



The International Council on Systems Engineering

New Member Welcome Center Event

"MAXIMIZING YOUR INCOSE JOURNEY"

Session 1 (2021 December)



Purpose and Agenda

- The purpose of this briefing is to provide insights to valuable offerings and opportunities for INCOSE members.
- New members will be oriented and become more familiar with the following:
 - Member INCOSE Profile
 - INCOSE website New Member page
 - Working Groups
 - SE Certifications
 - SE Standards and Guidance (SEBoK, SE Handbook)
 - Publications & Papers
 - Yammer community

Today's Line Up

- About the Welcome Center and New Member Guides (Shakila)
- Introductions (Shakila)
- Guest Speaker (Honor Lind)
- Overview of Opportunities Providing Value to INCOSE Members (Shakila et. al)
- Welcome Center Feedback (chat poll)



About New Member Welcome Center

- The Welcome Center is a social and virtual forum for INCOSE New Members
- Welcome Center cafes aim to onboard, orient and communicate with new members in their initial INCOSE journey
- Welcome Center New Member
 Yammer community is an online
 platform that can be used dynamically
 by members to connect and engage
 with other Members and locate
 INCOSE information

New Member Guides

Senior/Experienced INCOSE
members connect and engage with
new members via Welcome Center
Café events, online collaboration
(Yammer) and informal
communication avenues (email, MS
Teams chat etc.)



Welcome and Introductions

- Welcome to the New Member
 Welcome Center session
- Let's take a few minutes (10 minutes or less) to learn about each other....
- Guide/Facilitator to share information:
 - Name
 - Brief summary of professional career
 - Years with and roles in INCOSE
 - Personal interests or passions

- New Members to share information:
 - Name
 - Geographic location
 - Brief summary of professional career
 - Why joined INCOSE
 - What looking to gain or learn
 - Personal interests or passions



Discussion

Membership Has Its Benefits!

- Belong to a global Systems Engineering professional society for lifelong learning in systems approaches (e.g., SE body of knowledge and practices)?
- Be part of a community of peers, resources for your career, and a place to be a leader?
- Access to and help create products and advance the practice of SE?
- Expand your professional network by connecting with a community of 18,000+ members in 74 countries?
- Increase your professional network and prominence?



Value to INCOSE Members

What's In It For Me?

Certification

Support My Being A Better Systems Engineer... Improve My Work Products... Advance My Career...

Professional Development

Increase your technical engage of knowledge SE peer through INCOSE webinars, publications, papers and your your pro-

Improve your knowledge and skills

chapter tutorials

Professional Networking

Connect and engage with your SE peers various INCOSE, sector and chapter events to expand your professional network

Create friendships

Professional Prominence

Advance your visibility and impact by becoming involved in developing, publishing, and presenting on SE topics

Share your technical knowledge and ideas with the community and across professional organizations Working Groups

Join a working group to help lead, guide and advance technical knowledge Chapter Involvement

