# INCOSE
## CHICAGOLAND

Monthly Chapter Meeting

Please Mute your mics.

February 16, 2023 6:30PM CT

# Agenda

- **6:30 – 7:00 PM CT** – Welcome and Announcements
- **7:00 – 8:15 PM CT** – Guest Speaker

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# NEW SCHAUMBURG MEETING LOCATION

**1501 Woodfield Rd Suite 300N, Schaumburg, IL 60173**

Actalent

People to Possible

**Actalent is an operating company of Allegis Group, the global leader in talent solutions.**

www.ActalentServices.com

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# Actalent at a Glance

**4,500+**
Clients Supported

**1,100+**
Dedicated Recruiters

**27,500+**
Consultants Engaged

**2.5 Billion**
In Revenue

**150+**
Offices

- AND -

**20**
Delivery Centers Across North America, EMEA, APAC and India

actalentservices.com

## Capabilities

### Sciences

Healthcare +

Clinical Research +

Laboratory Sciences +

### Engineering

Power & Utilities +

Software & Systems +

Product & Manufacturing +

Construction Management +

Environmental, Architecture & Civil +

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# Actalent Solutions

## Workforce Solutions and Services that Make an Impact

### Contract Talent

Gain access to the right expertise with an Actalent Contract Talent solution. Whether you're looking for a partner to contribute to a critical project, support a business expansion or you lack a certain capability in-house, we help you get the work done. We keep our consultants engaged and offer continuous learning opportunities to hone their skills, so they are ready for the next big assignment.

### Engineering & Sciences Services

Transformation is constant and fueled by experts passionate about change. Actalent provides comprehensive Engineering, Laboratory, and Clinical Services to help advance the future. When you require specific technical or scientific expertise or an operational end-to-end solution, our people answer the call. Flexible delivery models ensure you have the support where and when you need it to achieve your goals.

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# Get to Know Your Fellow Chicagoland SEs

Please participate in a short poll

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# INCOSE:
# A Better World Through a Systems Approach

*The global professional association for systems engineers*

**International Council on Systems Engineering**

*A better world through a systems approach*

www.incose.org

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# Vision and Mission

**VISION:** A better world through a systems approach

**MISSION:** To address complex societal and technical challenges by enabling, promoting, and advancing Systems Engineering and systems approaches

**OBJECTIVE:** Global leader for systems engineering professionals for career development

**FUTURE:** Lead the future of systems engineering, academically, in emerging domains, and in practice

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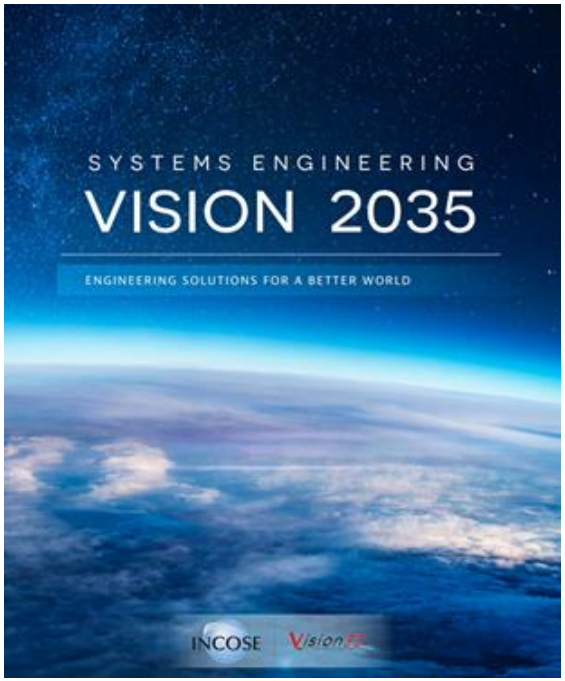
# Systems Engineering Vision 2035




incose.org/sevision

INCOSE-sponsored SE Vision 2035

- produced by leaders from systems community
- inputs from across industry, academia, and government

SE Vision 2035 addresses

- Global Context for SE
- Current State of SE
- Future State of SE
- Realizing the Vision

*Please work with INCOSE to help realize this vision.*

Complete SE Vision 2035 available as website and pdf [www.incose.org/sevision](www.incose.org/sevision).

