



# 2022

Annual **INCOSE**  
international workshop

**HYBRID EVENT**

**Torrance, CA, USA**  
Jan 29 - Feb 1, 2022

## **WORKSHOP GUIDE**

**The event of the year**  
for systems engineers to contribute  
to the state of the art

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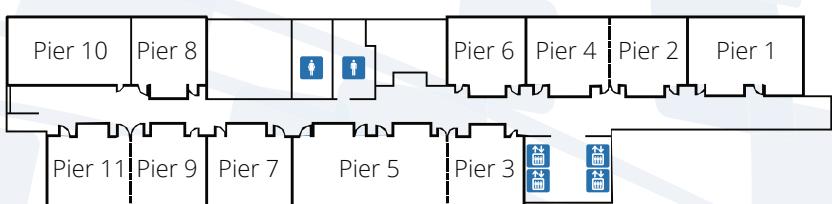
# Maps



Lobby Level



Lower Level



Level 2

# General Information

PLEASE WEAR YOUR BADGE AT ALL TIMES - IT PROVIDES ADMISION - TO THE WORKSHOP PROGRAM, EVENTS AND MEALS.

## Registration

The IW registration desk is located on Lobby Level and is open:

- Friday: 08:00 to 17:00
- Saturday to Monday: 07:00 to 17:00
- Tuesday: 07:30 to 14:30

## Meeting rooms

Meeting rooms are located on lobby level, lower level, 2nd floors. Please see the hotel meeting facilities map on page 3. Opening and closing plenaries will take place in Salon D-E on Lobby Level.

## Ad hoc meetings

Check at the INCOSE registration desk for available meeting rooms.

## Unused meeting space

If you have to cancel a scheduled meeting or use less time than originally planned, please leave a message at the IW registration desk. Meeting space is limited and there are groups who may need the room. Rooms found empty during scheduled time may be reassigned without notice.

## Breakfast

Breakfast will not be provided. If you are staying at the Torrance Marriott Redondo Beach Hotel, breakfast for one person is included in the room rate and will be served at the hotel restaurant from 06:00 to 08:00.

## Breaks and Lunches

Morning and afternoon breaks will be served in the Ballroom Foyer. Morning breaks are from 10:00 to 10:30 Saturday, Sunday, Monday and Tuesday. Afternoon breaks from 15:00 to 15:30 Saturday, Sunday and Monday.

Buffet lunches will be served from 12:00 to 13:00 in Lighthouse Ballroom – Lobby Level.

*Please be informed that lunches and coffee breaks are not provided for guests.*

### WIFI Connection

To connect to the internet, please use the wifi network

SSID name: **IW2022**

Password: **INCOSE2022**

## **First-Time Attendees Session**

Lighthouse Ballroom – Lobby Level  
Saturday, 25 January - 10:00 - 10:30

New to the International Workshop? Learn how to make the most of this unique event as you enjoy coffee with seasoned INCOSE members ready to share their insights.

Take advantage of this special opportunity to make new connections across the systems engineering community and have some fun as you gain insights into the workshop and how INCOSE can help advance your career.

## **Receptions**

### **The MBSE Reception**

Village Green- Lobby Level  
Sunday, 26 January - 18:00 - 19:00

### **The Closing Reception and Working Group Market Place**

Lighthouse Ballroom – Lobby Level  
Tuesday, 28 January - 16:00 - 18:30

## **Market Place Posters**

All Working Group Chairs are required to update their WIS (Working Group Information Sheet) no later than noon on Tuesday, 28 January.

## **App**

Flash the QR code below or connect to the workshop website with your smartphone or tablet and you will receive instructions how to download the app for Apple or Android devices.



# Welcome to 2022 INCOSE INTERNATIONAL WORKSHOP (IW2022)

This guide is created to help new and established members get more out of the technical activities at IW2022 by providing an overview of the meetings planned during the Workshop. In addition, this guide provides practical information on current activities and related points of contact as a reference after you return to the workplace.

We encourage you to proactively engage in INCOSE. Our intent is to operate in an open, transparent manner. A great deal of information about what our organization, working groups and members are doing will be at your fingertips. It's up to you to choose the topics of greatest interest to you. The Plenary Sessions, Town Halls, and Market Place are examples of meetings that will give you overviews of many topics. Also, there will be specific meetings on various domains, processes and enabling skills to choose from. While the printed schedule will show many of the meetings, the IW2022 App and online meeting schedule will have the most up to date list of meetings planned.

Please use this workshop as an opportunity to introduce yourself to us and the entire Technical Operations team during the various technical meetings, coffee breaks, lunches and social events. We want to hear about your interests, points of view and perspectives so that we can serve you better.

To that end we have provided an online tool for your suggestions in the help desk and we will send you a quick email survey after IW2022. Please take advantage of these tools so that we can manage your suggestions in an organized way. As a member-driven organization, INCOSE is you and we are INCOSE. Please consider volunteering to help with a project, lead a team or participate in the governance of our society. You can make a difference!

The annual IW event is always a great place to exchange ideas on technical activities and work together for the benefit of the global systems engineering community. We hope these days will exceed your expectations through very fruitful exchanges and that you will have a pleasant time in the Torrance area.

**Christopher Hoffman**, INCOSE Technical Director  
**Oliver Dessoude**, Deputy Technical Director

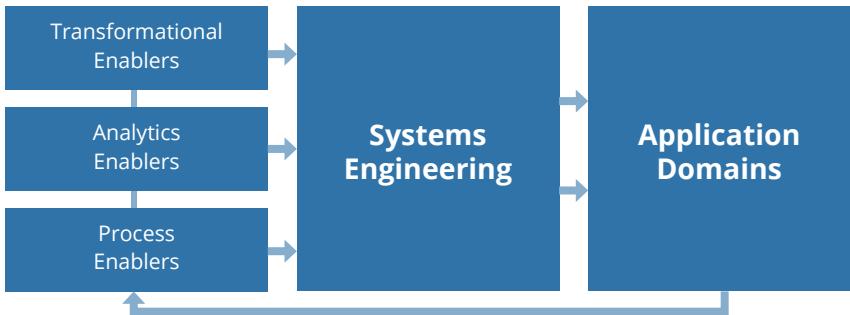
# Technical Operations

As per INCOSE policy TEC-100, the INCOSE Technical Operations (TechOps) organization includes all members who are involved in TechOps activities such as Working Groups (WGs), Initiatives and the governance of each. The primary objective of TechOps is to advance world-class systems engineering through activities that relate to all facets of systems engineering across all sectors of application. WGs are primarily formed from the ground-up based on a group of members with a common passion to collaborate on like topics. Initiatives are primarily formed from the top-down based on strategic goals and unmet needs of our society. (For more information on INCOSE policies refer to [www.incose.org/about-incose/policies-and-bylaws](http://www.incose.org/about-incose/policies-and-bylaws))

TechOps, like any organization, has a purposeful structure which we call our TechOps Matrix. In line with the Systems Engineering Handbook (SEH) v4, as well as statements in the SE Vision 2035 (both available in the INCOSE online bookstore), our WGs are grouped into Application Domains and Enablers. Enablers are further grouped into Process, Analytic and Transformational Enablers.

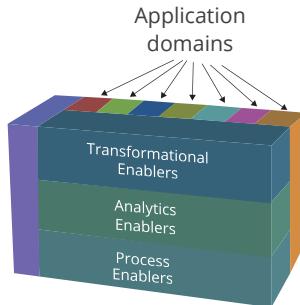
- Process Enablers are the WGs that address the technical and management processes defined in the SEH and ISO/IEC/IEEE 15288:2015. Among others, the Process Enablers consist of WGs like Architecture, Measurement, Risk Management, and Requirements.
- Analytic Enablers are those WGs that address the SEH v4 that focus on the analytic capabilities required for good Systems Engineering or for Specialty Engineering activities. Examples of WGs in this grouping are: Decision Analysis, System of Systems, Product Line Engineering, and Complex Systems.
- Transformational Enablers are leading the way to future developments of Systems Engineering. These WGs and Initiatives mainly focus on transforming Systems Engineering into a model-based discipline. Examples of Initiatives and WGs are: MBSE Patterns, Model-Based Conceptual Design, Digital Engineering Information Exchange (DEIX), and Lean Systems Engineering.
- The Application Domain Specific Working Groups are the working groups that tailor and develop knowledge from/for the Process Enablers, Analytic Enablers and Transformational Enablers, to the domain specific needs and the application. Examples of these WGs are: Healthcare, Transportation, Oil and Gas, and Telecommunications.
- TechOps Initiatives are chartered by INCOSE leadership to achieve visions, objectives and missions as needed. A champion is assigned to lead these efforts with the help of other volunteer members with a passion to make a significant difference.

A graphical representation of the key relationships between these groups is given in the figure below:



This figure shows that the Process Enablers, Analytic Enablers and Transformational Enablers define Systems Engineering. Systems Engineering, in-turn, is being applied in various Application Domains. Lessons Learned and new insights from these Application Domains will be fed back into the Enabler's activities and contribute to Systems Engineering.

A high-level TechOps Matrix is shown in the figure below:

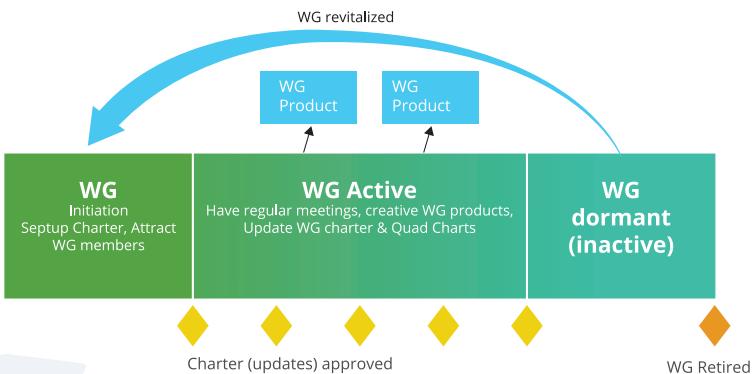


The full TechOps Matrix can be found on the INCOSE website. The Assistant Directors who form the governance of TechOps together with the Technical Director and Deputy, are listed in that webpage. Please have a look at: [www.incose.org/incose-member-resources/working-groups](http://www.incose.org/incose-member-resources/working-groups)

While setting up this organizational structure for TechOps, we not only organized the grouping of the WGs and Initiatives, but also developed a TechOps Culture Statement and evaluated our objectives, the Operational requirements, the Working Group and Governance functions, the Product and Working Group Life-cycles as well as our interfaces to other INCOSE internal and external bodies.