Become involved
in your local
chapter STEM
programs to
support the
upcoming

generation of SE's

Become a certified to advance your recognition in SE Leadership

Grow, advance and leave an impact by becoming an INCOSE volunteer



Guest Speaker

Insights into an INCOSE Journey





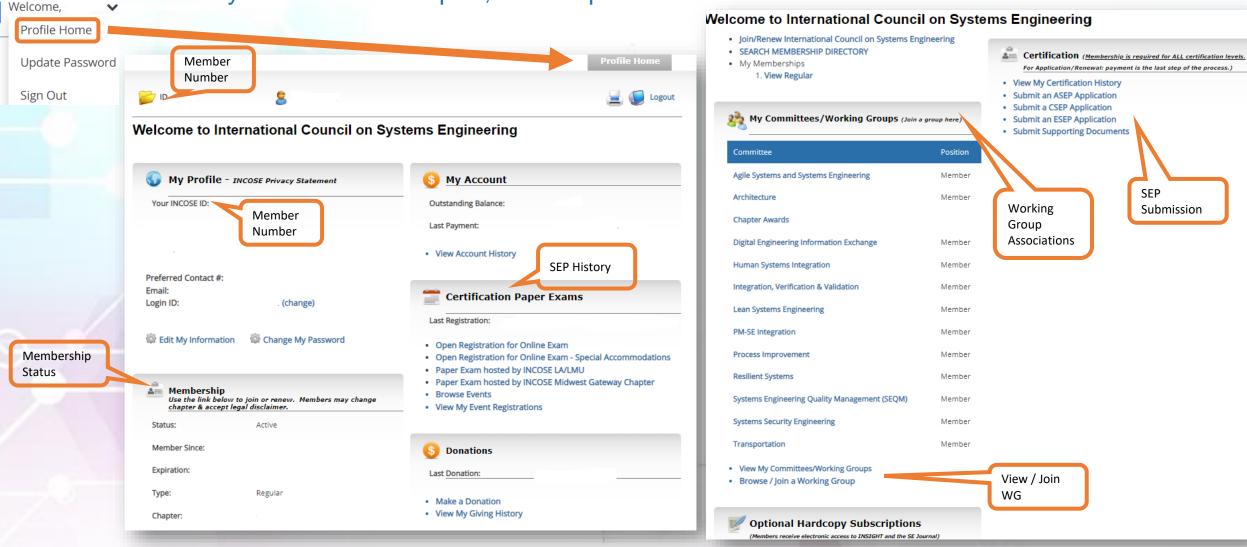
Your INCOSE Profile

- *Locating INCOSE ID
- *Chapter, WG Affiliations
- *Membership Status
- *Certification Status



INCOSE Your Member Profile

From www.incose.org, log into your INCOSE account, access your profile. You can select your INCOSE chapter, access publications and so much more!





New Member Page via INCOSE Website

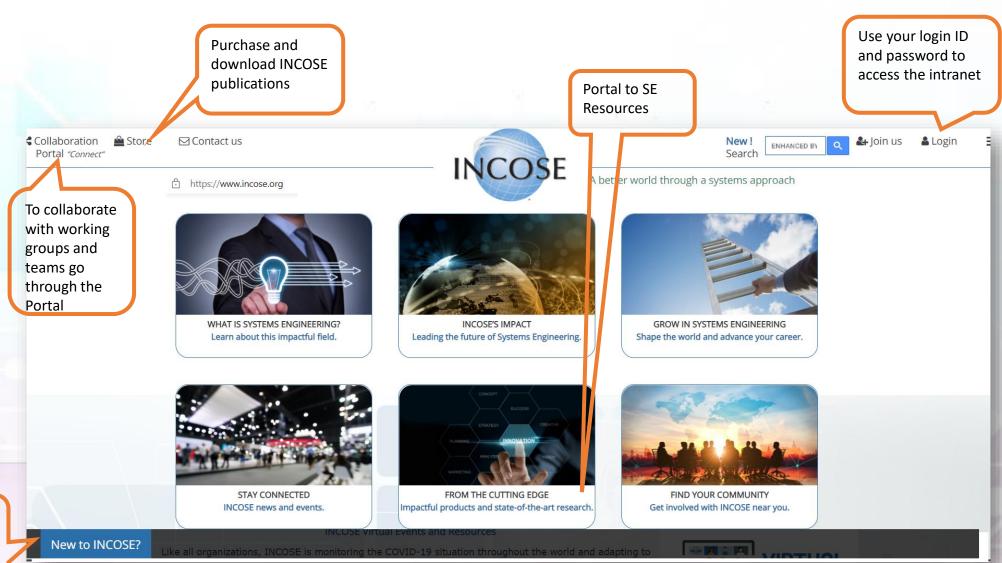
- *Locate information about INCOSE Offerings
- *Updates Forthcoming...



INCOSE Public Site

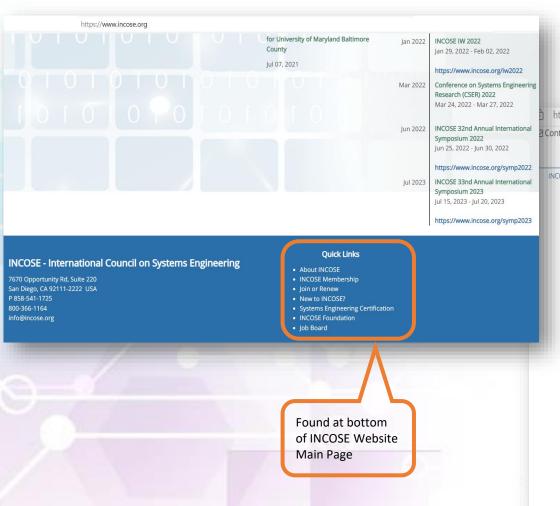
- The INCOSE website is the way to access the latest information and resources
- Visit www.incose.org to log into your INCOSE account, access your profile, assign your INCOSE chapter, access publications and so much more!
- Access to the INCOSE
 Connect portal (https://connect.incose.
 org/Pages/Home.aspxr
 g)

Locate New Member information





INCOSE New Member Page





and practices that enable successful systems. We have grown to more than 19,000 members meeting in over 65 local chapters in over 75 countries which translates to boundless opportunities to network, learn and have fun.