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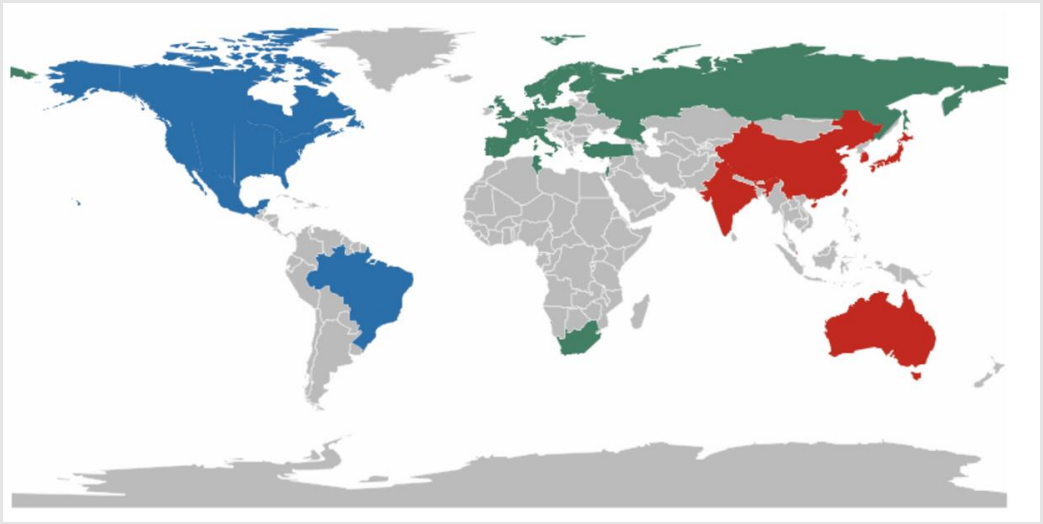
# INCOSE:
# The International Council on Systems Engineering



- Connect systems engineers professionals
- Educational tools
- Resources they need
- Networking events
- Virtual platforms
- Handbooks and publications
- Career development
- Advancement through products and services
- Developing global community
- Problem solving through systems approaches
- Forward thinking
- State-of-the art
- Certification