Within TechOps we share the following additional beliefs:

- We apply Systems Engineering to what we do and how we do it.
- We are all volunteers, so we back up each other and actively recruit new volunteers to support our efforts.
- We strive to deliver what we promise at a high level of quality.
- Systems Engineering practitioners are our customers.
- We are servant leaders, removing barriers while following the intent of INCOSE policy.
- We apply INCOSE values and principles when setting our priorities.
- We are evolving to an impactful professional society.



The Assistant Directors within TechOps are assigned specific areas of the TechOps Matrix to lead and govern. These leaders work to identify, prioritize and initiate technical activities within their assigned area considering the input from key stakeholders including the Technical Director, members of the Board of Directors, other Assistant Directors, relevant TechOps members, representatives from the Corporate Advisory Board and the Industry Outreach Board.

Working Group Chairs are assigned to specific Assistant Directors and the corresponding area within the TechOps Matrix. Consequently, Working Groups are grouped together by the groupings available within the TechOps Matrix. The Working Group Chairs work to identify, prioritize and initiate technical activities within their assigned area with primary input from the Working Group members as well as the guidance and assistance from the assigned Assistant Directors who represent many other stakeholders to the Working Groups. The life-cycle of the WGs are visualized in the above figure.

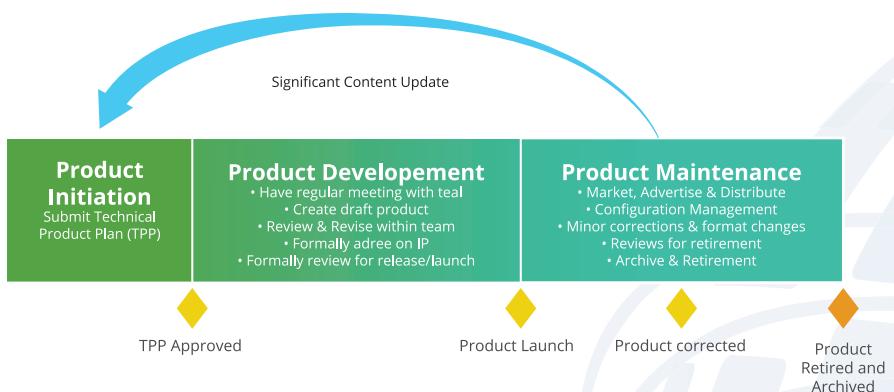
With this life-cycle representation, the following four life cycle stages have been identified:

- Initiation
- Active
- Dormant
- Retired

As per policy TEC-101 our INCOSE Technical Product is Systems Engineering information which has been properly INCOSE branded, sufficiently reviewed by INCOSE for technical content and INCOSE principles, cleared for intellectual property and then offered by INCOSE to anyone other than the authors to consume or learn from either for free or for a price. Either INCOSE owns the copyright, or the author(s) have given permission for INCOSE to use. For more information on the development of an INCOSE technical product refer to procedure TEC-PROC-02.

Like the Working Groups, the life cycle of INCOSE products has been formalized. The figure below indicates the following stages in the life cycle of the technical products:

- Initiation
- Development
- Maintenance
- Retired / Archived



As INCOSE members, WGs, Initiatives and the TechOps leadership continue to work with this structure and life cycles, we will surely learn from using it. We expect to apply these lessons to help evolve and mature the structure as needed. If you have any suggestions to further improve TechOps, please make sure the TechOps leadership is informed about your ideas.

# INCOSE'S Technical Activities for 2022

The vast majority of IW2022 participants have one thing in common – they are systems thinkers. For most, the technical activities of the organization are therefore of interest – whether as a participant, or as a user of the results. Those who participate in working groups (WGs), technical initiatives, or other technical activities commonly cite this participation as one of their best learning experiences. While many of the working group names are self-explanatory, not all are. In addition, most working groups cover their specific area of interest in both a broad and deep fashion. WGs have a Working Group Showcase page on the IW2022 event app, a formal WG charter, and websites which will give you contact information and will help you to quickly understand your potential interest for each.

There's plenty of possibilities to get in touch: reach out to WG Chairs, look in the WG Showcase to learn about a WG, join a WG meeting, and spark discussions during breaks and receptions. To further assist your explorations, visit the Plenaries, Town Halls, and Working Group Market Place to learn more about the diversity of work taking place inside INCOSE.

See the list of WGs on the following pages and the Working Group Information Sheets on our website at [www.incose.org/incose-member-resources/working-groups](http://www.incose.org/incose-member-resources/working-groups)

## Application Domains (Carl Landrum, Assistant Director)

WG Name	WG Chairs
Automotive	<i>Alain Dauron / Gary Rushton</i>
Critical Infrastructure Protection and Recovery	<i>Daniel Eisenberg / John Juhasz / Anthony Adebonojo</i>
Defense Systems	<i>Karl Geist</i>
Financial Services and Systems	<i>Gina Guillaume-Joseph / Bradford Leigh</i>
Healthcare	<i>Chris Unger / Bob Malins</i>
Infrastructure	<i>Alain Kouassi / Laura Uden / Marcel van de Ven</i>
Power and Energy Systems	<i>Ray Beach / John Juhasz</i>
Systems Engineering in Early Stage Research and Development	<i>Ann Hodges / Michael DiMario / Heidi Hahn / Nicholas Lombardo</i>

Space Systems	<i>David Kaslow / Alejandro Levi</i>
SySTEM	<i>Bill Chown</i>
Telecommunications	<i>John Risson / Daniel Spencer / Susan Ronning</i>
Transportation	<i>Dale Brown</i>

## **Analytic Enablers (Jimmie McEver, Assistant Director)**

<b>WG Name</b>	<b>WG Chairs</b>
Competency	<i>Cliff Whitcomb / Lori Zipes</i>
Complex Systems	<i>Michael Watson / Ali Raz / Michael Do</i>
Decision Analysis	<i>Frank Salvatore / Greg Parnell</i>
Human Systems Integration	<i>Guy Boy / Grace Kennedy</i>
Natural Systems	<i>Curt McNamara / Randy Anway / Alex Wolf</i>
Product Line Engineering	<i>Rowland Darbin / Drew Stovall</i>
Resilient Systems	<i>Ken Cureton / John Brtis</i>
Systems of Systems	<i>Judith Dahmann / Alan Harding</i>
System Safety	<i>Duncan Kemp / Meaghan O'Neil / Russell Kubycheck</i>
Systems Security Engineering	<i>Rick Dove / Beth Wilson / Keith Willett</i>
Training	<i>Gabriela Coe / John Clark</i>

## **Process Enablers (Bob Swartz, Assistant Director)**

<b>WG Name</b>	<b>WG Chairs</b>
Architecture	<i>Richard Martin / Jean-Luc Garnier / Anand Kumar / Rolf Siegers</i>
Configuration Management	
	<i>Adriana D'Souza / Dale Brown / Alek Przybylo / Aryes Lahiry</i>
Integration, Verification and Validation	<i>Jim Armstrong / Russell Kubycheck</i>
Measurement	<i>Paul Frenz</i>
PM-SE Integration	<i>Jean-Claude Roussel / Tina Srivastava / John Lomax</i>
Requirements	<i>Tami Katz / Lou Wheatcraft / Mike Ryan</i>
Risk Management	<i>Jack Stein / Bob Parro</i>
Systems Engineering Quality Management	<i>Barclay Brown / Bill Scheible</i>

## **Transformational Enablers (Phyllis Marbach, Assistant Director)**

<b>WG Name</b>	<b>WG Chairs</b>
Agile Systems and Systems Engineering	<i>Rick Dove / Ron Lyells / Larri Rosser / Keith Willett</i>
Artificial Intelligence	
	<i>Tom Shortell / Tom McDermott / Barclay Brown / Ali Raz</i>
Digital Engineering Information Exchange	<i>Sean McGervey</i>
	<i>Tamara Hambrick / Terri Chan / Celia Tseng / Frank Salvatore / Chris Schreiber</i>

Enterprise Systems	<i>Kevin Nortrup / Tom McDermott</i>
Knowledge Management	<i>Robert Nilsson / Jean Duprez</i>
Lean Systems Engineering	<i>Arthur Hyde</i>
MBSE Patterns	<i>Bill Schindel / Troy Peterson</i>
NAFEMS-INCOSE System Modelling and Simulation	<i>Peter Coleman / Frank Popielas</i>
Object-Oriented SE Method	<i>Howard Lykins / Loren Walker</i>
Process Improvement	<i>Jeffrey Brown / John Clark</i>
Professional Competencies and Soft Skills	<i>Sean McCoy / Cliff Whitcomb</i>
Small Business SE	
	<i>Angela Robinson / Ken Ptack / Claude Laporte / Rudiger Kaffenberger</i>
Social Systems	<i>Erika Palmer / Randy Anway</i>
Systems Engineering Tools Database	<i>John Nallon / Stephane Lacrampe / Rene King</i>
Systems Science	<i>Javier Calvo-Amodio / James Martin / Swami Natarajan / Anh Tong</i>
Systems-Software Interface	<i>Jeannine Siviy</i>
Tools Integration and Model Lifecycle Management	<i>John Nallon</i>

## Other Groups and Initiatives

Initiative/Objective	Assistant Directors/Champions
Empowering Women Leaders in SE	<i>Alice Squires / Erika Palmer / Stueti Gupta / Lisa Hoverman</i>
Model-based SE (MBSE) Initiative	<i>Mark Sampson</i>
Smart Cities Initiative	<i>Jenn Russell / Marcel van de Ven</i>
Value Proposition Initiative	<i>Juan Amenabar</i>
Products Value Stream (Impactful Products Committee)	<i>Chris Hoffman</i>
Standards Development Department	<i>Richard Martin / Daniel Siegl</i>

In addition, new working groups form when an area of interest and exploration is expressed and pursued by members. For instance, the SySTEM WG was started this year focused on promoting INCOSE unique interactions with the global STEM and related education communities while Gina Guillaume-Joseph and Bradford Leigh are leading an emerging Financial Systems WG. Please reach out to the Technical Director, Deputy Technical Director or Assistant Directors if you have a group of members interested in a new area of interest.

