

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
<b>Saturday</b>									
System Thinking RoundTable (STRT)	Saturday	07:00	08:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Opening Plenary	Saturday	08:00	10:00	Open		Salon DE	Kyle Lewis		Plenary
First-Time Attendee Session	Saturday	10:00	10:30	Closed	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 as you gain insights into the workshop and how INCOSE can help advance your career.	Lighthouse Ballroom	David Long		Business Meeting
Corporate Advisory Board Meeting	Saturday	10:30	17:00	Closed		Salon D	Ron Giachetti, Donald M. York		Business Meeting
Critical Infrastructure Protection & Recovery Workshop	Saturday	10:30	12:30	Closed	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 anytime. Join Zoom Meeting https://incose-org.zoom.us/j/91326068478?pwd=SXpmdGVLV2NkVXdLUmRDakJXdk1qUT09Meeting ID: 913 2606 8478Passcode: 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: 913 2606 8478Passcode: 268927Find your local number: https://incose-org.zoom.us/j/az2eEPoucJoin by Skype for Businesshttps://incose-org.zoom.us/skype/91326068478	Pier 5	Daniel Eisenberg	Critical Infrastructure Protection and Recovery;	Working Group
Digital Engineering Information Exchange	Saturday	10:30	12:00	Open/Outreach session	To do final planning and coordination for the DEIXWG meetings.	Pier 1	Frank Salvatore, Terri Chan, Sean McGervey, Celia Tsang	Digital Engineering Information Exchange;#MBS E;	Working Group
EMEA sector chapter leaders meeting	Saturday	10:30	12:00	Open		Pier 6	Sven-Olaf Schulze		Business Meeting
Events core planning committee	Saturday	10:30	12:00	Closed		Pier 3	Donna Long		Business Meeting
Human Systems Integration	Saturday	10:30	12:30	Open/Working session	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.	Pier 7	Guy Andre Boy	Human Systems Integration;	Working Group
KMWG - Presentation and status on achievements	Saturday	10:30	12:00	Open/Working session	Introduction for new membersStatus of work donePlan for 2022	Pier 10	Jean Duprez, Robert Nilsson	Knowledge Management;	Working Group
MBSE Initiative	Saturday	10:30	18:00	Open	10:30 11:00 Opening: MBSE Initiative Update (Mark Sampson) 11:00 12:00 Univ. of Mich. (Undergraduate SE Program) MBSE Keynote Speaker: George Halow, Gokin Cinar, Julia Weiss 12:00 13:00 Lunch 13:00 13:10 Opening: Inspire MBSE Lightning Talks 13:10 13:30 Taming Dragons: Who's Your Customer (Lisa Murphy, Siemens) 13:30 13:50 What's your problem? (Ceca Mijatovic, Cecasphere) 13:50 14:10 When you build it & they do not come (Daniel Call, Colorado State) 14:10 14:30 Modeling Critical Infrastructure (Anthony Adebajo, CISWG) 14:30 14:50 Loss-Driven SE for connected Autonomous Vehicles (Bob Kenley, Purdue) 14:50 15:30 Break 15:30 15:50 Opening: Inspire MBSE Lightning Talks 15:50 16:30 Opening: MBSE Sub-System Cross Systems)	Salon E	Troy Peterson, Mark Sampson	#MBSE	Business Meeting
On Folding in Nature and Design	Saturday	10:30	12:30	Open/Working session	Folding is a meta principle and transcends all realms of the organic and inorganic, hence is present in all natural systems and across all scales. Folding is applied spatially. Our current move towards WEB3, embedded digital capabilities and nextgen manufacturing redefine our material assumptions based on digital code. The fold as analog code, simultaneously representing objects and executing actions lies at the foundation for the explosion of "Folding as an interdisciplinary Field of Research" spanning: Art, Science, Math, Tech, Engineering, Design and Education. In this workshop we will look at and trace 2 decades of Folding and hear from eminent figures in the field with a glimpse to the future of 3D and 4D application of "Folding principles". Please join us for a quick introduction into the cross disciplinary field of "Folding" with: Prof. Karola Dierichs presenting her work on: "Designing Matter: Autonomously Shape-changing Granular Materials in Architecture" Vincent Floederer: Artist, Founder of the Centre de Recherche International pour le Pli, le CRIMP, prominent origamiist / Folder following in the tradition of Paul Jackson, Vincent has defined the field through his contribution in "Structured Crumpling" - "Le froissage structuree" since the late 1980's Vincent will present his current research on extremely thin and extremely big scale crumpling process / structures and what type of industrial applications and processes he is researching and collaborating on to infuse biomimetic exploration of 'structured crumpling'. Chris Palmer: Digital Fabrication Manager, College of Environmental Design, UC Berkeley, prominent Origami Artist, world renown for his pioneering work in multi material folding, tessellations and kinetic designs. ( octagon polypouch - Flowertower). http://shadowfolds.com/Chris will present his current work on very thin and very small scale as well as his unique textile material folding process, the flowertower in textile folding. Jianzhen Gu PhD student Morphing Matter Lab, Prof Lining Yao	Pier 11	Curt McNamara, Kai Constantini	Natural Systems;#MBSE;	Working Group