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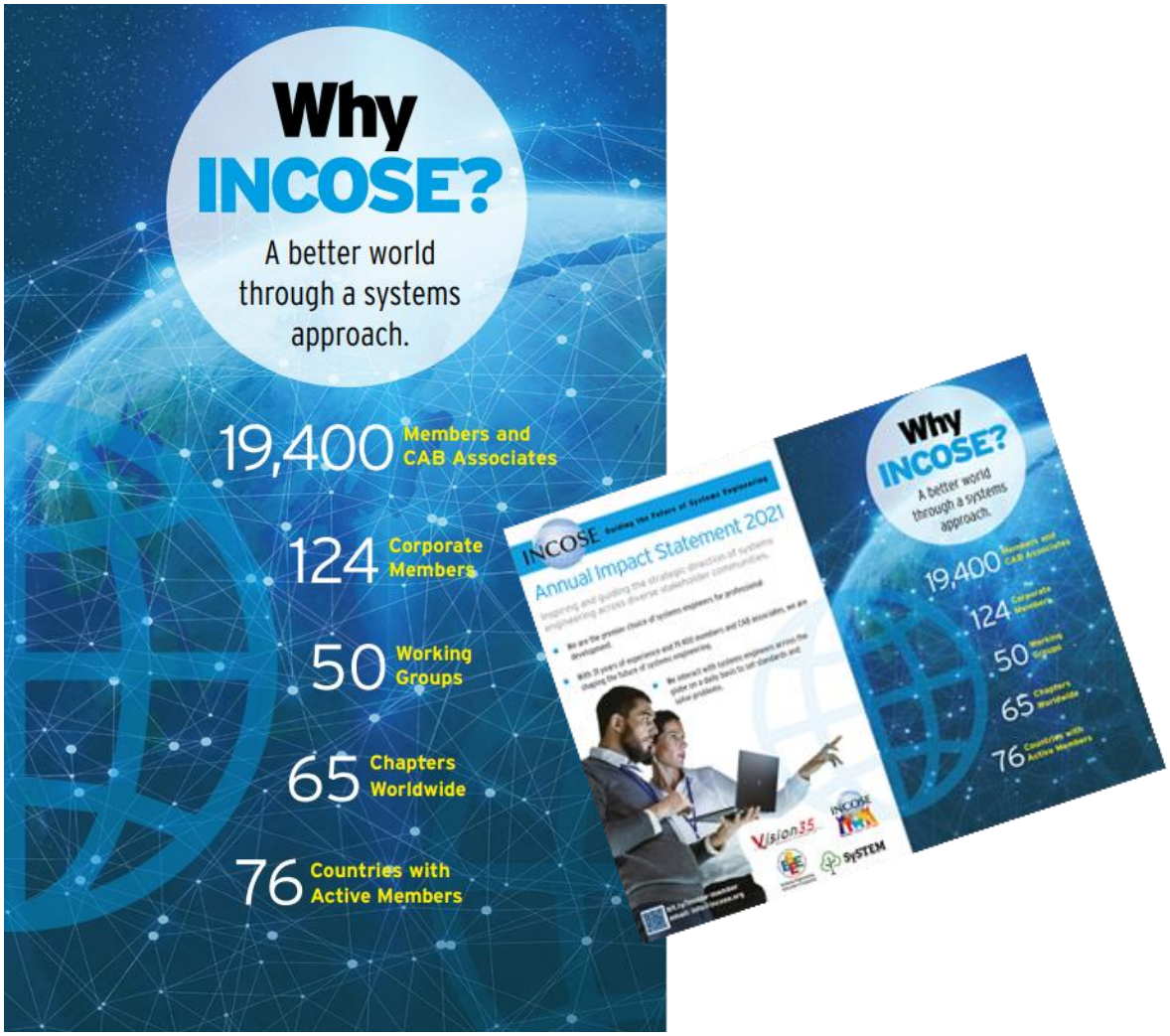
# Global Impact



# Why Join INCOSE?

INCOSE – global SE professional society
– providing **opportunity for life-long learning** in systems approaches

Community of peers, **resources** for your **career**, and a place to be a **leader**

INCOSE members stand out and are often sought after **experts**. They learn from each other.

INCOSE members create **products**, produce **events,** represent in international forums

INCOSE members increase body of knowledge, **advance practice** of SE

**Network** with over 19,000 members in 76 countries

Increase your professional stature with INCOSE SE Professional **Certification**

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# Chapters and Working Groups (WG)

- Connecting people – the heart of INCOSE
- Best ways to increase your circle of influence or work on an issue
  - INCOSE Chapters
  - Working Groups