## Coordination of Technical Operations

Achieving INCOSE's mission requires coordinated operations that can anticipate and respond to the needs of all INCOSE stakeholders. Impactful information is shared via technical events, products, interactions among stakeholders (e.g.,

Working Groups and Initiatives), and collaboration repositories. Each of these efforts have been directed, led, and deployed by the following members in 2021:

*Richard Martin*, Assistant Director for the Standards Development Department  
*Daniel Siegl*, Deputy Assistant Director for the Standards Development Department  
*Jimmie McEver*, Assistant Director for Analytic Enablers  
*Carl Landrum*, Assistant Director for Application Domains  
*Bob Swartz*, Assistant Director for Process Enablers  
*Phyllis Marbach*, Assistant Director for Transformational Enablers  
*TJ Ferrell*, Assistant Director for Technical Review  
*Krystal Porter*, Deputy Assistant Director for Technical Review  
*Masood Ahmed*, Assistant Director for Technical Information  
*Lori Zipes*, Deputy Assistant Director for Technical Information  
*Nehal Patel*, Assistant Director for Technical Events  
*N.N.*, Deputy Assistant Director for Technical Events  
*Bill Scheible*, Assistant Director for Internal Operations  
*Eric Burgers*, Assistant Director for Working Group Integration

In summary, to achieve our objectives, Technical Operations recognizes that:

- We need analytics enablers, process enablers, and transformational enablers for the practice of Systems Engineering to be applied to application domains
- The Technical Initiatives and Value Streams are strategically formed to develop the state-of-the-art practice of Systems Engineering and meet the unmet needs of our stakeholders
- We depend on the coordinated efforts of our volunteers like you to meet all our objectives

To see how you can get more involved in Technical Operations reach out to a WG Chair, Assistant Director, Deputy Technical Director or the Technical Director. Feel free to send any related questions to Chris Hoffman at christopher.hoffman@incose.net and Olivier Dessoude at olivier.dessoude@incose.net

## Frequently Asked Questions

### **There Is so much to do, what should my working group focus upon during IW?**

One of the key activities at IW is for your WG to discuss ideas and develop plans for the coming year with the group and then share those plans. A common source of needs for WGs to address may originate from the Corporate Advisory Board (CAB), gaps in our product portfolio, and other priorities shared during IW. During the IW, existing and new Working Group Charters must be reviewed

and updated before the close of the IW. These updates are also expected to be reflected in the WG Information Sheets so that all INCOSE members are aware of the scope, depth and focus of all the WG activities. The WG Chair should be prepared to summarize the WG activities during the year, and present at the closing session of the IW.

**I am a new SE (or just new to INCOSE) so I feel I don't have much to contribute ?**  
Everyone can contribute! Less experienced members bring a fresh perspective, new ideas to share and new challenges that INCOSE wants to help resolve.

## Notes

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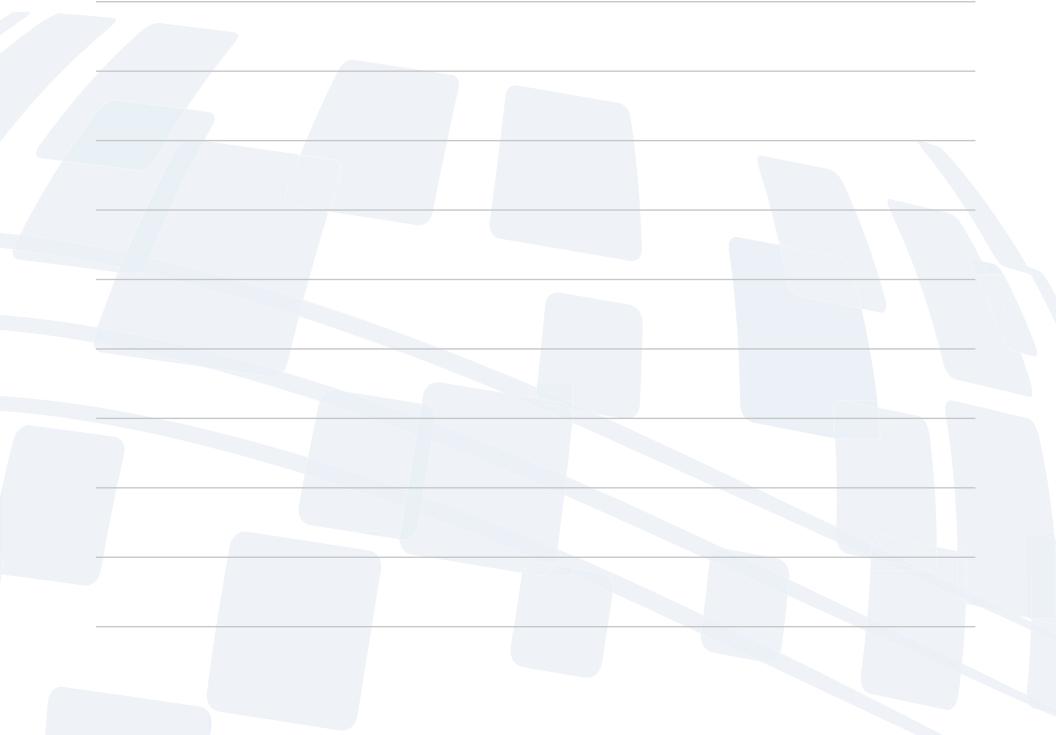
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# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Agile Systems & SE WG General Meeting - <i>Rick Dove</i>	Sun, 30 Jan	13:00	15:00	Open/WS*	Pier 1	Intro to the working group, a review of current project status, proposed new projects, and general discussion.
Architecture Working Group meetings - <i>Anand Kumar, Jean-Luc Garnier MBSE</i>	Sat, 29 Jan	14:00	16:30	Open/WS*	Pier 2+4	This is preliminary agenda that is awaiting confirmation from different presenters. The agenda may have last minute changes. Day 1 : (29th Jan 2022 - Open session - 14:00 to 16:30 PST (23:00 to 01:30 CET, 03:30 to 06:00 IST)) 1) Discussion on ISO/IEC 30141 - IoT Reference Architecture (Ken Crowder - 60 mins, awaiting confirmation)2) Discussion on Digital Twins (Jean-Luc Garnier - 30 mins)3) Any other Topic (30 mins)4) 30 min Tea-break (15:00 to 15:30 PST) Day 2 : (30th Jan 2022 - Open session - 14:00 to 16:30 PST (23:00 to 01:30 CET, 03:30 to 06:00 IST))1) How to consider Architecting and MBSE related standards for improvement of Digital Transformation (AFNOR/AFIS/AFNet - 30 mins)2) Discussion on Architecture Webinars (Anand Kumar - 30 mins)3) Architecture Track of FMEA workshop (Jean-Luc Garnier - 45 mins)4) Any other Topic (15 mins)4) 30 min Tea-break (15:00 to 15:30 PST)Day 3 : (31st Jan 2022 - Open session - 14:00 to 16:30 PST (23:00 to 01:30 CET, 03:30 to 06:00 IST)) 1) Discussion on Guide to ISO/IEC/IIEEE 42020 - Architecture Processes (Anand Kumar - 30 mins)2) Discussion on ISO/IEC/IIEEE 42010 - Architecture Description (Jean-Luc Garnier - 30 mins)3) Chapter Presentations by INCOSE - UK, AFIS, India (Tim/jean-Luc/Anand - 45 mins)4) Any other Topic (15 mins)4) 30 min Tea-break (15:00 to 15:30 PST) Day 4 : (1st Feb 2022 - Open session - 08:00 to 10:00 PST (17:00 to 19:00 CET, 21:30 to 23:30 IST)) 1) Discussions on ArchWG future work (Anand Kumar/Jean-Luc Garnier - 30 mins)2) Discussions on Final presentation for INCOSE Market place (Anand Kumar/jean-Luc Garnier - 30 mins)3) Any other Topic (1 hour)
	Sun, 30 Jan	14:00	16:30	Open/WS*	Pier 2+4	
	Mon, 31 Jan	14:00	16:30	Open/WS*	Pier 2+4	
	Tue, 01 Feb	08:00	10:00	Open/WS*	Pier 2+4	
Asia Oceania Sector Directors meeting - <i>Serge Landry</i>	Mon, 31 Jan	15:30	17:00	Open/WS*	Pier 8	Asia Oceania Sector related discussionsParticipant get a chance to share their viewsSome information update from INCOSE CentralSuggestions for improvements, Question and Answers
Automotive Working Group Session - <i>Gary Rushion, Alain Dauron</i>	Mon, 31 Jan	08:00	10:30	Open/WS*	Pier 6	2021 Automotive Working Group end of year report out (30 min)2022 Automotive Working Group Projects and plans (30 min)Automotive Working Group/Autosar Collaboration (30 min)Student Projects Presentation (30 min)SE, Safety, and CyberSecurity Presentation (30 min)
BKCASE Governing Board Meeting - <i>Art Pyster</i>	Sun, 30 Jan	10:30	12:00	Open/WS*	Hideaway	The Board of Governors will review progress, plans, budget, and other considerations for 2020 and beyond.

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Board of Directors Meeting - <i>Marilee Wheaton</i>	Sun, 30 Jan	12:00	17:30	Closed	Pier 5	
Budget & Planning - <i>Mike Vinarcik</i>	Mon, 31 Jan	09:00	10:00	Closed	Pier 1	
Category Theory Consortium Formulation - <i>Michael Watson, Javier Calvo-Amadio</i>	Tue, 01 Feb	10:00	12:00	Closed	Pier 3	Joint session to discuss a Consortium on Category Theory with National Institute of Science and Technology (NIST).
Chapter Leader training - <i>Renee Steinwand</i>	Mon, 31 Jan	13:00	15:00	Open/WS*	Salon A	
<b>Closing Plenary -</b> <i>Christopher Hoffman, Olivier Dessaoude</i>	Tue, 01 Feb	15:00	16:00	Open	Salon D	
<b>Closing Reception and Working Group Market Place</b>	Tue, 01 Feb	16:00	18:30	Ticket Required	Lighthouse Ballroom	In addition, you are cordially invited to attend the Closing Reception on Tuesday afternoon. The closing reception will be held at the Torrance Marriott Redondo Beach on Tuesday, 28 January 2020 from 1600 to 1830. Tickets for guests are available for purchase at \$30 per person.
Comms Networks as Critical Infrastructure - <i>Susan Ronning</i>	Sun, 30 Jan	14:00	15:00	Open/OS*	Pier 6	Our society is reliant on information sharing, in the form of data or voice, between people and things. Without it, work stops. Even short duration network outages can result in chaos. Communications Networks underpins society as we know it. Systems engineers inevitably interface with IT - OT - Telecom - Comms,... whatever you call it, it has all converged. Join the Telecommunications Working Group to help *get the word out* about what are comms networks - and how we should understand and treat them as systems.