As members we represent a broad spectrum - from student to senior practitioner, from technical engineer to program and corporate management, from science and engineering to business development. We work together to advance our technical knowledge, exchange ideas with colleagues, and collaborate to advance systems engineering. There are many exciting challenges ahead and we are glad you are joining us!

Below is an overview of INCOSE - our organization, available resources and opportunities for involvement. Use the links provided to learn more.











About INCOSE

INCOSE Overall Organization, Simplified Volunteer Leadership

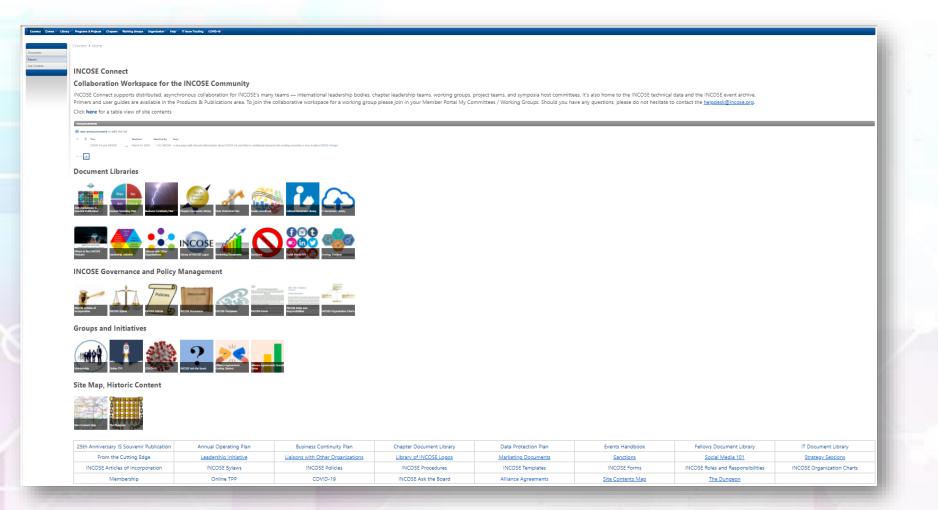


INCOSE Vision, Mission, Goals, Objectives

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



INCOSE Intranet – INCOSE Connect Portal



- Supports distributed, asynchronous collaboration for INCOSE's many teams (international leadership bodies, chapter leadership teams, working groups, project teams, and symposia host committees)
- Home to the INCOSE technical data and the INCOSE event archive.
- Primers and user guides are available in the Products & Publications area.
- To join the collaborative workspace for a working group please join in your Member Portal My Committees / Working Groups.