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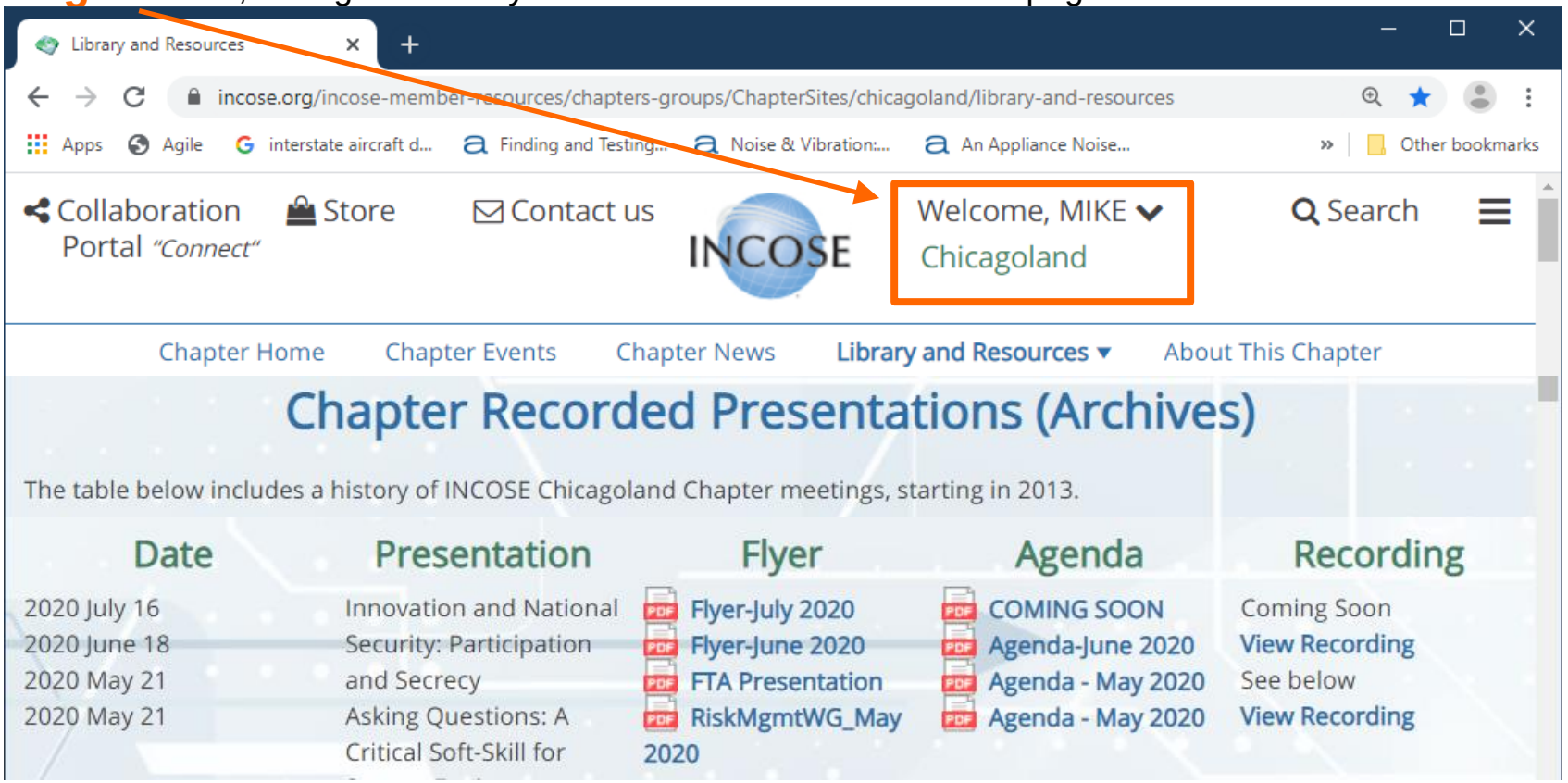
# Benefits of INCOSE Membership

## Professional Development (cont.)

3. **Recordings of speakers at Chapter Meetings** from previous months

**Log in first**, then go to Library and Resources tab of our home page

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# Corporate Advisory Board (CAB)