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Configuration Management Working Group - <i>Aleksandra Przybylo, Dale Brown, Ariyes Lahiry</i>	Tue, 01 Feb	09:00	12:00	Open/WS*	Pier 6	Agenda for the day (15 min break half way through) review of roles and changes - and step-downs any opening positions review and update of WG Charter review the topics we have been working on and progress -> decision to continue or stop propose new topics and appoint leaders to the topics plan for meetings in 2022 based on the topics proposed
Corporate Advisory Board Meeting - <i>Ron Giachetti, Donald M. York</i>	Sat, 29 Jan	10:30	17:00	Closed	Salon D	
Corporate Advisory Board Workshops - <i>Ron Giachetti, Donald M. York</i>	Sun, 30 Jan	09:00	12:00	Closed	Salon D	
Creating your Chapter strategic and operating plans - <i>Renee Steinwand</i>	Mon, 31 Jan	10:00	12:00	Open/WS*	Pier 3	
Critical Infrastructure Protection & Recovery Workshop - <i>Daniel Eisenberg</i>	Sat, 29 Jan	10:30	12:30	Closed	Pier 5	Business meeting for admin and management of INCOSE CIPR WG. This meeting is restricted to INCOSE CIPR Leadership. Please contact daniel.eisenberg@nps.edu to attend. Please see passcode provided below. Topic: CIPR WG - INCOSE IW Call-in Time: This is a recurring meeting. Meet anytimejoin Zoom Meeting <a azzepcujoin"="" href="https://incose-org.zoom.us/j/91326068478?pwd=XpmndGVLV2NkXxdLUmRDakJdk1qUT09MeetingID:91326068478Passcode:268927One tap mobile+16699006833,91326068478#,*268927# US (San Jose)+12532158782,91326068478#,*268927# US (Tacoma)Dial by your location +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) +1 346 248 7799 US (Houston) +1 301 715 8592 US (Washington DC) +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) 877 853 5257 US Toll-free 888 475 4499 US Toll-freeMeeting ID:91326068478Passcode:268927Find your local number: &lt;a href=" https:="" incose-org.zoom.us="" u="">https://incose-org.zoom.us/u/azzEPcujoin</a> by Skype for Business https://incose.org/skype/91326068478

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Critical Infrastructure Protection & Recovery Workshop - <i>Daniel Eisenberg</i>	Sun, 30 Jan	10:00	12:00	Open/WS*	Pier 10	Invited speakers to discuss critical infrastructure systems modeling. Planned speakers from US Department of Homeland Security Infrastructure Data Taxonomy team. More information provided closer to workshop date. Please contact daniel.eisenberg@nps.edu for more information. Please see passcode provided below. Topic: CIPR WG - INCOSE IW Cal-IntTime: This is a recurring meeting Meet anytime,join Zoom Meeting <a href="https://incose-org.zoom.us/j/91326068478#pwd=SXpmndGVlV2NkVXdLUmRDakjXdk1qUT09MeetingID:91326068478#_=_">https://incose-org.zoom.us/j/91326068478#pwd=SXpmndGVlV2NkVXdLUmRDakjXdk1qUT09MeetingID:91326068478#_=_</a> One tap mobile+16699006833,91326068478#,,*268927# US (San Jose)+12532158782,91326068478#,,*268927# US (Tacoma)Dial by your location +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) +1 346 248 7799 US (Houston) +1 301 715 8592 US (Washington DQ) +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) 877 853 5257 US Toll-free 888 475 4499 US Toll-freeMeeting ID:91326068478Passcode: 268927Find your local number: <a href="https://incose-org.zoom.us/u/azzEPcjoin by Skype for Business">https://incose-org.zoom.us/u/azzEPcjoin by Skype for Business</a> <a href="https://incose.org/skype/91326068478/">https://incose.org/skype/91326068478/</a>
	Sun, 30 Jan	13:00	17:30	Open/WS*	Pier 10	CIPR WG Model-based Systems Engineering Workshop. Planned speakers from CIPR WG More information provided closer to workshop date. Please contact daniel.eisenberg@nps.edu for more information. Please see passcode provided below. Topic: CIPR WG - INCOSE IW Cal-IntTime: This is a recurring meeting Meet anytime,join Zoom Meeting <a href="https://incose-org.zoom.us/j/91326068478#pwd=SXpmndGVlV2NkVXdLUmRDakjXdk1qUT09MeetingID:91326068478#_=_">https://incose-org.zoom.us/j/91326068478#pwd=SXpmndGVlV2NkVXdLUmRDakjXdk1qUT09MeetingID:91326068478#_=_</a> One tap mobile+16699006833,91326068478#,,*268927# US (Tacoma)Dial by your location +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) +1 346 248 7799 US (Houston) +1 301 715 8592 US (Washington DQ) +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) 877 853 5257 US Toll-free 888 475 4499 US Toll-freeMeeting ID:91326068478Passcode: 268927Find your local number: <a href="https://incose-org.zoom.us/u/azzEPcjoin by Skype for Business">https://incose-org.zoom.us/u/azzEPcjoin by Skype for Business</a> <a href="https://incose.org/skype/91326068478/">https://incose.org/skype/91326068478/</a>
CSWG Heuristics Focus Team Results - <i>Michael Watson</i>	Mon, 31 Jan	08:00	10:00	Open/WS*	Salon A	Meeting of the CSWG Heuristics Focus Team joint with the Heuristics Team to review results of maturing complex system heuristics.
CSWG Kickoff and Primer Future Revisions - <i>Michael Watson</i>	Sat, 29 Jan	13:00	15:00	Open/WS*	Salon A	Kick off session of the Complex Systems Working Group and initial framing of the long term comments received on the Complexity Primer.

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
CSWG Primer Future Plans Action Plan - <i>Michael Watson</i>	Mon, 31 Jan	13:00	15:00	Open/WS*	Salon B	Meeting to formulate specific action plan to address challenging questions raised on complex systems leading to a future Complexity Primer update.
Decision Analysis Working Group - <i>Frank Salvatore, Greg Parnell</i>	Sun, 30 Jan	15:00	17:00	Open/WS*	Pier 6	Review the status of the DEWGDefine and Select products to work on.
Digital Engineering Body of Knowledge - <i>Frank Salvatore</i>	Mon, 31 Jan	15:00	17:00	Open/WS*	Pier 6	Review the status of the DEWGDefine and Select products to work on.
Digital Engineering Body of Knowledge - <i>Frank Salvatore</i>	Mon, 31 Jan	13:00	15:00	Open/WS*	Pier 5	The Digital Engineering Body of Knowledge (DEBoK) sponsored by the Department of Defense, has launched their BETA version and would like to engage the INCOSE Community to vet their plans to guide their next phase of development. The workshop will cover some of the following topics;ideas to encourage content submissions and community engagement in the DEBoK,Courses of Action (COA) to transition the DEBoK from a currently-restricted environment for DoD, to public, in an effort to include a wider audienceDEBoK Governance approach regarding the strategy, technology, content and roles of Government, Academia, Industry, and Non-Profit,Sponsorship, maintenance, and sustainment plans for the DEBoK Methods to encourage sharing of knowledge and navigating the often sensitive considerations around IP Participants will serve as an important voice to shape the plans of the DEBoK as it moves from BETA to Full Operational Capability (FOC). Please join us and make your voice heard.
	Tue, 01 Feb	08:00	09:00	Open/WS*	Pier 5	
	Tue, 01 Feb	10:00	12:00	Open/WS*	Pier 5	
Digital Engineering Information Exchange	Sat, 29 Jan	10:30	12:00	Open/OS*	Pier 1	To do final planning and coordination for the DEIXWG meetings.
<i>Frank Salvatore, Terri Chan, Sean McGervy, Celia Tsang</i>	Sat, 29 Jan	14:30	17:30	Open/WS*	Pier 1	In this meeting the Digital Information Exchange Working group will work on products such as Digital Engineering Information Exchange Standards, Digital Engineering Information Exchange Concept Model, Digital Engineering Information Exchange Use Cases
	Sun, 30 Jan	10:00	12:00	Open/WS*	Pier 1	
	Mon, 31 Jan	10:00	12:00	Open/WS*	Pier 1	

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting days(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Digital Engineering Measurements - <b>Frank Salvatore</b>	Sun, 30 Jan	13:30	15:30	Open/WS*	Salon H	Overview of the Digital Engineering Measurements FrameworkReview and comment on the Digital Engineering Measurements Framework product.
EMEA sector chapter leaders meeting - <b>Sven-Olaf Schulze</b>	Mon, 31 Jan	13:00	15:00	Open/WS*	Salon H	Overview of the Digital Engineering Measurements FrameworkReview and comment on the Digital Engineering Measurements Framework product.
EMEA sector chapter leaders meeting - <b>Sven-Olaf Schulze</b>	Sat, 29 Jan	10:30	12:00	Open	Pier 6	
Emergence in Complex Systems - <b>Michael Watson</b>	Sat, 29 Jan	15:30	17:30	Open/WS*	Pier 5	Joint Session with Systems of Systems Working Group to discussion emergence in systems of systems..
Events - <b>Donna Long</b>	Tue, 01 Feb	09:00	10:00	Closed	Pier 3	
Events - IS2022 Update - <b>Donna Long</b>	Sun, 30 Jan	10:30	12:00	Closed	Pier 3	
Events - IS2023 Meeting - <b>Donna Long</b>	Mon, 31 Jan	08:00	09:00	Closed	Pier 3	
Events core planning committee - <b>Donna Long</b>	Sat, 29 Jan	10:30	12:00	Closed	Pier 3	
Events core planning committee - <b>Donna Long</b>	Sun, 30 Jan	09:00	10:00	Closed	Pier 3	Strategy Meeting
Fellows Meeting - <b>Bob Kenley, Greg Parnell</b>	Mon, 31 Jan	07:00	08:00	Closed	Pier 3	Operations coordination
Fellows Meeting - <b>Bob Kenley, Greg Parnell</b>	Mon, 31 Jan	10:30	12:00	Closed	Pier 6	