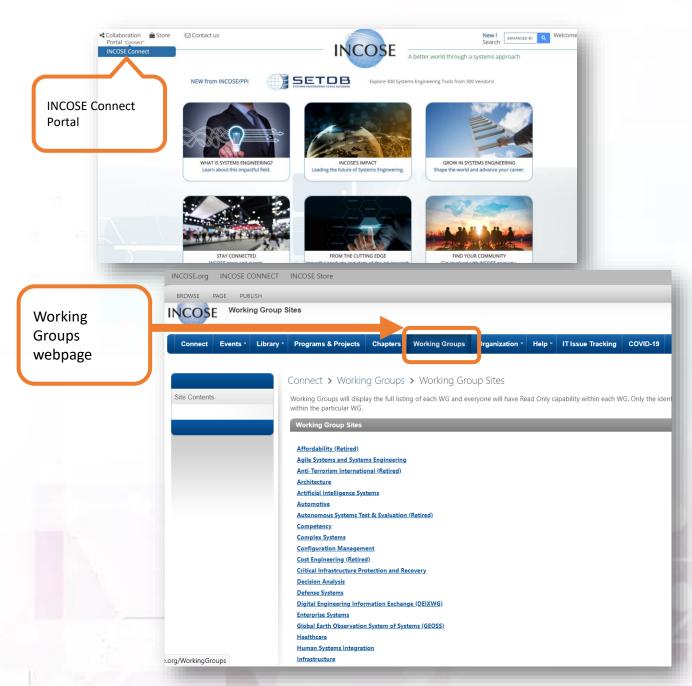
INCOSE Working Groups

*Join a WG to Contribute to SE Knowledge Area



Working Groups

- Working Groups (WGs) are the resource for practitioners to forward SE thought, products etc.
- Varied operating models and rhythm among WGs
- Participants discuss, collaborate, share in person, and online on 51 Active WGs in INCOSE across a wide diversity of interests.
- INCOSE WG members create products, present panels, develop and review standards.
- View the INCOSE Working Groups https://www.incose.org/incose-memberresources/working-groups or via https://connect.incose.org and select "Working Groups"





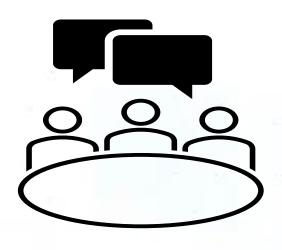
Working Group Members

- Bring value to other INCOSE stakeholders in an interest area
- Build expertise and contacts
- Help develop and review international standards
- Share information across WGs
- Create products to advance the state, art and practice of SE
- How to Join a Working Group (found on the working group page)
 - ➤ Membership in Working Groups is open to any INCOSE member. To join a group:
 - ➤ Log into your INCOSE account
 - ➤ Go to your Profile Page, and scroll to the bottom left section titled "My Committees and Working Groups"
 - Click the link for "Browse / Join a Working Group"
 - ➤ Find the desired Working Group and click on View to see roster; the Join option is at the bottom of the page
 - Additionally, email the Working Group leaders by clicking on their name(s) from the Working Groups page and sending them an email expressing your interest!





Discussion



Which Working Groups Interest You?

How Do You Plan to Get Involved?



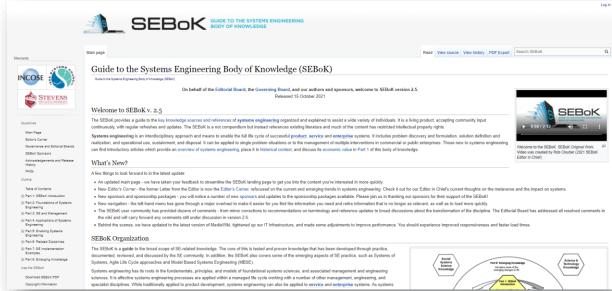
SE Knowledge Resources

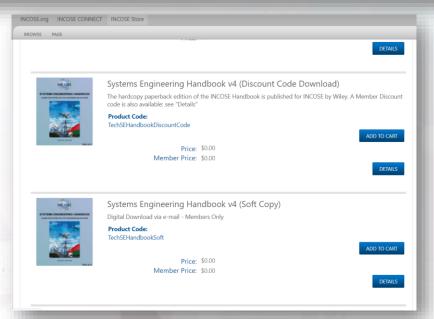
*SEBoK and SE Handbook for Practitioners



SE Knowledge Resources

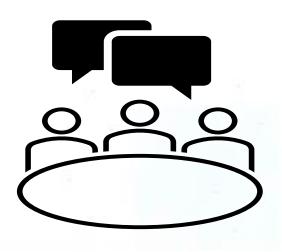
- SE Body of Knowledge (SEBOK)
 - Access to SE Journal, INSIGHT Magazine and INCOSE Newsletter
 - https://www.sebokwiki.org/wiki/Guide_to_the Systems_Engineering_Body_of_Knowledg e (SEBoK)
- SE Handbook free download for members from INCOSE Store
 - https://connect.incose.org/pages/store.aspx
 - Describe key process activities performed by systems engineers and other engineering professionals throughout the life cycle of a system







Discussion



How Will You Use the SEBoK and SE Handbook?



