



- Welcome/Introduction (5 minutes)
- INCOSE Overview (10 min)
- Featured Presentations (30 minutes)
- Guide Breakout Session (10 minutes)
- Welcome Center Café event Closeout (5 minutes)

*Presented By New Member Engagement Team (NMET) ([nme@incose.net](mailto:nme@incose.net))*



# New Member Welcome Center

## Resources for New Members

Recordings and presentations from past New Member Café Events

About INCOSE Overview

Ways to engage in INCOSE

Learning and Development

Publications

Growing your Career

The screenshot shows the INCOSE website's New Member Welcome Center. The header includes navigation links like 'Collaboration Portal "Connect"', 'Store', 'Contact us', and 'New! Search'. The main content area features a welcome message, a photo of a cafe with bookshelves, and statistics: 19000+ MEMBERS, 65 CHAPTERS, 50 WORKING GROUPS, and 3976 CERTIFIED. The URL [www.incose.org/welcome](http://www.incose.org/welcome) is prominently displayed at the bottom.

Welcome Center cafes aim to onboard, orient and communicate with new members in their initial INCOSE journey  
New Member Guides are senior, experienced INCOSE members who connect and engage with new members

# New Member Yammer Community

- New Yammer community will be created
- This is a community for YOU, INCOSE New Members to network and discuss topics of interest
- [www.yammer.com](http://www.yammer.com) and login with your @incose.buzz account when assigned

The screenshot displays the Yammer interface for a community named 'New Members'. The top navigation bar includes the Yammer logo, a search bar, the community name 'New Members', and various utility icons like 'New Yammer' toggle, notifications, and settings. The left sidebar shows navigation options: Home Feed, Inbox, Notifications (with a blue indicator), Favorites, and My communities (listing 'New Members', 'All of INCOSE', 'Create a Community', and 'Discover Communities'). A notification box in the sidebar suggests creating favorite communities. The main content area features a green header with a purple 'NM' badge and a 'Joined' button. Below the header are tabs for 'Conversations', 'About', 'Files', and 'Events'. A 'Start a discussion' section offers options for Discussion, Question, Praise, and Poll. The right sidebar shows 'Members 5' with profile icons, an 'Info' section with an 'Edit this section' link, a 'Pinned' section, and a 'Create Live Event' button.



# INCOSE

**International Council on Systems Engineering**  
*A better world through a systems approach*



**CONNECT**



**LEARN**



**LEAD**



**PROSPER**

**INCOSE is the premier choice of systems engineers for professional development. With over 30 years of experience, we are shaping the future of systems engineering. We interact with systems engineers across the globe on a daily basis to set standards.**



**21,000**

**Members and  
CAB Associates**



**126**

**Corporate  
Members**



**52**

**Working Groups**



**65**

**Chapters  
Worldwide**



**75**

**Countries with  
Active Members**



# Why Join INCOSE?

- INCOSE is the global Systems Engineering professional society – providing the **opportunity for life-long learning** in systems approaches.
- A community of peers, **resources** for your **career**, and a place to be a **leader**.
- INCOSE members stand out and are often sought after as **experts**. INCOSE members share practices and learn from each other.
- INCOSE members create **products**, produce **events** and represent the organization in international forums.
- INCOSE members increase the body of knowledge and **advance the practice** of systems engineering.
- **Network** with over 21,000 members in 75 countries.
- Increase your professional stature with the INCOSE Systems Engineering Professional **Certification**.



# Mission and Vision

**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.

# Membership Benefits



A global network of colleagues who understand systems engineering



Collaborate with experts and practitioners **worldwide**



Certification Opportunities



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



Access to quarterly e-Publications, *INSIGHT* and *Journal of Systems Engineering*



Member discounted registration to the International Workshop and International Symposium.