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting days)	Start time	End time	Meeting Listing	Room	Meeting Description
Fellows Selection Committee - <b>Bob Kenley, Greg Parnell</b>	Sun, 30 Jan	10:30	12:00	Closed	Pier 6	
<b>First-Time Attendee Session - David Long</b>	Sat, 29 Jan	10:00	10:30	Closed	Lighthouse Ballroom	New to the International Workshop? Learn how to make the most this unique event as you enjoy coffee with seasoned INCOSE members ready to share their insights. Take advantage of this special opportunity to make new connections across the systems engineering community and have some fun as you gain insights into the workshop and how INCOSE can help advance your career.
Folding in nature and design - Curt McHamara, Dennis Tuckowski <b>MBSE</b>	Sat, 29 Jan	10:30	12:00	Open/WS*	Pier 11	Folding is common in natural systems and has many applications in design and SE
FUSE Security Topic - Review of INSIGHT Article Submissions - <b>Rick Dove</b>	Mon, 31 Jan	09:00	17:00	Open/WS*	Salon F	Approximately 13 articles to review on strict schedule; articles can be downloaded, authors make short presentation, live & remote audience offers comments and suggestions.
Future of Systems Engineering - Realizing the Systems Engineering Vision Workshop - <b>William Miller</b>	Sat, 29 Jan	13:00	17:00	Open/OS*	Salon BC	Zoom Session Registration Request: <a href="https://incose-org.zoom.us/meeting/register/tJwic06gjzwHNBtTnsWxZ_8QDlTjV4Z8Gp">https://incose-org.zoom.us/meeting/register/tJwic06gjzwHNBtTnsWxZ_8QDlTjV4Z8Gp</a> Detailed Meeting Agenda (To be Refined) 1300-1315 Welcome, Introductions, and Logistics (15 minutes) 1315-1330 Context for FUSE 1330-1345 Systems Engineering 2025 Roadmap/ 1345-1400 FUSE Projects Dashboard including Working Group & Systems Community Collaborations 1400-1415 FUSE Projects Coverage Matrix 1415-1445 Need for Additional FUSE Projects 1445-1500 Break 1500-1515 Framework Template 1515-1645 Framing the Vision Realization 1645-1700 Summary and Closing
	Sun, 30 Jan	09:00	12:00	Open/WS*	Salon BC	0900-0930 Review of Saturday Workshop Framing 0930-1130 Framing the Systems Engineering Vision Realization Round 2 1130-1200 Framing Summary and Close

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# Meeting by Group

Meeting Chairman	Meeting days(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Handbook Editor Meeting - <i>Dave Walden</i>	Sun, 30 Jan	08:00	12:00	Closed	Pier 7	Coordination and discussions on the INCOSE SE Handbook Fifth Edition
	Sun, 30 Jan	13:00	17:00	Closed	Pier 7	Coordination and discussions on the INCOSE SE Handbook Fifth Edition
	Mon, 31 Jan	13:00	17:00	Closed	Pier 7	Coordination and discussions on the INCOSE SE Handbook Fifth Edition
	Tue, 01 Feb	13:00	14:30	Closed	Pier 7	Coordination and discussions on the INCOSE SE Handbook Fifth Edition
Heuristics Team - <i>Dorothy McKinney</i>	Sun, 30 Jan	13:00	17:30	Open/WS*	Pier 9	Open House for INCOSE Heuristics -- Anyone in the INCOSE community interested in heuristics is welcome to drop in any time during this session. When not showing heuristics progress to the community members, the Heuristics Team will work on processing the collected heuristics candidates.
Honours & Awards Committee - <i>Ralf Hartmann</i>	Sun, 30 Jan	11:00	11:30	Closed	Pier 11	
HSI Primer Writing Workshop - <i>Grace Kennedy, Guy Andre Boy</i>	Tue, 01 Feb	10:00	12:00	Open/WS*	Pier 8	The aim of this workshop session is to continue the writing and discussions around the latest iteration of the HSI Primer, recent restructure of the content and future planning for events. This session will also involve IW summary and wash-up and setting of actions.
Human Systems Integration - <i>Guy Andre Boy</i>	Sat, 29 Jan	10:30	12:30	Open/WS*	Pier 7	This meeting will be divided into 2 parts: (1) General information on HSI[2021 activity report; exchange of ideas on HSI] - 90 minutes; (2) Work in progress on the HSI Primer - 90 minutes. We will have a break in between.
INCOSE MBSE Patterns Working Group - <i>William Schindel, Troy Peterson MBSE</i>	Sun, 30 Jan	14:00	15:30	Open/WS*	Pier 3	Preparation of future events: (1) HSI Primer delivery event; (2) HSI Workshop to be held in the Fall of 2022; (3) Anticipation of HSI2023 conference to be held in the Fall of 2023.
	Sun, 30 Jan	13:00	15:00	Open/WS*	Salon BC	Welcome and introduction to the MBSE Pattern Working Group's goals and focusIntroductions and interests of meeting participantsOverview of MBSE Patterns subject matter and relevanceStatus of current working group projects and activities; related Q&A and interestsDiscussion of additional and future interests of attendeesAdjourn
INCOSE Product Development and You - <i>Christopher Hoffman, Lori Zipes</i>	Mon, 31 Jan	08:00	09:00	Open	Salon D	

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# Meeting by Group

Meeting Chairman	Meeting days)	Start time	End time	Meeting Listing	Room	Meeting Description
INCOSE Social Systems Engineering, AI & Ethics Workshop - <i>Erika Palmer</i>	Mon, 31 Jan	08:00	10:00	Open/WSt	Salon C	Come join us to learn and apply ethical concepts in the lifecycle of AI systems!Outline of Workshop ProceedingsVirtual in person format: 2-hour Session1. [5 min] Outline of the session and stating session goals2. [20 min] Opening talk on the basics of ethics and analyzing AI systems in a sociotechnical systems perspective 3. [10 min] Discussion of questions for the team breakout sessions & exercise4. [55 min] Team breakout sessions with an exercise5. [45 min] Presentation of findings6. [5 min] Closing
Introduction to the Digital Systems Engineering Process model - <i>Jean Duprez, Robert Nilsson, Alexander Efremov</i>	Tue, 01 Feb	09:00	10:00	Open/WSt	Pier 8	Goal is to :- introduce the product to the audience. - gather use cases for the product development.
IS2022 Technical review - <i>Dave Walden</i>	Sat, 29 Jan Mon, 31 Jan Tue, 01 Feb	13:30 09:00 08:00	16:30 12:00 12:00	Closed Closed Closed	Pier 7 Pier 7 Pier 7	Finalization of IS2022 reviews and draft program Finalization of IS2022 reviews and draft program Finalization of IS2022 reviews and draft program
IT Strategy Meeting - <i>Barclay Brown</i>	Mon, 31 Jan	14:30	16:00	Closed	Pier 1	
WG 2022 Planning Meeting - <i>Alain Kouassi</i>	Mon, 31 Jan	10:00	12:00	Open/WSt	Salon H	Quad Chart and Plans for 2022
WG Product Development - <i>Alain Kouassi</i>	Sun, 30 Jan	13:00	16:00	Open/WSt	Pier 8	Progress on Guide for the Application of Systems Engineering in Large Infrastructure Projects
WG Strategy Meeting - <i>Alain Kouassi</i>	Sat, 29 Jan	15:00	17:30	Open/WSt	Pier 6	Year end review and discuss strategy for 2022

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Joint Session of CSWG and SosWG - <b>Michael Watson</b>	Mon, 31 Jan	10:30	12:30	Open/WS*	Pier 5	Joint session to discuss relationship of complex systems topics and system of systems topics.
KMWG - Presentation and status on achievements - <b>Jean Duprez, Robert Nilsson</b>	Sat, 29 Jan	10:30	12:00	Open/WS*	Pier 10	Introduction for new members>Status of work done/Plan for 2022
Knowledge Management Primer - <b>Jean Duprez, Robert Nilsson</b>	Sun, 30 Jan	10:30	12:00	Open/WS*	Salon H	Goal is to share draft, get feedback and work on the document improvement.
MBSE Initiative - <b>Troy Peterson, Mark Sampson</b>	Sat, 29 Jan	10:30	18:00	Open	Salon E	Please refer to the MBSE Agenda available at the registration desk
MBSE Reception - <b>Troy Peterson</b>	Sun, 30 Jan	09:00	18:00	Open	Salon E	Please refer to the MBSE Agenda available at the registration desk
Model Portfolio Management Guide Review - <b>Misak Zetilyan, John Nallon</b>	Tue, 01 Feb	08:00	10:00	Open/WS*	Salon A	The Model Portfolio Management (MPM) Guide final review and formatting for submittal. The guide defines the scope, purpose, tasks and products of model portfolio management.
NAFEMS-INCOSE SMS Community meeting - <b>Peter Coleman, Frank Popielas MBSE</b>	Tue, 01 Feb	09:00	12:00	Open/OS*	Salon A	The Model Portfolio Management (MPM) Guide final review and formatting for submittal. The guide defines the scope, purpose, tasks and products of model portfolio management.
					Pier 10	Provide overview of NAFEMS-INCOSE collaboration, SMSWG organization and activities including input to SF handbook Ed5, SMS terms & Definitions and special focus on SMS related standards including FMI and MoSSEC. Meeting will be held virtually, also inviting members from global SMS community to join. Meeting joining details to be confirmed via Zoom or WebEx

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# Meeting by Group

Meeting Chairman	Meeting days)	Start time	End time	Meeting Listing	Room	Meeting Description
Natural systems in product development and SE - <i>Curt McNamara, Alex Wolf, Dennis Tuckowski</i> <b>MBSE</b>	Sat, 29 Jan	13:00	14:30	Open/WS*	Pier 3	Applications of natural systems in product development and SE
<b>Opening Plenary - Kyle Lewis</b>	Sat, 29 Jan	08:00	10:00	Open	Salon DE	
OpenMBEE Open Workshop - <i>Myra Lotimore, Dan Karlsson, Lucas Aviles</i> <b>MBSE</b>	Mon, 31 Jan	08:00	17:00	Open/WS+	Salon E	This workshop will be a followup to last year's OpenMBEE workshop with a focus on SysML v2 and MMS 5. Topics include:- Keynote on SysML V2 Working Level (Ed & Sandy)- SysML V2 Implementation within OpenMBEE (Blake, Jason & Alec)- OpenMBEE Update - MMS 5- Ontologies- Boeing Presentation (Lucas)- Ford Presentation (Ahsan)- SE Cookbook (Dan & Steven)- Aerospace Corp SysML v1 model exchange (Karina)- Mars Helicopter Presentation- Virtual Poster Session (Various vendors)
<b>Outreach - Dr. Julia Taylor</b> Planning and executing a great chapter meeting - <i>Renee Steinwand</i>	Tue, 01 Feb	08:00	12:00	Open/WS*	Salon E	Overflow/backup for material not covered on Monday/This workshop will be a followup to last year's OpenMBEE workshop with a focus on SysML v2 and MMS 5. Topics include:- Keynote on SysML V2 Working Level (Ed & Sandy)- SysML V2 Implementation within OpenMBEE (Blake, Jason & Alec)- OpenMBEE Update - MMS 5- Ontologies- Boeing Presentation (Lucas)- Ford Presentation (Ahsan)- SE Cookbook (Dan & Steven)- Aerospace Corp SysML v1 model exchange (Karina)- Mars Helicopter Presentation- Virtual Poster Session (Various vendors)
	Sat, 29 Jan	13:30	14:30	Open/WS*	Pier 1	Outreach Strategic Focus for 2022
	Tue, 01 Feb	13:00	15:00	Open/WS+	Salon A	