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
STEM Initiative Workshop	Saturday	10:30	14:00	Open/Working session	After registering, you will receive a confirmation email containing information about joining the meeting.  For more information click on the invite link: <a href="https://discord.gg/uv2nhrKzyQ">https://discord.gg/uv2nhrKzyQ</a> or see the web page at <a href="https://www.incose.org/2021-incose-ux-redesign/system-initiative">https://www.incose.org/2021-incose-ux-redesign/system-initiative</a>	Salon F	Bill Chown, Caitlyn Singam, Carlee Bishop	STEM Initiative	Working Group
Systems of Systems Working Group Sessions	Saturday	10:30	12:00	Open/Working session	This will be a working session addressing current SoS WG initiatives	Salon A	Judith Dahmann, Alan Harding	System of Systems; Complexity; Power and Energy	Working Group
Systems Science Working Group - 1A - Welcome to SSWG	Saturday	10:30	11:30	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin	#MBSE;	Working Group
Technical Operations Assistant Directors meeting	Saturday	10:30	12:00	Closed	Pending	Salon BC	Chris Hoffman, Olivier Dessoude	Admin/Committee meeting	Business Meeting
Social Systems WG Opening Session	Saturday	11:00	12:00	Open/Working session	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	Pier 8	Randall Anway	Social Systems;#MBSE;	Working Group
System Thinking RoundTable (STRT)	Saturday	12:00	13:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Technical Operations Working Group Leadership luncheon	Saturday	12:00	13:00	Closed	o Give information to WG chairso Opportunity for WG chairs to express their needso INCOSE President and President Elect will be attending	Salon BC	Chris Hoffman, Olivier Dessoude		Business Meeting
CSWG Kickoff and Primer Future Revisions	Saturday	13:00	15:00	Open/Working session	Kick off session of the Complex Systems Working Group and initial framing of the long term comments received on the Complexity Primer.	Salon A	Michael Watson	Complex Systems;	Working Group
Future of Systems Engineering - Realizing the Systems Engineering Vision Workshop	Saturday	13:00	17:00	Open/Outreach session	Zoom Session Registration Request: <a href="https://incose-org.zoom.us/meeting/register/UwlcO6gpzwtHNBtTnswXZgQDITjV4Z8GQp">https://incose-org.zoom.us/meeting/register/UwlcO6gpzwtHNBtTnswXZgQDITjV4Z8GQp</a> Detailed Meeting Agenda (To be Refined):1300-1315 Welcome, Introductions, and Logistics (15 minutes)1315-1330 Context for FuSE1330-1345 Systems Engineering 2025 Roadmap1345-1400 FuSE Projects Dashboard including Working Group & Systems Community Collaborations1400-1415 FuSE Projects Coverage Matrix1415-1445 Need for Additional FuSE Projects1445-1500 Break1500-1515 Framework Template1515-1645 Framing the Vision Realization1645-1700 Summary and Closing	Salon BC	William Miller	Agile Systems and Systems Engineering;Artificial Intelligence Systems;Complex Systems;Human Systems Integration;Social Systems;Systems and Software Interface;Systems Science;Systems Security Engineering;FuSE Initiative	Working Group
Natural systems in product development and SE	Saturday	13:00	14:30	Open/Working session	Applications of natural systems in product development and SE	Pier 3	Curt McNamara, Alex Wolf, Dennis Tuckowski	Natural Systems;#MBSE;	Working Group
Resilient Systems Working Group	Saturday	13:00	15:00	Open/Working session	Review of Resilient Engineering and Loss-Driven Systems Engineering papers for inclusion in SEBoK and SEH v5.	Salon H	Kenneth Cureton	Resilient Systems;	Working Group
Systems Science Working Group - 1B - Systems Science and Enterprise Systems Collaborative Session	Saturday	13:00	15:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, Tom McDermott	#MBSE;	Working Group
IS2022 Technical review	Saturday	13:30	16:30	Closed	Finalization of IS2022 reviews and draft program	Pier 7	Dave Walden		Business Meeting