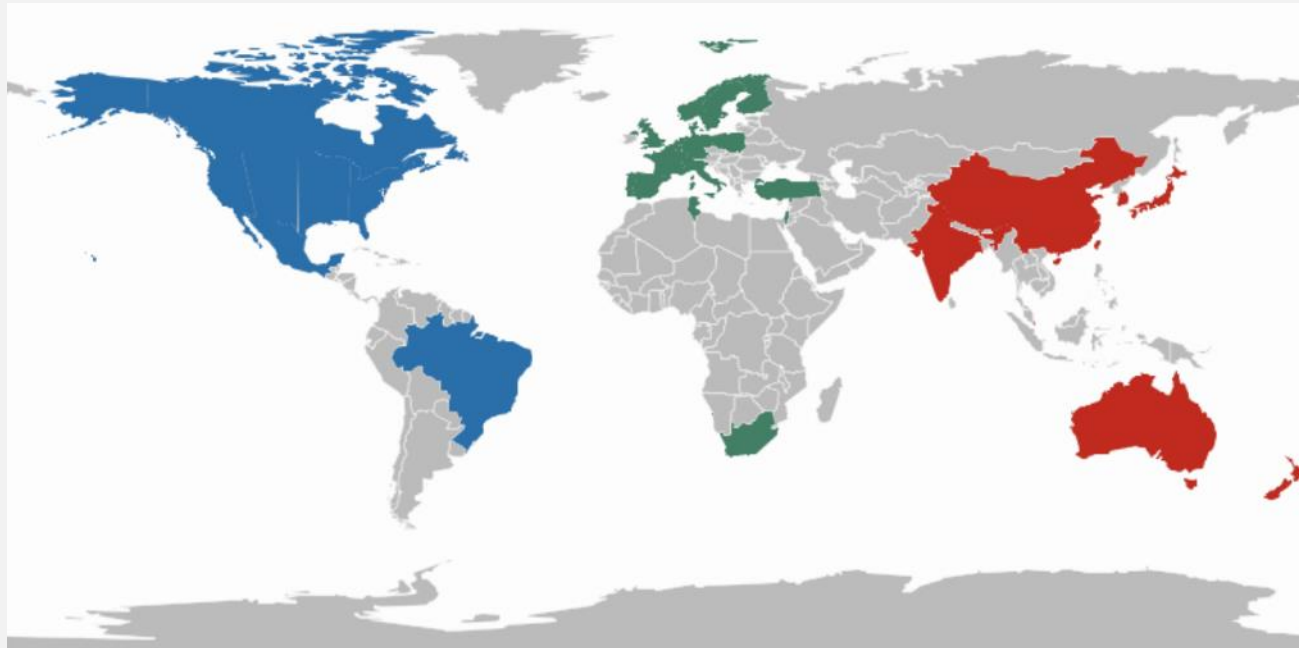
Electronic version of the Systems Engineering Handbook



# 65 Chapters Worldwide

**Chapters play an essential role in the achievement of INCOSE's goals and objectives:**

- Organizing a multitude of professional and social programs
- Attracting new members from industry, government and academia
- Supporting technical activities striving to advance the state and art of systems engineering
- Showcasing INCOSE as the international authoritative body on systems engineering that it is.



**LEARN MORE**  
[Incose.org/chapters](https://www.incose.org/chapters)

# Working Groups

**INCOSE has over 50 active Working Groups. Some of the Working Groups are:**

- Artificial Intelligence Systems
- Automotive
- Human Systems Integration
- MBSE Initiative
- Natural Systems
- PM-SE Integration
- Requirements
- Smart Cities
- Social Systems



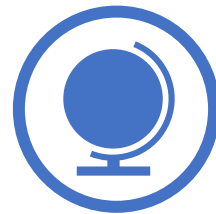
Working groups are the resource practitioners need.



Discuss, collaborate, share in person, and online with a wide diversity of interests.



Create products to advance the state, art and practice of systems engineering.