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
PM-SE Integration - SE Handbook update - <i>Jean-Claude Rousset, Tina Srivastava</i>	Tue, 01 Feb	08:30	10:00	Open/WS*	Salon C	To review the major updates for the SE Handbook V5 on chapters impacted by PM-SE Integration and to give an overview of the last comments received by the SEH Editorial Board on 15th Jan 2022.
PM-SE Integration Overview/Plenary - <i>Tina Srivastava, Jean-Claude Rousset</i>	Mon, 31 Jan	13:00	15:00	Open/OS*	Salon C	Kindly schedule this meeting for Monday, Jan 31, 10:00 am - 12pm PST - Plenary / Overview. This is the main session for our Working Group to welcome new members and review the goals/objectives of the working group and spend time on the key initiatives of our working group.
PM-SE WG session on SEBok update Initiative - <i>Tina Srivastava</i>	Tue, 01 Feb	10:30	12:00	Open/WS*	Pier 9	PM-SE WG session on SEBok update InitiativeWe have reviewed the SEBok in detail and identified the sections that must be updated to reflect PM-SE Integration. During this session, we will review the sections that need to be updated, identify volunteers, and the key topics that require updating.Kindly schedule this session for Tues - 10:30am -12pmWe are coordinating with a number of members from Europe who were planning to attend in person but are no longer able to because of omicron - so this timing is important.Thank you!
Policy Management Committee - <i>KIRK MICHAELSON</i>	Tue, 01 Feb	09:00	10:30	Closed	Pier 1	This is a closed meeting for the PMC. It will be an introduction to the PMC and the member responsibilities for the new Board Members.
Product Line Engineering-Member Working Meeting - <i>Rowland Darbin, Drew Stovall</i>	Mon, 31 Jan	11:00	12:00	Open/WS*	Salon C	
Product Line Engineering WG - Open Workshop - <i>Rowland Darbin, Drew Stovall</i>	Sun, 30 Jan	10:00	12:00	Open/WS*	Salon A	

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# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
<b>Recipes for Working Groups -</b> <i>Christopher Hoffman, Olivier Dessoude, Carl Landrum, Phyllis Marbach, Jimmie McEver, Bob Swartz</i>	Mon, 31 Jan	10:00	12:00	Open	Salon D	V5.1 23 October 2014 Tips for Effective Working Groups At the request of Technical Operations, the Measurement Working Group (Paul Frenz – Chair) in conjunction with Assistant Director – Bob Swartz conducted a survey of all of the INCOSE working groups chairs and follow-up interviews with 13 of the respondents who indicated a willingness to participate. After the Technical Operations brief at the IS2014, the following Tips for Effective Working Groups was created.
Requirements Working Group - General Meeting - <i>Tami Katz</i> <b>MBSE</b>	Sun, 30 Jan	13:00	15:00	Open/WS*	Salon A	Requirement Working Group general meeting, covering: Overview of 2021 RWG activities>Status of RWG Publications and Products/Plans for 2022
Resilient Systems Working Group - <i>Kenneth Cureton</i>	Sat, 29 Jan	10:30	15:00	Open/WS*	Salon H	Review of Resilient Engineering and Loss-Driven Systems Engineering papers for inclusion in SEBok and SEH v5,
	Mon, 31 Jan	09:00	12:00	Open/WS*	Pier 9	RSWG Future Strategy, including products and Collaboration with other Working Groups
	Mon, 31 Jan	13:00	15:00	Open/WS*	Pier 9	SEBok 1st Cycle 2022 Planning: v2.6-- Resilience Engineering, Resilience Modeling, and LDSE
	Mon, 31 Jan	15:30	17:00	Open/WS*	Pier 9	Resilience Primer Development
	Sun, 30 Jan	10:00	12:00	Open/WS*	Pier 5	LDSE Strategy with INCOSE Leadership
SasiWG Open House - <i>Jeannine Siviy</i>	Sat, 29 Jan	16:30	17:00	Open/WS*	Pier 7	This is an Open House session for others to hear about and discuss the Software & Systems Interface Working Group's current priorities: Business Relevance of Systems Engineering in Software- and Data-intensive settings, and Data + Architecture adaptive roles and principles to navigate systems-software interfaces.

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# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
SBSE ISO 29110 Advanced Profile Introduction - <i>Angela Robinson, Rüdiger Kaffenberger</i>	Sat, 29 Jan	15:00	17:00	Open/WS*	Pier 10	Introduce ISO 29110 Advanced Profile and collaborate with the SBIR/STTR interest. SBIR/STTR participation is limited to firms with 500 employees or fewer. SBSE would be a good sponsor for SBIR/STTR. The SBSE WG will work with SBIR/STTR to address technology transfers for VSEs.
SBSE Work Product Publication, SBIR/ STTR Goals and Objectives - <i>Angela Robinson</i>	Mon, 31 Jan	15:00	17:00	Open/WS*	Pier 3	Prepare submission of the ISO29110 Intermediate Guide, review ISO 29110 Advanced Profile goals, objectives, and work product. Complete collaborate goals and objectives for the SBIR/STTR interest.
SE and Grand/ Global Challenges - <i>Randall Anwyl</i>	Sun, 30 Jan	09:00	11:30	Open/WS*	Pier 8	5 min - introductions20 min - Panel: SE in Grand/Global Challenges10 min - QA and breakout instructions55 min - team breakout sessions with host pop-ins45 min - reconvene and team presentations5 min - Closing
<b>SE Vision 2035</b> - <i>Heinz Stoewer, Paul Nielsen, Chris Oster, Garry Roedler, Chris Davey</i>	Sun, 30 Jan	08:00	09:00	Open	Salon D	
SE Vision 2035 Q&A - <i>Sanford Friedenthal, Chris Davey, Paul Nielsen, Chris Oster, Garry Roedler, Heinz Stoewer</i>	Sun, 30 Jan	10:00	11:00	Open/WS*	Pier 11	This session is intended to be a follow-up to the SE Vision 2035 presentation on Sunday from 8 - 9 AM to answer questions and engage in dialogue about the SE Vision

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# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
SE Vision 2035 Realization Planning - <i>Garry Roehler</i>	Sat, 29 Jan	15:00	17:00	Closed	Pier 3	This meeting is for select members of the INCOSE BoD, SE Vision Core Team, and FUSE to discuss a path forward for cultivating interest and new projects towards the realization of the SE Vision 2035. The meeting will do the following:Review the SE Challenges from the SE Vision in the context of the global trends;Review the specific recommendations from the SE Vision Discuss those possible activities/projects for promoting and realizing the SE Vision (includes those led by INCOSE and those that may be led by others);Prioritize the activities/projects;Identify stakeholders and collaborators
Sector I Leaders Meet & Greet reception - <i>Renee Steinwand</i>	Mon, 31 Jan	17:30	18:30	By invitation only	Salon D	
Sector I Leaders meeting - <i>Renee Steinwand</i>	Mon, 31 Jan	15:30	17:30	Open/WS*	Salon D	
SEPs Luncheon for ASEPs, CSEPs and ESEPs	Sun, 30 Jan	12:00	13:00	ASEP, CSEP, ESEP	-	The Certification Advisory Group invites all INCOSE-certified Systems Engineering Professionals (SEPs) to attend a special luncheon at the 2022 International Workshop (IW). The reception will be held on Sunday, 30 January 2022 from 1200 to 1300 at the Torrance Marriott Redondo Beach. The reception is open to all ASEPs, CSEPs, and ESEPs. The main purpose of the luncheon is to recognize the accomplishments and dedication of the INCOSE SEPs. The luncheon will provide an opportunity for the INCOSE ESEPs, CSEPs, and ASEPs to network with each other in a casual setting. Members of the INCOSE leadership team will also be present. Please plan on joining your fellow SEPs in Torrance.
SETDB - Demonstration and Open Forum - <i>John Nallor, Stephane Lacrampe, Rene King</i> 	Mon, 31 Jan	10:30	12:00	Open/WS*	Salon A	An update of the SETDB status and plans, a review of the current and recently released features and an open forum demonstration for the attendees to ask questions about how to use the system, and provide input on how to improve the system.

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting days)	Start time	End time	Meeting Listing	Room	Meeting Description
Social SE A & Ethics Workshop - <b>Randall Anway</b> <b>MBSE</b>	Mon, 31 Jan	09:00	11:30	Open/WS*	Pier 8	5 min - introductions20 min - Talk: basics of analyzing products' effects on social systems with examples10 min - QA and breakout instructions55 min - team breakout sessions with host pop-ins45 min - reconvene and team presentations5 min - Closing
Social SE Policy/ Governance - <b>Randall Anway, Shamsnaz Bhada</b> <b>MBSE</b>	Mon, 31 Jan	13:00	15:30	Open/WS*	Pier 8	5 min - introductions20 min - Panel: SE in Governance: Themes in Policy and Justice10 min - QA and breakout instructions55 min - team breakout sessions with host pop-ins45 min - reconvene and team presentations5 min - Closing
Social Systems WG Opening Session - <b>Randall Anway</b> <b>MBSE</b>	Sat, 29 Jan	11:00	12:00	Open/WS*	Pier 8	5 min - introductions20 min - Talk: Social Systems WG Update5 min - QA and breakout instructions10 min - breakout sessions with host pop-ins15 min - reconvene and discussion5 min - Closing
Social Systems WG Planning - <b>Randall Anway, Shamsnaz Bhada</b> <b>MBSE</b>	Tue, 01 Feb	09:00	10:00	Open/WS*	Pier 11	5 min - introductions20 min - IW Session Reports5 min - QA and breakout instructions10 min - breakout sessions with host pop-ins15 min - reconvene and planning discussion5 min - Closing
Spatial skills and SE - <b>Curt McNamara, Alex Wolf</b> <b>MBSE</b>	Sun, 30 Jan	13:00	14:30	Open/WS*	Pier 11	Spatial skills are the basis for success in design and SE.
Standards Development Department Opportunities - <b>Richard Martin, Daniel Siegl</b>	Mon, 31 Jan	09:00	10:00	Open/WS*	Pier 5	This is an opportunity for INCOSE members not already engaged in the development of International Standards to get information about participation opportunities.
	Tue, 01 Feb	09:00	10:00	Open/WS*	Pier 5	An open meeting for folks interested in participating in the development of International Standards.