Outreach	Saturday	13:30	14:30	Open/Working session	Outreach Strategic Focus for 2022	Pier 1	Dr. Julia Taylor	Artificial Intelligence Systems;Automotive;Complex Systems;Decision Analysis;Defense Systems;Global Earth Observation System of Systems (GEOSS);Healthcare;Human Systems Integration;MBSE Initiative;MBSE Patterns;NAFEM S-INCOSE Systems Modeling & Simulation;Natural Systems;Object-Oriented Systems Engineering Method (OOSEM);PM-SE Integration;Power & Energy Systems;Process Improvement;Resilient Systems;Digital	Business Meeting

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
Architecture Working Group meetings	Saturday	14:00	16:30	Open/Working session	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 EMEA 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/IEEE 42020 - Architecture Processes (Anand Kumar – 30 mins)2) Discussion on ISO/IEC/IEEE 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)	Pier 2+4	Anand Kumar, Jean-Luc Garnier	Architecture;#MBSE;	Working Group
WG Tools Review - Teams/Yammer/Connect migration	Saturday	14:00	15:00	Open/Working session	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.	Pier 6	William Scheible	Tech Ops Management	Working Group
Digital Engineering Information Exchange	Saturday	14:30	17:30	Open/Working session	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	Pier 1	Frank Salvatore, Terri Chan, Sean McGarvey, Celia Tsang	Digital Engineering Information Exchange;#MBS E;	Working Group
IWG Strategy Meeting	Saturday	15:00	17:30	Open/Working session	Year end review and discuss strategy for 2022	Pier 6	Alain Kouassi	Infrastructure;	Working Group
New Working Group Leaders	Saturday	15:00	16:00	Open/Working session		Salon F	Bill Scheibe		Working Group
SBSE ISO 29110 Advanced Profile Introduction	Saturday	15:00	17:00	Open/Working session	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 VSE's.	Pier 10	Angela Robinson, Rüdiger Kaffenberger	Small Business Systems Engineering;	Working Group
SE Vision 2035 Realization Planning	Saturday	15:00	17:00	Closed	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 trendsReview the specific recommendations from the SE VisionDiscuss 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/projectsIdentify stakeholders and collaborators	Pier 3	Garry Roedler	Business Meeting;	Business Meeting
Emergence in Complex Systems	Saturday	15:30	17:30	Open/Working session	Joint Session with Systems of Systems Working Group to discussion emergence in systems of systems..	Pier 5	Michael Watson	Complex Systems;System of Systems;	Working Group
Systems Science Working Group - 1C - Future of Systems Science	Saturday	15:30	17:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, George Mobus	#MBSE;	Working Group
SaSIWG "Open House"	Saturday	16:30	17:00	Open/Working session	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.	Pier 7	Jeannine Sivity, Dorothy McKinney	Systems and Software Interface;	Working Group
<b>Sunday</b>									
System Thinking RoundTable (STRT)	Sunday	07:00	08:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Handbook Editor Meeting	Sunday	08:00	12:00	Closed	Coordination and discussions on the INCOSE SE Handbook Fifth Edition	Pier 7	Dave Walden	SE Handbook	Working Group
SE Vision 2035	Sunday	08:00	09:00	Open		Salon D	Sanford Friedenthal, Heinz Stoewer, Paul Nielsen, Chris Oster, Garry Roedler, Chris Davey		Plenary
Corporate Advisory Board Workshops	Sunday	09:00	12:00	Closed		Salon D	Ron Giachetti, Donald M. York		Business Meeting
Envisioning INCOSE and the United Nations Sustainable Development Goals	Sunday	09:00	11:30	Open/Working session	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	Pier 8	Randall Anway, Dana Polojärvi, Ivan Taylor, Paul McGoey	Natural Systems;Social Systems;	Working Group
Events core planning committee	Sunday	09:00	10:00	Closed	Strategy Meeting	Pier 3	Donna Long		Business Meeting
Future of Systems Engineering - Realizing the Systems Engineering Vision Workshop	Sunday	09:00	12:00	Open/Working session	0900-0930 Review of Saturday Workshop Framing0930-1130 Framing the Systems Engineering Vision Realization Round 21130-1200 Framing Summary and Close	Salon BC	William Miller	Agile Systems and Systems Engineering;Artificial Intelligence Systems;Complex Systems;Human Systems Integration;Social Systems;Systems and Software Interface;System s Science;Systems Security Engineering;FuS E Initiative	Working Group

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
MBSE Initiative	Sunday	09:00	18:00	Open	09:00 10:00 SysML v2 Update (Sandy Friedenthal)	Salon E	Troy Peterson, Mark Sampson	#MBSE	Business Meeting
					10:00 10:30 Break				
					10:30 10:50 Opening: Transformation Initiative/Vision Update (Troy Peterson)				
					10:50 11:50 Working Group Round Robin... (Select Working Group Overviews) DEIX, Satellite Ref Model,...				