Help develop and review international standards



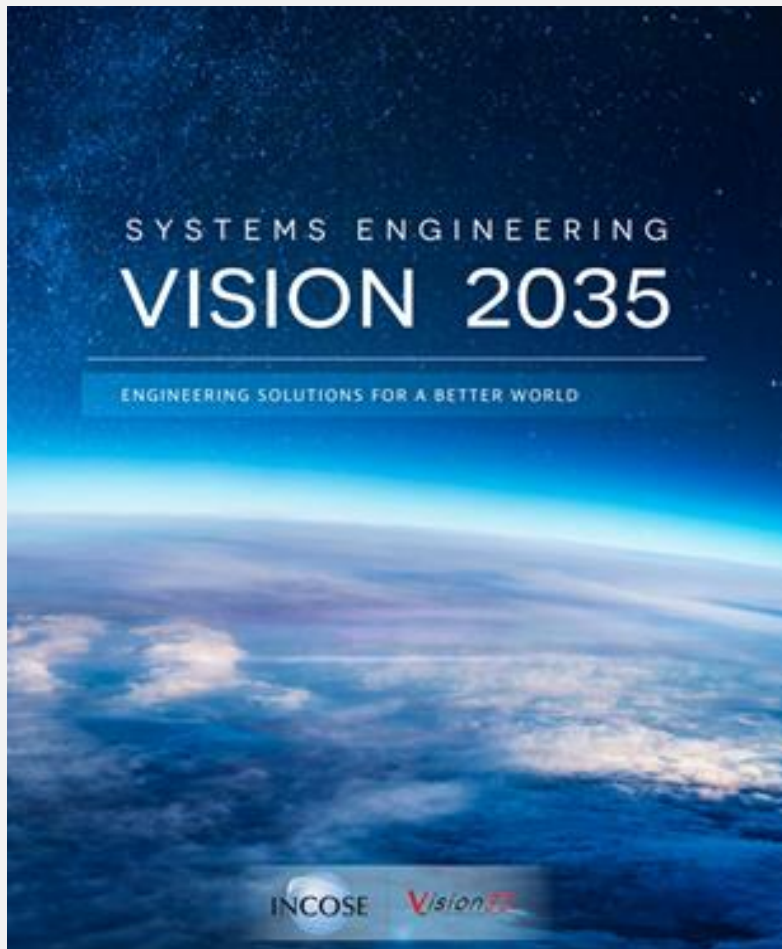
Bring value to other INCOSE stakeholders in your interest area



WGs run events, workshops, panels and much more

**LEARN MORE:** [incose.org/workinggroups](https://www.incose.org/workinggroups)

# Systems Engineering Vision 2035



This **Systems Engineering 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**

*We encourage you to work with **INCOSE** to help realize this vision.*

The complete **Systems Engineering Vision 2035** is available as a website and PDF

LEARN MORE: [incose.org/seivision](https://incose.org/seivision)



INCOSE

FuSE

*Future of Systems Engineering*

**FuSE Vision:  
Inspire the Global  
Community  
to Realize the  
Vision of SE**

# Initiatives: TLI and SySTEAM



The Technical Leadership Institute (TLI) is a global network of INCOSE members committed to improving technical leadership skills to better address the complex sociotechnical challenges of the twenty-first century. TLI members come from a wide range of countries.

**LEARN MORE:**  
[incose.org/tli](https://incose.org/tli)



SySTEAM aims to promote a more just, equitable, and transparent approach to education in general, and interdisciplinary systems thinking/systems engineering competencies in particular, aimed at reducing disparities in educational quality, access, and competency attainment.

**LEARN MORE:**  
[incose.org/system](https://incose.org/system)

# Initiatives: Diversity, Equity and Inclusion & EWLSE



Policy DEI-100 was established for the Diversity, Equity, and Inclusion (DE&I) initiative as an imperative effort within INCOSE to ensure that structures and mechanisms are in place to make INCOSE an organization where everyone can comfortably be their authentic self, recognize themselves in other members, and have an equal voice and opportunity in their interactions within the organization.

#### Strategic Goals of DEI:

- Goal #1: Affirming greater inclusion and diversity within INCOSE membership.
- Goal #2: Recruitment of more members from diverse backgrounds. Work is already underway to achieve Goal #2. New Membership Engagement (NMET) Diversity Equity & Inclusion (DEI)

LEARN MORE: [incose.org/dei](https://incose.org/dei)



EWLSE's mission is to create an open systems engineering environment welcoming to all; promote the demonstrated value of women as systems engineers and leaders; engage women in engineering and systems engineering at all levels of education around the world; and enable increased participation and retention of women in systems engineering leadership.