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Standards Development Policy and Practices - <i>Richard Martin, Daniel Sieg</i>	Sun, 30 Jan	10:00	12:00	Closed	Pier 9	Business meeting of INCOSE Standards Development Department to: 1) review existing policy documents TEC 103 and FIN 102; 2) discuss obligations as liaison or member of International Standards Development Organizations; 3) verify 2022 project engagements and project status; and 4) Discuss future engagement opportunities.
STEM Initiative Workshop - <i>Bill Chown, Caitlyn Singram, Carilee Bisstop</i>	Sat, 29 Jan	10:30	14:00	Open/WS*	Salon F	<p>After registering, you will receive a confirmation email containing information about joining the meeting.</p> <p>v For more information click on the invite link: <a href="https://discord.gv/uv2nhrKzyQ">https://discord.gv/uv2nhrKzyQ</a> or see the web page at <a href="https://www.incose.org/2021-incoe-ux-redesign/system-initiative">https://www.incose.org/2021-incoe-ux-redesign/system-initiative</a></p>
SysML v2 Demo - <i>Sanford Friedenthal, Edwin Seodewitz</i> 	Sun, 30 Jan	10:00	15:00	Open/WS*	Salon F	The objective of this session is to demonstrate current SysML v2 capabilities per the draft SysML v2 Specification using the SysML v2 pilot implementation, and to answer questions regarding current and planned capabilities.. We plan to run two back-to-back demonstrations to accommodate a broader range of attendee schedules.
System Thinking Roundtable (STRT) - <i>Sue Gabriele, Jawahar Bhalla, Chris Browne</i>	Sat, 29 Jan	07:00	08:00	Open	Salon A	
	Sat, 29 Jan	12:00	13:00	Open	Salon A	
	Sun, 30 Jan	07:00	08:00	Open	Salon A	
	Sun, 30 Jan	12:00	13:00	Open	Salon A	
	Mon, 31 Jan	07:00	08:00	Open	Salon A	
	Mon, 31 Jan	12:00	13:00	Open	Salon A	
	Tue, 01 Feb	07:00	08:00	Open	Salon A	
	Tue, 01 Feb	12:00	13:00	Open	Salon A	

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Systems of Systems Working Session - <b>Judith Dahmann</b>	Sat, 29 Jan Mon, 31 Jan	10:30 08:00	12:00 11:00	Open/WS* Open/WS*	Salon A Salon B	This will be a working session addressing current SoS WG initiatives This will be a working session addressing current SoS WG initiatives
Systems Science Working Group - 1A - Welcome to SSWG - J <i>Javier Calvo-Amadio, James Martin</i> <b>MBSE</b>	Tue, 01 Feb	08:00	11:00	Open/WS*	Salon B	This will be a working session address current systems initiatives
Systems Science Working Group - 1B - Systems Science and Enterprise Systems Collaborative Session - <i>Javier Calvo-Amadio, James Martin, Tom McDermott</i> <b>MBSE</b>	Sat, 29 Jan	10:30	11:30	Open/OS*	Salon G	
Systems Science Working Group - 1C - Future of Systems Science - <i>Javier Calvo-Amadio, James Martin, George Mobus</i> <b>MBSE</b>	Sat, 29 Jan	13:00	15:00	Open/WS*	Salon G	
Systems Science Working Group - 1C - Future of Systems Science - <i>Javier Calvo-Amadio, James Martin, George Mobus</i> <b>MBSE</b>	Sat, 29 Jan	15:30	17:00	Open/WS*	Salon G	

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Systems Science Working Group - 2A - Systems Science and Natural Systems - <i>Javier Calvo-Amadio, James Martin, Curt McNamara</i> <b>MBSE</b>	Sun, 30 Jan	09:00	12:00	Open/WS*	Salon G	
Systems Science Working Group - 2B - Category Theory Tutorial <i>Michael Watson, Javier Calvo-Amadio</i> <b>MBSE</b>	Sun, 30 Jan	13:00	15:00	Open/WS*	Salon G	Joint session to present tutorial on Category Theory applied to Systems Engineering with National Institute of Science and Technology (NIST).
Systems Science Working Group - 2C - Category Theory Systems Engineering Discussion - <i>Michael Watson, Javier Calvo-Amadio</i> <b>MBSE</b>	Sun, 30 Jan	15:30	17:30	Open/WS*	Salon G	Joint session for discussion of INCCSSE members on Category Theory applied to Systems Engineering with National Institute of Science and Technology (NIST).

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Systems Science Working Group - 3B - Transdisciplinary Systems Engineering - <i>Javier Calvo-Amadio, James Martin, David Rousseau, Mike Pennotti, Peter Brook</i> <b>MBSE</b>	Mon, 31 Jan	10:00	12:00	Open/WS*	Salon G	
Systems Science Working Group - 3C - Critical Systems Thinking and Practice - <i>Javier Calvo-Amadio, James Martin, Mike C. Jackson</i> <b>MBSE</b>	Mon, 31 Jan	13:00	15:00	Open/WS*	Salon G	
Systems Security Engineering WG General Meeting - <i>Rick Dove</i> <b>MBSE</b>	Tue, 01 Feb	08:00	10:00	Open/WS*	Pier 9	Intro to the working group, a review of current project status, proposed new projects, and general discussion.
Technical Operations Assistant Directors meeting - <i>Chris Hoffman, Olivier Desoude</i>	Sat, 29 Jan	10:30	12:00	Closed	Salon BC	Pending

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Group

Meeting Chairman	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description
Technical Operations Working Group Leadership luncheon - <i>Chris Hoffman, Olivier Dessoude</i>	Sat, 29 Jan	12:00	13:00	Closed	Salon BC	<ul style="list-style-type: none"> <li>o Give information to WG chairs/o Opportunity for WG chairs to express their needs/o INCOSE President and President Elect will be attending</li> </ul>
TPP 2.0 Conference Room Pilot - <i>Christopher Hoffman, Lori Zipes</i>	Tue, 01 Feb	13:00	14:00	Open/WS*	Pier 1	This hour will consist of a «Conference Room Pilot» of the upcoming SmartSheet based TPP 2.0 system/Attendees will assume roles in this session and work through 1 sequential exercise of starting a TPP, submitting, reviewing, approving, and being informed of the approved TPP.
WG Tools Review - Teams/Yammer/Connect migration - <i>William Scheible</i>	Sat, 29 Jan	14:00	15:00	Meeting by groups	Pier 6	Review and knowledge transfer for WG leaders on understanding and using the INCOSE Teams/Yammer tools and instructions on how to migrate from the current Connect system.
Wiley / INCOSE Strategy Meeting - <i>Christine Kowalski</i>	Tue, 01 Feb	11:00	13:00	Closed	Pier 1	Strategy Meeting

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Saturday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
<b>Saturday</b>				
System Thinking RoundTable (STRT)	07:00	08:00	Open	Salon A
<b>Opening Plenary</b>	08:00	10:00	Open	Salon DE
Break	10:00	10:30	Open	Ballroom Foyer
First-Time Attendee Session	10:00	10:30	Closed	Lighthouse Ballroom
Corporate Advisory Board Meeting	10:30	17:00	Closed	Salon D
Critical Infrastructure Protection & Recovery Workshop	10:30	12:30	Closed	Pier 5
Digital Engineering Information Exchange <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	10:30	12:00	Open/OS*	Pier 1
EMEA sector chapter leaders meeting	10:30	12:00	Open	Pier 6
Events core planning committee	10:30	12:00	Closed	Pier 3
Folding in nature and design <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	10:30	12:00	Open/WS*	Pier 11
Human Systems Integration	10:30	12:30	Open/WS*	Pier 7
KMWG - Presentation and status on achievements	10:30	12:00	Open/WS*	Pier 10
MBSE Initiative <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	10:30	18:00	Open	Salon E
Resilient Systems Working Group	10:30	15:00	Open/WS*	Salon H
STEM Initiative Workshop	10:30	14:00	Open/WS*	Salon F
Systems of Systems Working Session	10:30	12:00	Open/WS*	Salon A
Systems Science Working Group - 1A - Welcome to SSWG <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	10:30	11:30	Open/OS*	Salon G
Technical Operations Assistant Directors meeting	10:30	12:00	Closed	Salon BC
Social Systems WG Opening Session <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	11:00	12:00	Open/WS*	Pier 8
Lunch	12:00	13:00	Open	Lighthouse Ballroom
System Thinking RoundTable (STRT)	12:00	13:00	Open	Salon A
Technical Operations Working Group Leadership luncheon	12:00	13:00	Closed	Salon BC
CSWG Kickoff and Primer Future Revisions	13:00	15:00	Open/WS*	Salon A
Future of Systems Engineering - Realizing the Systems Engineering Vision Workshop	13:00	17:00	Open/OS*	Salon BC
Natural systems in product development and SE <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	13:00	14:30	Open/WS*	Pier 3
Systems Science Working Group - 1B - Systems Science and Enterprise Systems Collaborative Session <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	13:00	15:00	Open/WS*	Salon G
IS2022 Technical review	13:30	16:30	Closed	Pier 7
Outreach	13:30	14:30	Open/WS*	Pier 1
Architecture Working Group meetings <span style="background-color: #0070C0; color: white; border-radius: 15px; padding: 2px 10px;">MBSE</span>	14:00	16:30	Open/WS*	Pier 2+4

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Saturday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
WG Tools Review - Teams/Yammer/Connect migration	14:00	15:00	Open/WS*	Pier 6
Digital Engineering Information Exchange <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px;">MBSE</span>	14:30	17:30	Open/WS*	Pier 1
Break	15:00	15:30	Open	Ballroom Foyer
IWG Strategy Meeting	15:00	17:30	Open/WS*	Pier 6
SBSE ISO 29110 Advanced Profile Introduction	15:00	17:00	Open/WS*	Pier 10
SE Vision 2035 Realization Planning	15:00	17:00	Closed	Pier 3
Emergence in Complex Systems	15:30	17:30	Open/WS*	Pier 5
Systems Science Working Group - 1C - Future of Systems Science <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px;">MBSE</span>	15:30	17:00	Open/WS*	Salon G
SaSIWG «Open House»	16:30	17:00	Open/WS*	Pier 7