Publications & Papers

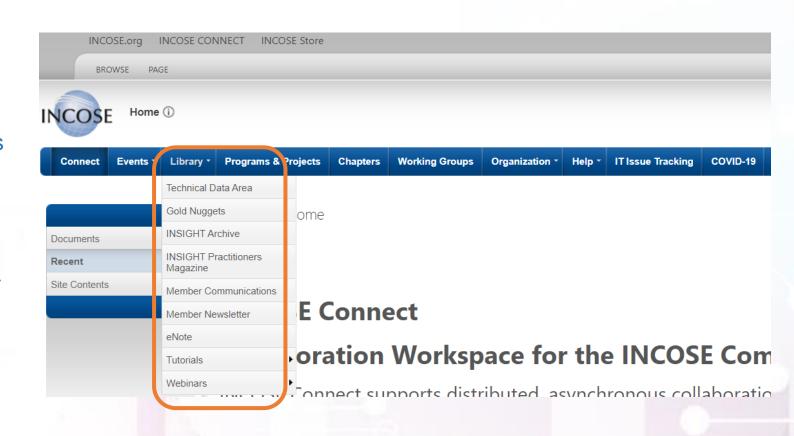
- *Publications- INCOSE Journal, eNote, Newsletter
- *Papers Accessible via INCOSE website for members



The INCOSE "Library" Periodicals and Papers

Periodicals

- Systems Engineering (SE Journal) full-text versions of papers
- INSIGHT magazine of International Council on Systems Engineering. It is published four times per year.
- INCOSE Members Newsletter published every quarter and seeks articles and news items of interest.
- https://www.incose.org/products-andpublications/periodicals
- Proceedings/Papers
 - Papers & Presentations Library is a search engine for presentations from INCOSE conferences.
 - https://www.incose.org/products-andpublications/papers-presentationslibrary

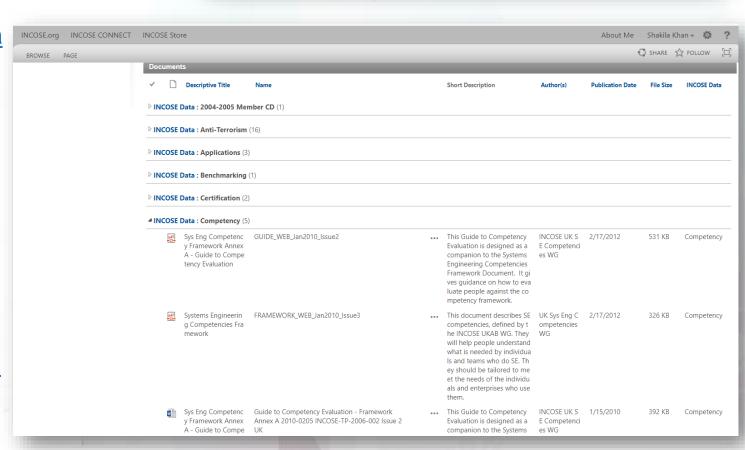




INCOSE Products

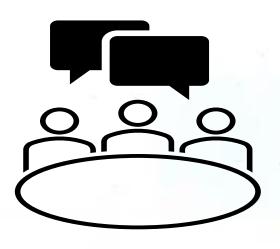
- INCOSE Store
 - Purchase and order INCOSE products via https://connect.incose.org/pages/store.a
 spx
- Technical Publications/Products (WGs)
 - Members have access to free soft copy downloads -https://www.incose.org/products-and-publications/technical-publications
 - Publications from WG's found in the "Library" under "Technical Data Areas" https://connect.incose.org/Library/TechnicalData/Pages/Home.aspx







Discussion



Have You Perused The Available Publications? Which Ones Peak Your Interest?



Systems Engineering Professional (SEP) Certification



INCOSE SEP Certifications

Three levels of INCOSE SEP Certification



myou nave 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.

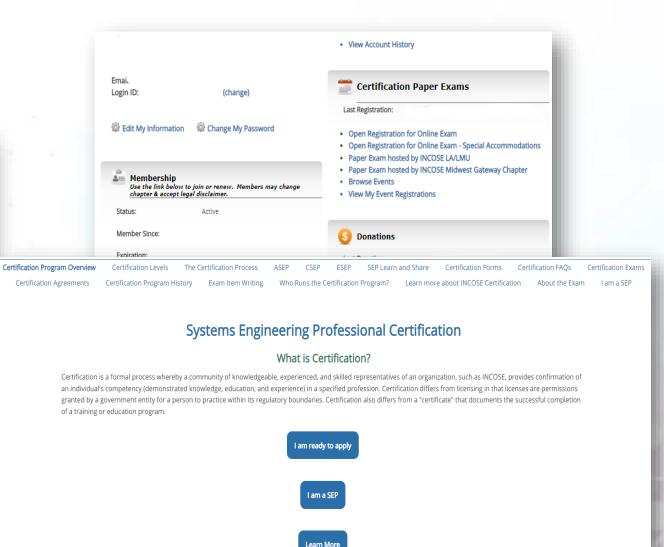


If you are a practicing Systems Engineer with more than five years of systems engineering professional work experience, then CSEP is for you.