LEARN MORE:  
[incose.org/ewlse](https://incose.org/ewlse)

# MBSE

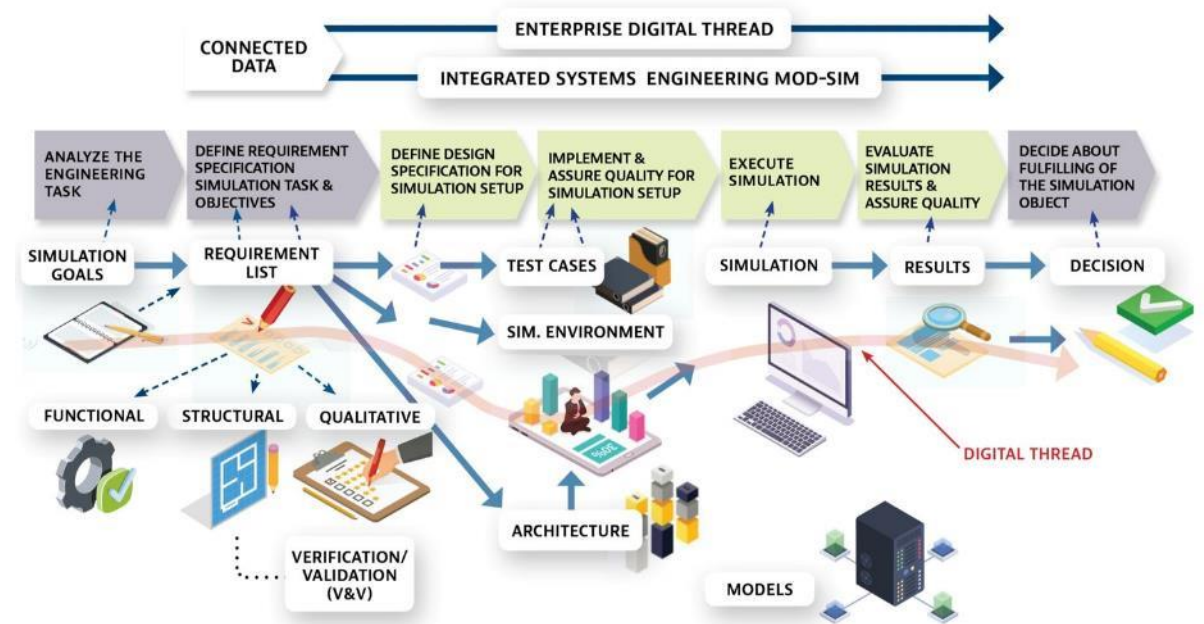
## The future of systems engineering is predominantly Model-Based (MBSE)

### FROM:

- The adoption of MBSE is uneven across industry sectors and within organizations.
- Custom, one-off simulations are used for each project, and there is still limited reuse of models especially during critical early phases of systems architecting and design validation.

### TO:

- Systems engineers routinely compose task-specific virtual models using ontologically linked, digital twin-based model-assets.
- These connected models are updated in real-time providing a virtual reality-based, immersive design and exploration space. This virtual global collaboration space is cloud-based, enabled by modelling as a service and supports massive simulation leveraging cloud-based high-capacity compute infrastructure.
- Families of unified ModSim frameworks exist enabling small and medium businesses along with Government agencies to collaborate.