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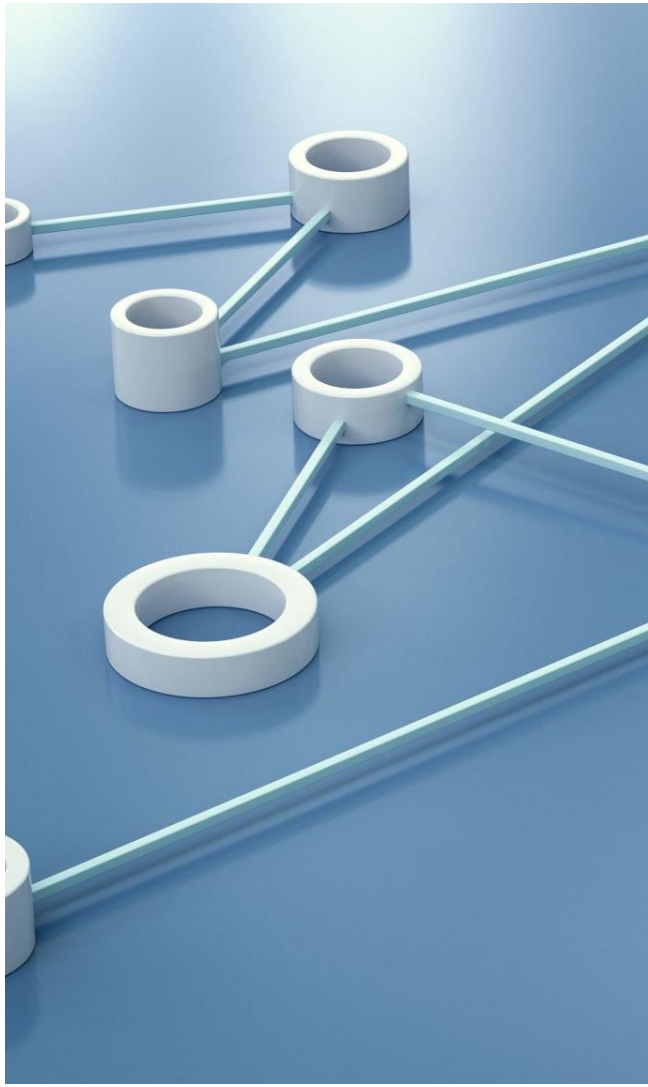
# WHY JOIN THE INCOSE CORPORATE ADVISORY BOARD?

- Allows your organization to guide direction of SE
- Employees gain access to state-of-the-art products
- Align with fellow industry leaders, grow your global footprint
- Learn how other industry leaders apply SE to solve business problems
- Gain better access to talent through your INCOSE network



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# Academic Council

Branch of the Corporate Advisory Board facilitating discussion and exploration of issues relevant to academia and strategic collaborations within INCOSE.

A well-educated workforce is key to Global Prosperity

Council member organizations offer bachelors, masters, and doctorate degrees in systems engineering and related programs.

Active in advancing the state-of-the-art of systems engineering through academic programs.

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# INCOSE Student Divisions

- Undergraduate / graduate students enrolled in accredited curriculum

- Want active involvement in INCOSE

Student Divisions operate under INCOSE chapter, require:

1) interested student body,
2) faculty member and member of INCOSE willing to act as Division mentor and, and
3) active sponsorship and participation by INCOSE chapter

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# Certification

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# SEP Certification Mentors

If:

- you are an INCOSE member, and
- you are interested in becoming certified as a Systems Engineering Professional (SEP), and
- you have questions about the certification process

Then:

- you can contact one of our SEP Certification Mentors for assistance in getting your questions answered:

| INCOSE Member | SEP Level achieved | Email Address |
|---|---|---|
| Steve Perich | CSEP | chitownse2@yahoo.com |
| Russell Kubycheck | CSEP | crk022@gmail.com |
| Chris Freund | ASEP | cfreund7@gmail.com |

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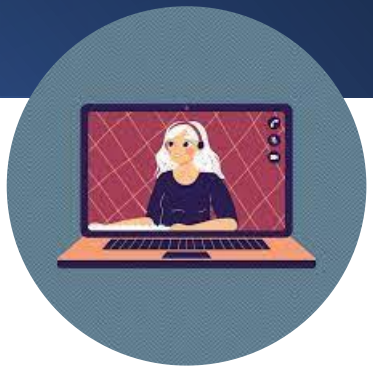
# Conferences and Connections