					12:00 13:00 Lunch				
					13:00 13:20 DoD OSD DE Update (Phil Zimmerman)				
					13:20 13:40 MBSE/DE/SERC Update (Tom McDermont - GT)				
					13:40 14:00 Analyst MBSE Update (Don Tolle CIMdata)				
					14:00 14:20 Digital Ecosystems (DECO) Update (Russell Peak - GT)				
					14:20 14:40 MBSE Standards Update (ASME, IEEE, AIAA, NIST...)				
					14:40 15:00 OPM ISO 19450 Update ISO 14641 (ARCADIA Methodology)				
					15:00 15:30 Break				
Systems Science Working Group - 2A - Systems Science and Natural Systems	Sunday	09:00	12:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, Curt McNamara	#MBSE;	Working Group
Critical Infrastructure Protection & Recovery Workshop	Sunday	10:00	12:00	Open/Working session	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 Call-in Time: This is a recurring meeting Meet anytime. Join Zoom Meeting <a href="https://incose-org.zoom.us/j/91326068478?pwd=SPmdGVLV2NkVXdLUMRDakJXdk1qUT09MeetingID:91326068478Passcode:268927OneTapMobile:+16699006833,+91326068478#,,,,*268927#US(SanJose)+12532158782,+91326068478#,,,,*268927#US(Tacoma)Dialbyyourlocation+16699006833US(SanJose)+12532158782US(Tacoma)+13462487799US(Houston)+13017158592US(WashingtonDC)+1312626799US(Chicago)+19292056099US(NewYork)8778535257USToll-free8884754499USToll-freeMeetingID:91326068478Passcode:268927Findyourlocalnumber:https://incose-org.zoom.us/j/az2eEPocJoinbySkypeforBusinesshttps://incose-org.zoom.us/skype/91326068478">https://incose-org.zoom.us/j/91326068478?pwd=SPmdGVLV2NkVXdLUMRDakJXdk1qUT09MeetingID:91326068478Passcode:268927OneTapMobile:+16699006833,+91326068478#,,,,*268927#US(SanJose)+12532158782,+91326068478#,,,,*268927#US(Tacoma)Dialbyyourlocation+16699006833US(SanJose)+12532158782US(Tacoma)+13462487799US(Houston)+13017158592US(WashingtonDC)+1312626799US(Chicago)+19292056099US(NewYork)8778535257USToll-free8884754499USToll-freeMeetingID:91326068478Passcode:268927Findyourlocalnumber:https://incose-org.zoom.us/j/az2eEPocJoinbySkypeforBusinesshttps://incose-org.zoom.us/skype/91326068478</a>	Pier 10	Daniel Eisenberg	Critical Infrastructure Protection and Recovery;	Working Group
Digital Engineering Information Exchange	Sunday	10:00	12:00	Open/Working session	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	Pier 1	Frank Salvatore, Terri Chan, Sean McGervey, Celia Tsang	Digital Engineering Information Exchange;#MBS E;	Working Group
Product Line Engineering WG - Open Workshop	Sunday	10:00	12:00	Open/Working session		Salon A	Rowland Darbin, Drew Stovall	Product Line Engineering;	Working Group
Resilient Systems Working Group	Sunday	10:00	12:00	Open/Working session	LDSE Strategy with INCOSE Leadership	Pier 5	Kenneth Cureton	Resilient Systems;	Working Group
SE Vision 2035 Q&A	Sunday	10:00	11:00	Open/Working session	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	Pier 11	Sanford Friedenthal, Chris Davey, Paul Nielsen, Chris Oster, Garry Roedler, Heinz Stoewer	SE Vision 2035 Special Project	Working Group
Standards Development Department Policy and Practices	Sunday	10:00	12:00	Closed	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.	Pier 9	Richard Martin, Daniel Siegl	Standards Development Department	Working Group
SysML v2 Demo	Sunday	10:00	15:00	Open/Working session	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.	Salon F	Sanford Friedenthal, Edwin Seodewotz	MBSE Initiative;#MBSE;	Working Group
BKCASE Governing Board Meeting	Sunday	10:30	12:00	Closed	The Board of Governors will review progress, plans, budget, and other considerations for 2020 and beyond.	-	Art Pyster	BKCASE	Business Meeting
Events - IS2022 Update	Sunday	10:30	12:00	Closed		Pier 3	Donna Long		Business Meeting