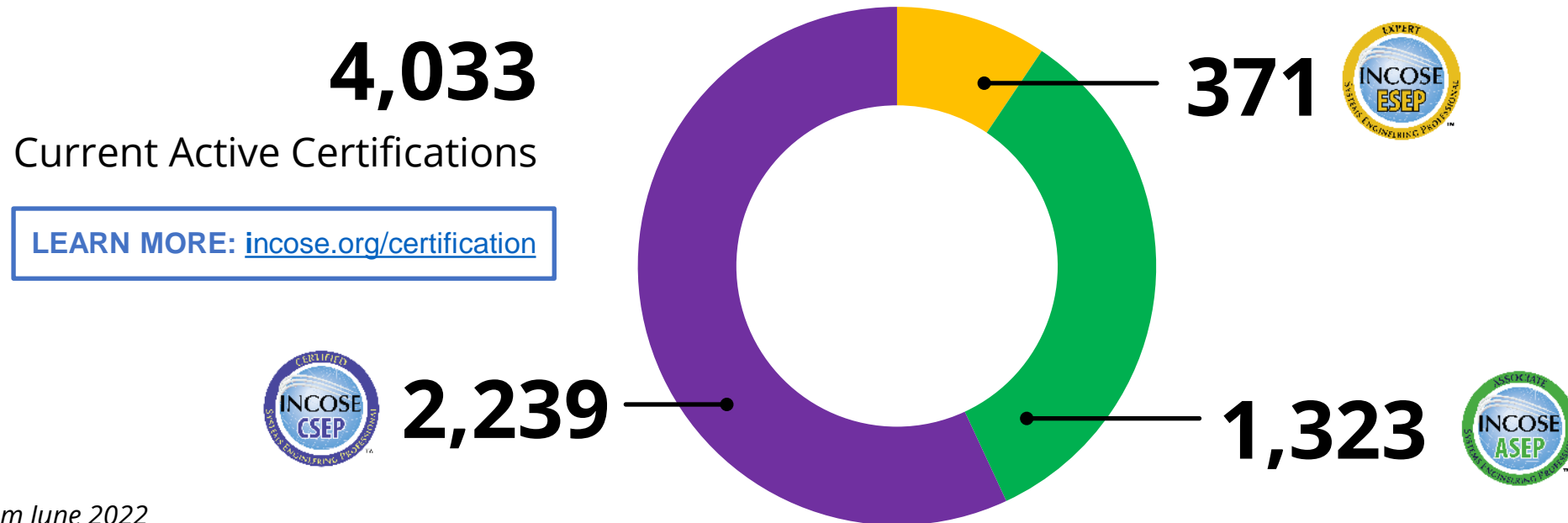


# INCOSE Certification



The Certification Program offers internationally recognized systems engineering qualification at three levels; confirming an individual's competency through demonstrated knowledge, education and experience.

- Systems Engineering Professional (SEP) certification formally recognizes an individual's progress through their career as they develop and apply systems engineering knowledge and practices.
- INCOSE offers three levels of certification ASEP, CSEP and ESEP.



Stats from June 2022



# Corporate Advisory Board

**Corporate Advisory Board membership allows organizations to guide the direction of the discipline.**

- Employees can gain access to the state-of-the-art products.
- Align with peers and fellow industry leaders, grow your global footprint, and learn about how other industry leaders are applying systems engineering to solve business problems.
- Gain better access to talent – find and hire competent, certified Systems Engineers through your INCOSE connection