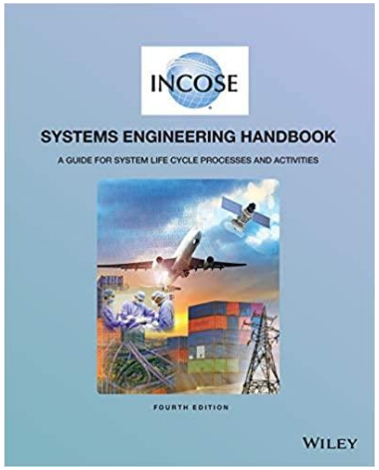
- https://www.incose.org/events-and-news

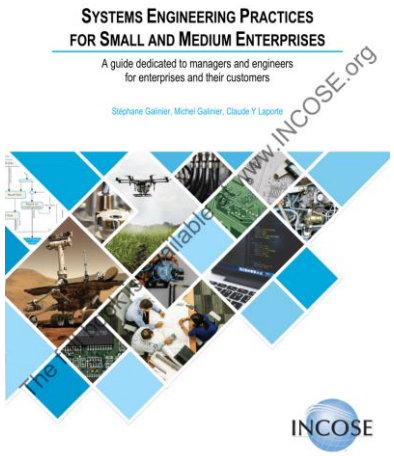
33rd Annual INCOSE international symposium

hybrid event

Honolulu, HI, USA
July 15 - 20, 2023

# Publications




https://www.incose.org/products-and-publications/se-handbook

# INCOSE Foundation

Committed to rewarding skills through scholarships for those engaged in finding solutions to complex technical challenges at all stages of their education or career.

Offers possibilities for people to pursue goals that anticipate the future – for them and for the world.

## Scholarships Include:

| | | | |
|---|---|---|---|
| ISEF, the International Science and Engineering Fair INCOSE Award to a pre-college student | The Chesapeake Chapter Award | The Stevens Doctoral Award for Promising Research in Systems Engineering to a PhD Candidate | The James E. Long Award for Post Doctoral work |

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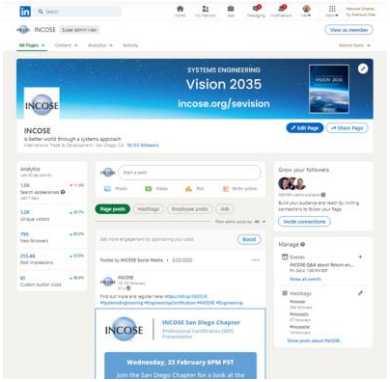
# Engage with INCOSE
# **Follow us on social media**

Follow, like, comment, and share on all INCOSE social media platforms.

- LinkedIn: https://www.linkedin.com/company/44559/
- LinkedIn Group: https://www.linkedin.com/groups/7499834/
- Facebook
- Twitter
- Instagram
- More to come

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# Membership Benefits

A global network of colleagues who understand systems engineering

Certification opportunities

Access to quarterly ePublications, *INSIGHT* and *Journal of Systems Engineering*

Electronic version of the Systems Engineering Handbook

Collaborate with experts and practitioners **worldwide**

Exclusive access to INCOSE Connect, the collaborative space for **INCOSE** Members Only

Member discounted registration to the International Workshop and International Symposium.