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.

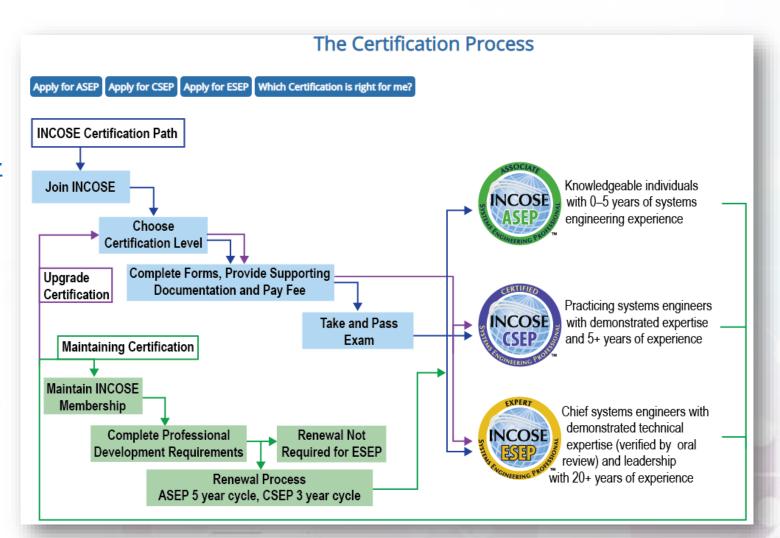
- Learn about INCOSE Systems
 Engineering certifications program
 https://www.incose.org/systems-engineering-certification/certification
- The certification levels - <u>https://www.incose.org/systemsengineering-certification/Certification-</u> Levels





Certification Submission via Profile

 The certification process is explained at https://www.incose.org/systemsengineering-certification/thecertification-process





SEP Applications

Access Your Member Profile to submit a SEP application

ID: 41625

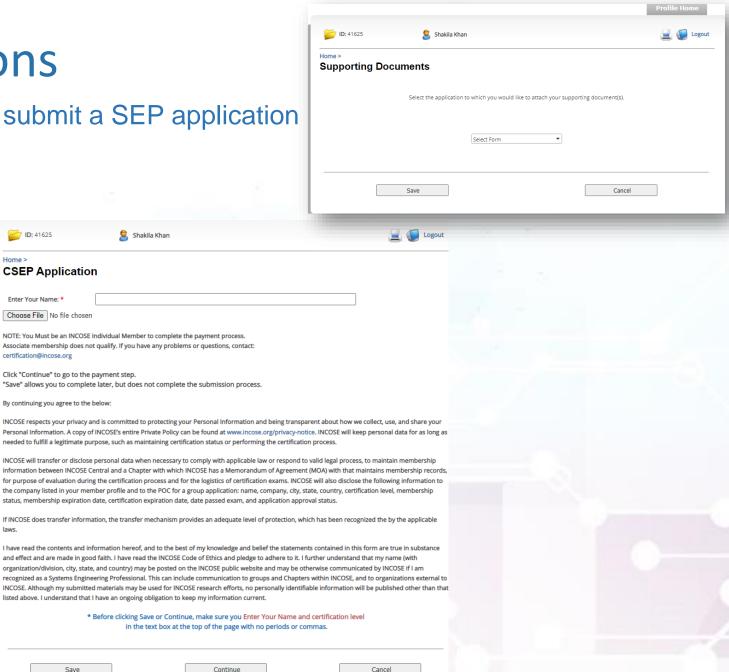
Enter Your Name: * Choose File No file chosen

certification@incose.org

Click "Continue" to go to the payment step.