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\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Sunday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
<b>Sunday</b>				
System Thinking RoundTable (STRT)	07:00	08:00	Open	Salon A
Handbook Editor Meeting	08:00	12:00	Closed	Pier 7
<b>SE Vision 2035</b>	08:00	09:00	Open	Salon D
Corporate Advisory Board Workshops	09:00	12:00	Closed	Salon D
Events core planning committee	09:00	10:00	Closed	Pier 3
Future of Systems Engineering - Realizing the Systems Engineering Vision Workshop	09:00	12:00	Open/WS*	Salon BC
MBSE Initiative	09:00	18:00	Open	Salon E
SE and Grand/Global Challenges	09:00	11:30	Open/WS*	Pier 8
Systems Science Working Group - 2A - Systems Science and Natural Systems	09:00	12:00	Open/WS*	Salon G
Break	10:00	10:30	Open	Ballroom Foyer
Critical Infrastructure Protection & Recovery Workshop	10:00	12:00	Open/WS*	Pier 10
Digital Engineering Information Exchange	10:00	12:00	Open/WS*	Pier 1
Product Line Engineering WG - Open Workshop	10:00	12:00	Open/WS*	Salon A
Resilient Systems Working Group	10:00	12:00	Open/WS*	Pier 5
SE Vision 2035 Q&A	10:00	11:00	Open/WS*	Pier 11
Standards Development Department Policy and Practices	10:00	12:00	Closed	Pier 9
SysML v2 Demo	10:00	15:00	Open/WS*	Salon F
BKCASE Governing Board Meeting	10:30	12:00	Open/WS*	Hideaway
Events - IS2022 Update	10:30	12:00	Closed	Pier 3
Fellows Selection Committee	10:30	12:00	Closed	Pier 6
Knowledge Management Primer	10:30	12:00	Open/WS*	Salon H
Honours & Awards Committee	11:00	11:30	Closed	Pier 11
Board of Directors Meeting	12:00	17:30	Closed	Pier 5
Lunch	12:00	13:00	Open	Lighthouse Ballroom
SEP's Luncheon for ASEPs, CSEPs and ESEPs	12:00	13:00	ASEP, CSEP, ESEP	-
System Thinking RoundTable (STRT)	12:00	13:00	Open	Salon A
Agile Systems & SE WG General Meeting	13:00	15:00	Open/WS*	Pier 1
Critical Infrastructure Protection & Recovery Workshop	13:00	17:30	Open/WS*	Pier 10
Handbook Editor Meeting	13:00	17:00	Closed	Pier 7
Heuristics Team	13:00	17:30	Open/WS*	Pier 9
INCOSE MBSE Patterns Working Group	13:00	15:00	Open/WS*	Salon BC

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Sunday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
IWG Product Development	13:00	16:00	Open/WS*	Pier 8
Requirements Working Group - General Meeting	13:00	15:00	Open/WS*	Salon A
Spatial skills and SE	13:00	14:30	Open/WS*	Pier 11
Systems Science Working Group - 2B - Category Theory Tutorial	13:00 <b>MBSE</b>	15:00	Open/WS*	Salon G
Digital Engineering Measurements	13:30	15:30	Open/WS*	Salon H
Architecture Working Group meetings	14:00 <b>MBSE</b>	16:30	Open/WS*	Pier 2+4
Comms Networks as Critical Infrastructure	14:00	15:00	Open/OS*	Pier 6
Human Systems Integration	14:00	15:30	Open/WS*	Pier 3
Break	15:00	15:30	Open	Ballroom Foyer
Decision Analysis Working Group	15:00	17:00	Open/WS*	Pier 6
Systems Science Working Group - 2C - Category Theory Systems Engineering Discussion	15:30 <b>MBSE</b>	17:30	Open/WS*	Salon G
<b>MBSE Reception</b>	18:00	19:00	MBSE Workshop Participants	The Strand

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\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Monday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
<b>Monday</b>				
Events core planning committee	07:00	08:00	Closed	Pier 3
System Thinking RoundTable (STRT)	07:00	08:00	Open	Salon A
Automotive Working Group Session	08:00	10:30	Open/WS*	Pier 6
CSWG Heuristics Focus Team Results	08:00	10:00	Open/WS*	Salon A
Events - IS2023 Meeting	08:00	09:00	Closed	Pier 3
<b>INCOSE Product Development and You</b>	08:00	09:00	Open	Salon D
INCOSE Social Systems Engineering, AI & Ethics Workshop	08:00	10:00	Open/WS*	Salon C
OpenMBEE Workshop <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	08:00	17:00	Open/WS*	Salon E
Systems of Systems Working Session	08:00	11:00	Open/WS*	Salon B
Budget & Planning	09:00	10:00	Closed	Pier 1
FuSE Security Topic - Review of INSIGHT Article Submissions	09:00	17:00	Open/WS*	Salon F
IS2022 Technical review	09:00	12:00	Closed	Pier 7
Knowledge Map Kick-off	09:00	10:00	Open/WS*	Pier 3
Resilient Systems Working Group	09:00	12:00	Open/WS*	Pier 9
Social SE AI & Ethics Workshop <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	09:00	11:30	Open/WS*	Pier 8
Standards Development Department Opportunities	09:00	10:00	Open/WS*	Pier 5
Systems Science Working Group - 3A - SE Principles and Heuristics <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	09:00	10:00	Open/WS*	Salon G
Break	10:00	10:30	Open	Ballroom Foyer
Creating your Chapter strategic and operating plans	10:00	12:00	Open/WS*	Pier 3
Digital Engineering Information Exchange <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	10:00	12:00	Open/WS*	Pier 1
IWG 2022 Planning Meeting	10:00	12:00	Open/WS*	Salon H
<b>Recipes for Working Groups</b>	10:00	12:00	Open	Salon D
Systems Science Working Group - 3B - Transdisciplinary Systems Engineering <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	10:00	12:00	Open/WS*	Salon G
Fellows Meeting	10:30	12:00	Closed	Pier 6
Joint Session of CSWG and SoSWG	10:30	12:30	Open/WS*	Pier 5
SETDB - Demonstration and Open Forum <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">MBSE</span>	10:30	12:00	Open/WS*	Salon A
Product Line Engineering - Member Working Meeting	11:00	12:00	Open/WS*	Salon C
Lunch	12:00	13:00	Open	Lighthouse Ballroom
System Thinking RoundTable (STRT)	12:00	13:00	Open	Salon A
Chapter Leader training	13:00	15:00	Open/WS*	Salon A

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Monday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
CSWG Primer Future Revisions Action Plan	13:00	15:00	Open/WS*	Salon B
Digital Engineering Body of Knowledge	13:00	15:00	Open/WS*	Pier 5
Digital Engineering Measurements	13:00	15:00	Open/WS*	Salon H
Handbook Editor Meeting	13:00	17:00	Closed	Pier 7
PM-SE Integration Overview/Plenary	13:00	15:00	Open/OS*	Salon C
Resilient Systems Working Group	13:00	15:00	Open/WS*	Pier 9
Social SE Policy/Governance	13:00	15:30	Open/WS*	Pier 8
Systems Science Working Group - 3C - Critical Systems Thinking and Practice	13:00	15:00	Open/WS*	Salon G
Architecture Working Group meetings	14:00	16:30	Open/WS*	Pier 2+4
IT Strategy Meeting	14:30	16:00	Closed	Pier 1
Break	15:00	15:30	Open	Ballroom Foyer
Decision Analysis Working Group	15:00	17:00	Open/WS*	Pier 6
SBSE Work Product Publication, SBIR/STTR Goals and Objectives	15:00	17:00	Open/WS*	Pier 3
Asia Oceania Sector Directors meeting	15:30	17:00	Open/WS*	Pier 8
Resilient Systems Working Group	15:30	17:00	Open/WS*	Pier 9
Sector I Leaders meeting	15:30	17:30	Open/WS*	Salon D
Sector I Leaders Meet & Greet reception	17:30	18:30	By invitation only	Salon D

## Notes

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# Meeting by Day (Tuesday)

Meeting Name	Time Start	Time End	Meeting Listing	Room
<b>Tuesday</b>				
System Thinking RoundTable (STRT)	07:00	08:00	Open	Salon A
Architecture Working Group meetings	08:00	10:00	Open/WS*	Pier 2+4
Digital Engineering Body of Knowledge	08:00	09:00	Open/WS*	Pier 5
IS2022 Technical review	08:00	12:00	Closed	Pier 7
Model Portfolio Management Guide Review	08:00	10:00	Open/WS*	Salon A
OpenMBEE Workshop	08:00	12:00	Open/WS*	Salon E
Systems of Systems Working Session	08:00	11:00	Open/WS*	Salon B
Systems Security Engineering WG General Meeting	08:00	10:00	Open/WS*	Pier 9
PM-SE Integration - SE Handbook update	08:30	10:00	Open/WS*	Salon C
Configuration Management Working Group	09:00	12:00	Open/WS*	Pier 6
Events	09:00	10:00	Closed	Pier 3
Introduction to the Digital Systems Engineering Process model	09:00	10:00	Open/WS*	Pier 8
NAFEMS-INCOSE SMS Community meeting	09:00	12:00	Open/OS*	Pier 10
Policy Management Committee	09:00	10:30	Closed	Pier 1
Social Systems WG Planning	09:00	10:00	Open/WS*	Pier 11
Standards Development Department Opportunities	09:00	10:00	Open/WS*	Pier 5
Break	10:00	10:30	Open	Ballroom Foyer
Category Theory Consortium Formulation	10:00	12:00	Closed	Pier 3
Digital Engineering Body of Knowledge	10:00	12:00	Open/WS*	Pier 5
HSI Primer Writing Workshop	10:00	12:00	Open/WS*	Pier 8
Model Portfolio Management Guide Review	10:30	12:00	Open/WS*	Salon A
PM-SE WG session on SEBoK update Initiative	10:30	12:00	Open/WS*	Pier 9
Wiley / INCOSE Strategy Meeting	11:00	13:00	Closed	Pier 1
Lunch	12:00	13:00	Open	Lighthouse Ballroom
System Thinking RoundTable (STRT)	12:00	13:00	Open	Salon A
Handbook Editor Meeting	13:00	14:30	Closed	Pier 7
Planning and executing a great chapter meeting	13:00	15:00	Open/WS*	Salon A
TPP 2.0 Conference Room Pilot	13:00	14:00	Open/WS*	Pier 1
<b>Closing Plenary</b>	15:00	16:00	Open	Salon D
<b>Closing Reception and Working Group Market Place</b>	16:00	18:30	Ticket Required	Lighthouse Ballroom

\* Open/OS: Open/Outreach session | \* Open/WS: Open/Working session

# INCOSE

## Corporate Advisory Board

(status as of January 16, 2022)

### A

Aerospace Corporation,

*The Ryan A. Noguchi*

Airbus

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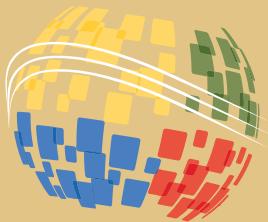
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