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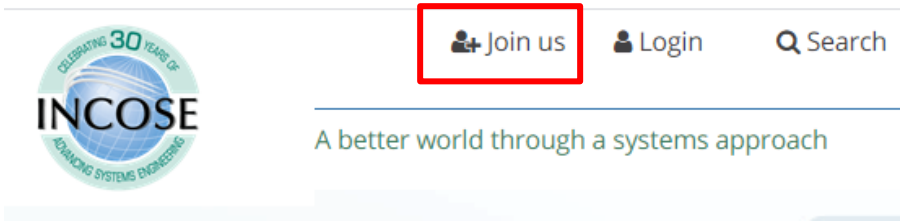
# How to Join INCOSE




1. Go to [www.incose.org](http://www.incose.org)
2. Click on “Join us”
3. Provide information, including your company / institution. This helps the chapter identify programs that will be of interest to the greatest number of chapter members.
4. Select chapter affiliation – “Chicagoland”
5. Pay $160 for 1-year membership (or select a longer term at a lower rate)

   Student membership - $50

Refer a new member? Get an Amazon gift card!

Email Mike Gut, Chicagoland’s Secretary, at gut_mike@hotmail.com

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# UPCOMING INCOSE EVENTS

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# Upcoming Board Meetings

## Board Meetings on the first Thursday of each month

- Meetings are open to all members
- Next meeting: Thursday, March 2, 7:00 – 9:00 PM CT
  (virtual mtg - attend via web conference)
- Plenty of opportunities to get involved!
  - Leadership and contributor opportunities available
  - Join us!

Interested in helping out?

Contact: Russell Kubycheck, Chapter President, via email:

incose.chicago@gmail.com

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# Upcoming Chapter Meetings

## Chapter Meetings on the third Thursday of each month

- March 16, 2023: Requirements WG update - Lou Wheatcraft
- April 20, 2023: Requirements Management - Lou Wheatcraft
- May 16, 2023: TBD
- Spring Seminar over multiple dates in May 2023:
  Design Input Requirements – Systems Engineering Group Project - Lou Wheatcraft

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# INTRODUCTIONS

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# Personal Introductions

***Please stay muted, then unmute when you want to speak, then mute yourself when finished***

- Name, Title & Company / locale
- Are you an INCOSE member, and if so, for how long?
- Job opportunities at your company (if any) or announce if you are looking for an opportunity

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# FEATURE PRESENTATION

[Start recording]

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## Topic: *Genius Everywhere - An SE's Guide to Helping Stakeholders Help Themselves*

**Presenter: Randall C. Iliff**

**Presentation Site:** Onsite Actalent + Online

Agenda: 6:30 - 7:00 PM CT - Announcements & Introductions
7:00 - 8:15 PM CT - Feature Presentation and Q&A

### Abstract

As Systems Engineers we almost never own the actual problem and solution spaces, instead we serve as professional guides to help others navigate their system relationships more effectively. This quickly leads us to the sobering awareness that our success as Systems Engineers is dependent not just on our skill at applying SE methods and practices, but also on the quality of source data we have to work with.

Even our strongest SE magic can only transform "garbage in" into "slightly-refined garbage out" and that comes at the expense of leaving a failed SE implementation for others to cite as a negative example.

In this session we'll talk about how to get the highest quality participation (not just input) from stakeholders throughout the development life cycle, and how to make that relationship one that they value rather than see as an imposition or potential waste of time. We'll share how to make it easy for them to contribute what you need, help them understand why you are asking for that information, realize what they should offer even if you haven't yet asked, and how they will benefit as a result.

Please join us as we explore simple ways to help our stakeholders help themselves!

### About Our Speaker

A seasoned Program Manager and expert Systems Engineer, Randy built a 40-year legacy of disruptive innovation in aerospace, medical, commercial and consumer markets.

As Vice President at bb7 he helped manage over 250 development projects per year. He was the SE Manager for IceCube, a cubic-kilometer scale observatory in Antarctica. To date, over fifty thousand people worldwide have attended his classes, keynotes and featured speaker presentations.

Randy is a charter member of the International Council on Systems Engineering (INCOSE), current representative for INCOSE on the INCOSE-PMI Alliance, and is a passionate supporter of bringing the logic of SE to the entire world.

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Questions? For more information, go to http://www.incose.org/Chicagoland/.