By continuing you agree to the below:

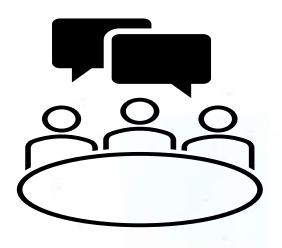
CSEP Application



	D: 41625	Shakila Khan		Logout
Home >	P Application			
	our Name: * e File No file chosen			
NOTE: You Must be an INCOSE Individual Member to complete the payment process. Associate membership does not qualify. If you have any problems or questions, contact: certification@incose.org				
Click "Continue" to go to the payment step. "Save" allows you to complete later, but does not complete the submission process.				
By contir	y continuing you agree to the below:			
Personal	NCOSE respects your privacy and is committed to protecting your Personal Information and being transparent about how we collect, use, and share your rersonal Information. A copy of INCOSE's entire Private Policy can be found at www.incose.org/privacy-notice . INCOSE will keep personal data for as long as seeded to fulfill a legitimate purpose, such as maintaining certification status or performing the certification process.			
informat for purpo the comp	tion between INCOSE Cen ose of evaluation during t pany listed in your memb	tral and a Chapter with which INCC he certification process and for the er profile and to the POC for a grou	nply with applicable law or respond to valid le DSE has a Memorandum of Agreement (MOA): logistics of certification exams. INCOSE will al up application: name, company, city, state, cou- te passed exam, and application approval stat	with that maintains membership records, lso disclose the following information to untry, certification level, membership
If INCOS	E does transfer informatio	on, the transfer mechanism provid	es an adequate level of protection, which has	been recognized the by the applicable
and effectorganizatecognizatec	ct and are made in good f htion/division, city, state, a sed as a Systems Engineer Although my submitted n	aith. I have read the INCOSE Code nd country) may be posted on the ing Professional. This can include o	ny knowledge and belief the statements conta of Ethics and pledge to adhere to it. I further i INCOSE public website and may be otherwise ommunication to groups and Chapters within esearch efforts, no personally identifiable info my information current.	understand that my name (with communicated by INCOSE if I am INCOSE, and to organizations external to
	* Be		nake sure you <mark>Enter Your Name and certifi</mark> p of the page with no periods or commas.	ication level



Discussion



Are You Interested in Pursuing a Certification?



INCOSE Workshop and Annual Conference



INCOSE Events

Access specific events from toolbar at the top of the page



New! Search

A better world through a systems approach

INCOSE Events

International Workshop

International Symposium

INCOSE and SE News

Media Contact

- Listing of INCOSE Events (international, regional or local chapter) found at https://www.incose.org/events-and-news/events
- At this site, you will find a listing of upcoming informational sessions, a link to the annual International Working Group (IW) and the International Symposium (IS) conferences.
- International Workshop attendees spend 4 days working alongside fellow systems engineers working sessions and contribute their knowledge and experience to take the discipline forward. Find information on IW2022 @ https://www.incose.org/iw2022/what-is-the-international-workshop
- International Symposium largest worldwide annual gathering of people who do systems engineering for four days of presentations, case studies, workshops, tutorials and panel discussions. Find information on IW2022 @ https://www.incose.org/symp2022/home/what-is-the-international-symposium



Connecting across INCOSE

*Yammer



New Member Yammer Community

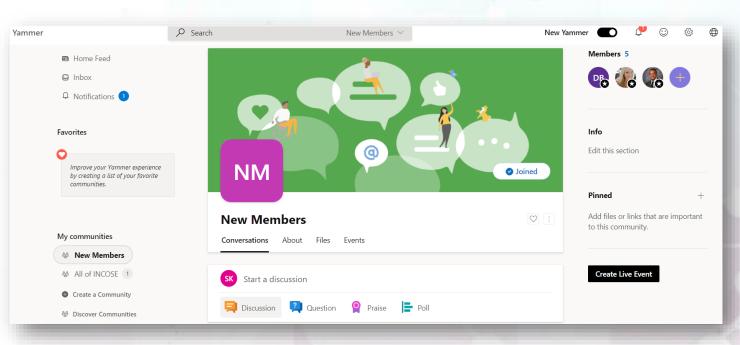
 Yammer, a Microsoft 365 products, is used within INCOSE to connect and socialize in and among communities

 This is a community for YOU, INCOSE New Members to network and discuss topics of interest

Add yourself to a community to engage in conversation and learn more - via MS Teams

or website (Yammer.com)

• Link: (1) Yammer - New Members





Chapters & Groups



74 CHAPTERS



35 COUNTRIES

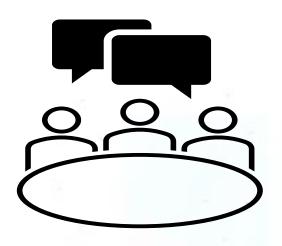


55WORKING GROUPS

- At the heart of INCOSE is the ability to connect people.
- Whether you are interested in increasing your circle of influence, or in working on an issue, INCOSE Chapters and Working Groups offer unparalleled points of connection.
- Search for an INCOSE chapter https://www.incose.org/incose-member-resources/chapters-groups



Discussion



What Member Benefits Are You Interested In Pursuing? Have you engaged with your local chapter?