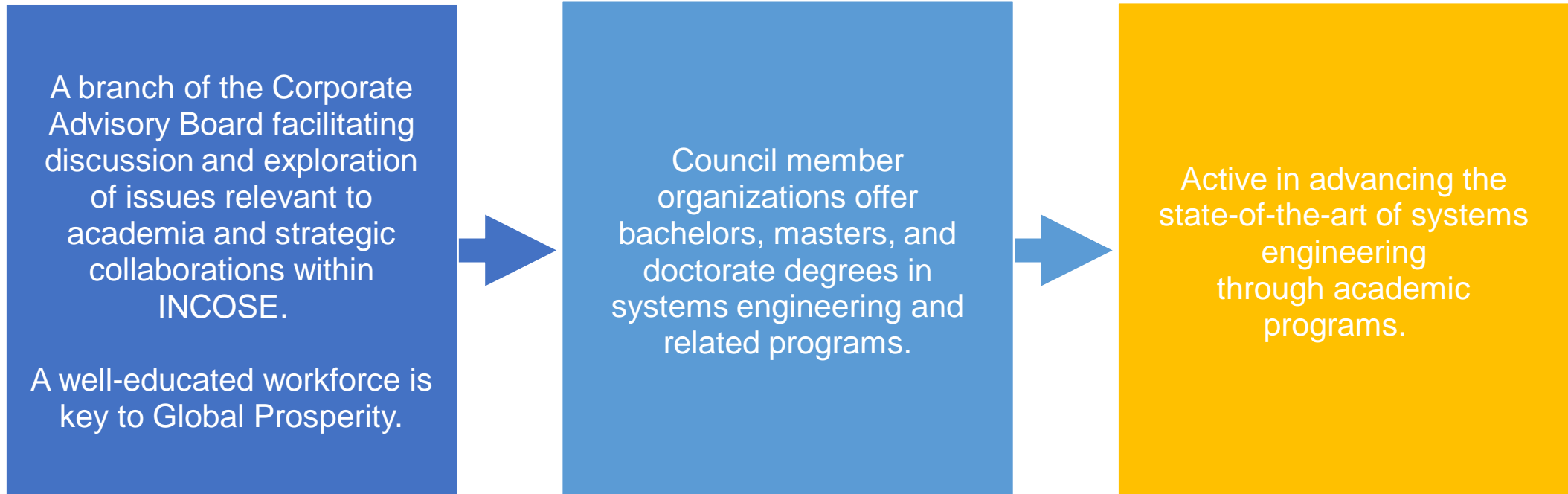
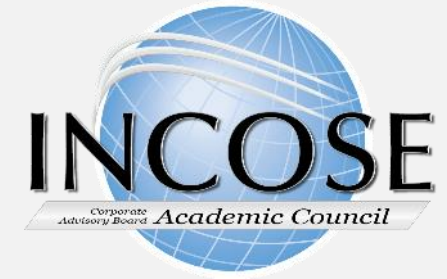


The INCOSE Corporate Advisory Board (CAB)  
is the Voice of the Customer to the INCOSE  
leadership.

The CAB provides strategic guidance to technical  
leadership, leading to the development of systems  
engineering products and input to standards to  
meet their needs.

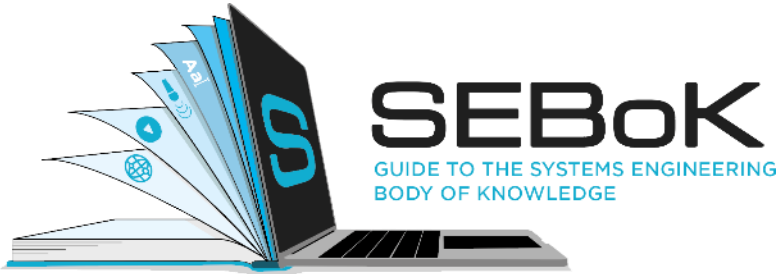
LEARN MORE: [incose.org/cab](https://incose.org/cab)

# Academic Council



LEARN MORE: [incose.org/cab](http://incose.org/cab)

