposium

Let us know of anything coming up by sending a note to ntxinfo@incose.net

Ambassadors

If you would like to promote the chapter and host meetings at your facility, contact Seth Sherman at ntxinfo@incose.net to volunteer as an Ambassador and you will be provided with orientation material.

POCs and Locations are:

- Monique Jobe, CAE - Arlington
- Wesley Simon, Lockheed Martin MFC – Grand Prairie
- Justin C' de Baca, Lockheed Martin - Fort Worth
- Geordan Koenigs, Raytheon - McKinney
- Leejo George, Collins - Richardson
- Sean Densford, Dassault

Don't see your facility on the list? If you would like to host a meeting, let us know at ntxinfo@incose.net.

Chapter Resources

- **PDU Information:** INCOSE Systems Engineering Professionals (SEPs) should be tracking their professional development activities throughout their certification period. They should keep a log of these activities and additional supporting information in case they are audited. Upon completion of certification or renewal, SEPs should download the latest forms to assist with their next renewal activity.

More information available at: Renewing Certification (incose.org)

- **2035 System Engineering Vision available (free resource!)**

This Vision was sponsored by INCOSE and produced by a team of leaders from the systems community, with inputs from across industry, academia, and government. The Systems Engineering Vision 2035

addresses:

- The Global Context for Systems Engineering
- The Current State of Systems Engineering
- The Future State of Systems Engineering
- Realizing the Vision

Available at https://www.incose.org/about-systems-engineering/se-vision-2035

- **The NTX Chapter Yammer site**. - Now called Viva Engage!

Use your member's Incose.buzz email address to access the site. Yammer can be used to have announcements, discussions, ask questions, and conduct basic polls. We welcome you to join us in any of the discussions there. https://www.yammer.com/incose2.onmicrosoft.com/#/threads/inGroup?type=in_group&feedId=62479065088&view=all. A few of you have incose.net accounts while the majority of our members received incose.buzz accounts. Check your email for the invitation to Yammer with your user name and password. People with incose.net accounts should log into office 365 and then go to Yammer. People with incose.buzz accounts should go straight to Yammer.

  - **(Volunteers Needed)** Let us know if you are interested in becoming a NTX Yammer contributor to help promote Yammer by interaction though comments or briefing on INCOSE products. Other items of interest we would like to include are recaps of chapter meetings and op-eds on your experiences with INCOSE. If interested, please contact the Board at ntxinfo@incose.net.

- **Systems Engineering Tools Database (SETDB):**

In collaboration with Project Performance International (PPI), the INCOSE SETDB WG provides the Systems Engineering Tools Database (SETDB) for INCOSE and PPI members and stakeholders to assist with systems engineering tool searching and information collection.

The SETDB Working Group products are available on the SETDB YAMMER site and are available for all INCOSE members. They are not official INCOSE products, they are INCOSE Working Group products.

The SETDB Public Website is available at this link and a link to the SETDB is available on this web page

A SETDB link is also available on the INCOSE Website Landing page, and you can reach it directly at: www.systemsengineeringtools.com

- **INCOSE SEP Certification & Exam info videos!**

INCOSE has posted a series of one minute long videos on their YouTube Channel:

- **Intro to certification**: https://www.incose.org/systems-engineering-certification/
- **Computer Exam Step 1** – schedule the exam: https://youtu.be/9_mivBiwkPo
- **Computer Exam Step 2** -https://youtu.be/L1myzH9vEEk
- **Computer Exam Step 3** - https://youtu.be/0TRmwz-bALs

Board Meeting Minutes

Attendees:

> President – Seth Sherman (Present)
>
> President-Elect – Reza Rahdar (Present)
>
> Vice President of Chapter Development – Reza Rahdar (Present)
>
> Vice President of Technical Development – Jennifer Key (Present)
>
> Treasurer – Michelle Maddox (Present)
>
> Director of Information – Danyel Fiet (Not-Present)
>
> Past President – Dawn Handley (Present)
>
> Director at Large – Sarena Gazic (Present)
>
> Director at Large – Jerome Forbes (Present)
>
> Ambassador – Justin C' de Baca (Present)
>
> Ambassador – Leejo (Not-Present)
>
> Ambassador – Monique Jobe (Not-Present)

Minutes from the 4 Feb 2025 Board Meeting:

Board Meeting:

- Review officer training that needs to be completed
- Discussed updates to chapter documents in SharePoint
- Review the annual plan high level and remind the board to sign off on it
- SEP Prep Course Planning
- Discussed tutorials to offer this year
- no votes taken

Feel free to forward this email to others.

If you would like to unsubscribe from these emails, log into your INCOSE account and update your profile settings to opt out of emails and let us know by emailing us to ntxinfo@incose.net.

If you had this email forwarded to you and would like to become a member of the Chapter, log into your INCOSE account and update your profile to add the North Texas Chapter. If you are already a member of the chapter and did not receive the email directly, you may need to update your profile to opt in to emails.

If you aren't a member and want to be added to our email list contact us at ntxinfo@incose.net.

Warm Regards,

President – Seth Sherman

President-Elect – Reza Rahdar

Vice President of Chapter Development – Reza Rahdar

Vice President of Technical Development – Jennifer Key

Treasurer – Michelle Maddox

Director of Information – Danyel Fiet

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