Welcome Center Poll

We want YOUR Feedback on today's Welcome Center event (e.g., chat poll)

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

Contact Us @ nme@incose.net



Systems Engineering: Importance & Impact

- Systems engineers are at the heart of creating successful new systems.
 - As an SE you are responsible for the system concept, architecture, and design.
 - As an SE you analyze and manage complexity and risk.
 - As an SE you decide how to measure whether the deployed system actually works as intended.
 - As an SE you are responsible for a myriad of other facets of system creation.
- Systems engineering is the discipline that makes your success possible their tools, techniques, methods, knowledge, standards, principles, and concepts.
- The launch of successful systems can invariably be traced to innovative and effective systems engineering.



- Founded to develop & disseminate the interdisciplinary principles and practices enabling successful systems – 31+ years of INCOSE!!!
- Connects Systems Engineering professionals with educational, networking, and careeradvancement opportunities
 - Developing the global community of systems engineers and systems approaches to problems
- Focused on producing state-of-the-art work products that support and enhance Systems Engineering global visibility

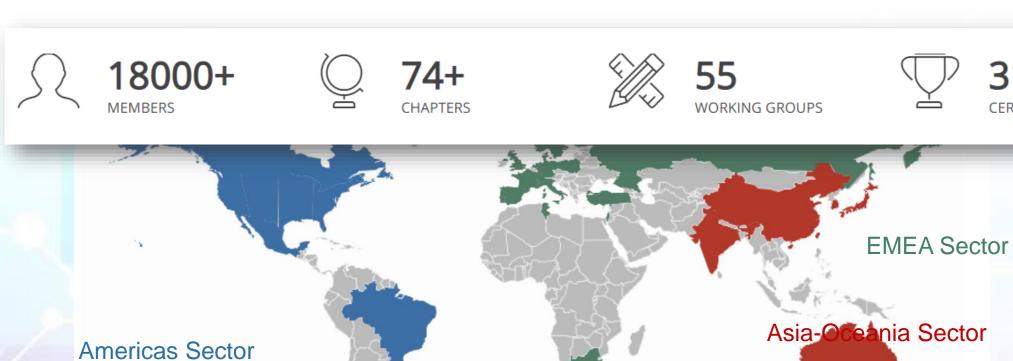
INCOSE

Vision, Mission & Goals

- Vision
 - A better world through a systems approach.
- Mission
 - To address complex societal and technical challenges by enabling, promoting, and advancing Systems Engineering (SE)and systems approaches.
- Goals
 - Be a focal point for dissemination of systems engineering knowledge
 - Promote international collaboration
 - Assure the establishment of professional standards in systems engineering
 - Improve the professional status of all Systems Engineers
 - Encourage governmental and industrial support for System Engineering
- Visit https://www.incose.org/about-incose to view the vision, mission and goals



INCOSE INCOSE Reach



3182

CERTIFIED



Values & Principles

- INCOSE Values
 - Systems Thinking
 - Pioneering and Innovation
 - Learning and Development
 - Respect, Diversity, Collaboration
 - Individuals
 - Volunteerism

- INCOSE Principles
 - Impact
 - Partnership
 - Holism
 - Differentiation
 - Volunteers



INCOSE Organization

- INCOSE is an organization of volunteers who have a passion and desire to forward systems engineering
- The INCOSE Board of Directors (BoD) leads on the INCOSE strategy and policies.
 - The BoD leadership is available at https://www.incose.org/about-incose/leadership-organization



INCOSE Organization chart - https://www.incose.org/about-incose/incose-organization-chart



Our Members Improve the World





74+
CHAPTERS



55 WORKING GROUPS



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- INCOSE membership represents a broad spectrum from student to senior practitioner, from technical engineer to program and corporate management, from science and engineering to business development.
- Members work together to advance their technical knowledge, exchange ideas with colleagues, and collaborate to advance systems engineering.
- Our members:
 - drive the discipline forward, developing state-of-the-art solutions and products for their customers.
 - solve real-world problems and save time and money in the process.
 - improve system performance, drive change, and make a lasting impact on the world of systems engineering.
- Visit the New Member page (https://www.incose.org/about-incose/new-in-incose) on the INCOSE website