# Resources



# Conferences and Events

## International Symposium 2023



**33<sup>rd</sup>** Annual **INCOSE**  
international symposium  
hybrid event

Honolulu, HI, USA  
July 15 - 20, 2023

## International Workshop 2023



**2023**  
Annual **INCOSE**  
international workshop  
HYBRID EVENT  
Torrance, CA, USA  
January 28 - 31, 2023

## Human Systems Integration 2022



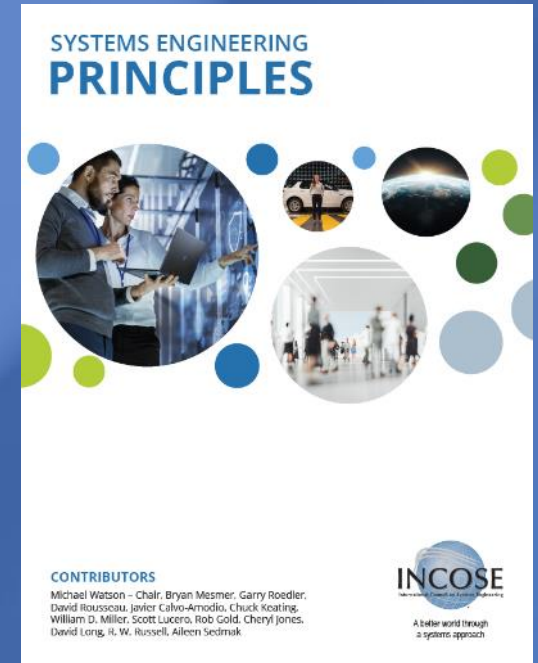
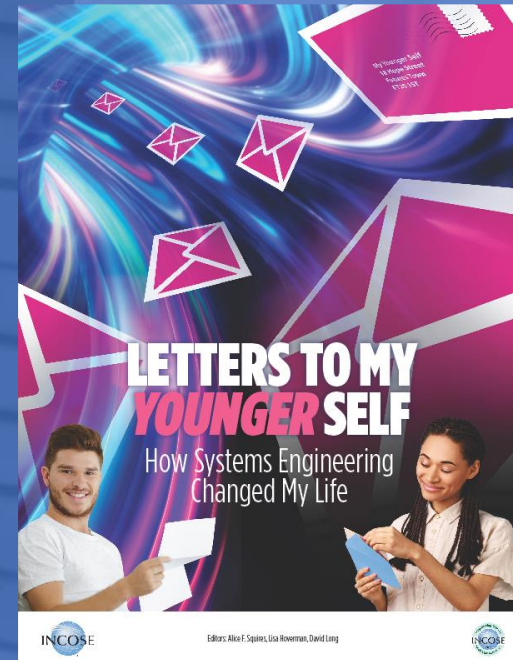
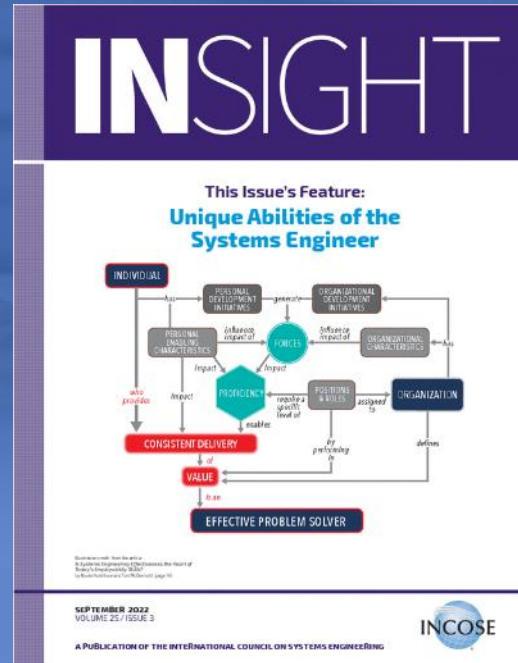
## Europe, Middle East, Africa (EMEA) Workshop and Systems Engineering Conference (WSEC) 2023



LEARN MORE:

[incose.org/events-and-news](https://incose.org/events-and-news)

# Publications



LEARN MORE:

<http://connect.incose.org/store>

# The 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




# FEATURED PRESENTATION: Certification and your Career

Courtney Wright  
INCOSE Certification  
Program Director

## How do I get Certified?


Explore the three certification levels to see which is the best fit for you. You can apply at any level



**Associate Systems  
Engineering  
Professional**

If you have just started practicing – or want to start practicing – systems engineering, then ASEP is for you. This certification is for people at the beginning of their career as a systems engineer. The ASEP has "book knowledge" but not yet significant experience as a systems engineer.


[LEARN MORE](#)



**Certified Systems  
Engineering  
Professional**

If you are a practicing Systems Engineer with more than five years of systems engineering professional work experience, then CSEP is for you.

[LEARN MORE](#)



**Expert Systems  
Engineering  
Professional**

If you are a systems engineering leader with recognized systems accomplishments and have many years of systems engineering professional work experience, then ESEP is for you.

[LEARN MORE](#)

# Welcome Center Feedback

We want YOUR  
Feedback on  
today's Welcome  
Center event

- What did you **like** about this Welcome Center event today?
- What can be **improved** for future Welcome Center events?
- How else do you want to be **supported** to become more involved within INCOSE?

Contact us with any questions about INCOSE: [nme@incose.net](mailto:nme@incose.net)



**Questions?**