Fellows Selection Committee	Sunday	10:30	12:00	Closed		Pier 6	Bob Kenley, Greg Parnell		Business Meeting
Knowledge Management Primer	Sunday	10:30	12:00	Open/Working session	Goal is to share draft, get feedback and work on the document improvement.	Salon H	Jean Duprez, Robert Nilsson	Knowledge Management;	Working Group
Honours & Awards Committee	Sunday	11:00	11:30	Closed		Pier 11	Ralf Hartmann		Business Meeting
Board of Directors Meeting	Sunday	12:00	17:30	Closed		Pier 5	Marilee Wheaton		Business Meeting
SEP's Luncheon for ASEPs, CSEPs and ESEPs	Sunday	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.	-	FALSE		Social Event
System Thinking RoundTable (STRT)	Sunday	12:00	13:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group

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Agile Systems & SE WG General Meeting	Sunday	13:00	15:00	Open/Working session	Intro to the working group, a review of current project status, proposed new projects, and general discussion.	Pier 1	Rick Dove	Agile Systems and Systems Engineering;	Working Group
Critical Infrastructure Protection & Recovery Workshop	Sunday	13:00	17:30	Open/Working session	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 Call-in Time: This is a recurring meeting Meet anytime. Join Zoom Meeting <a href="https://incose-org.zoom.us/j/91326068478?pwd=SkpmdGVLV2NkVXdUUmRDakJkdk1qUT09MeetingID:91326068478Passcode:268927OneTapMobile:+16699006833.91326068478#...">https://incose-org.zoom.us/j/91326068478?pwd=SkpmdGVLV2NkVXdUUmRDakJkdk1qUT09MeetingID:91326068478Passcode:268927OneTapMobile:+16699006833.91326068478#...</a> *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-free Meeting ID: 913 2606 8478 Passcode: 268927 Find your local number: <a href="https://incose-org.zoom.us/j/91326068478">https://incose-org.zoom.us/j/91326068478</a> Join by Skype for Business <a href="https://incose-org.zoom.us/skype/91326068478">https://incose-org.zoom.us/skype/91326068478</a>	Pier 10	Daniel Eisenberg	Critical Infrastructure Protection and Recovery;	Working Group
Handbook Editor Meeting	Sunday	13:00	17:00	Closed	Coordination and discussions on the INCOSE SE Handbook Fifth Edition	Pier 7	Dave Walden	SE Handbook	Working Group
Heuristics Team	Sunday	13:00	17:30	Open/Working session	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.	Pier 9	Dorothy McKinney	Heuristics	Working Group
INCOSE MBSE Patterns Working Group	Sunday	13:00	15:00	Open/Working session	Welcome and introduction to the MBSE Pattern Working Group's goals and focus. Introduction of meeting participants. Overview of MBSE Patterns subject matter and relevance. Status of current working group projects and activities; related Q&A and interests. Discussion of additional and future interests of attendees. Adjourn.	Salon BC	William Schindel, Troy Peterson	MBSE Patterns; #MBSE;	Working Group
IWG Product Development	Sunday	13:00	16:00	Open/Working session	Progress on Guide for the Application of Systems Engineering in Large Infrastructure Projects	Pier 8	Alain Kouassi	Infrastructure;	Working Group
Requirements Working Group - General Meeting	Sunday	13:00	15:00	Open/Working session	Requirement Working Group general meeting, covering: Overview of 2021 RWG activities. Status of RWG Publications and Products. Plans for 2022.	Salon A	Tami Katz	Requirements; #M BSE;	Working Group
Spatial skills and SE	Sunday	13:00	14:30	Open/Working session	Spatial skills are the basis for success in design and SE.	Pier 11	Curt McNamara, Alex Wolf	Natural Systems;	Working Group
Systems Science Working Group - 2B - Category Theory Tutorial	Sunday	13:00	15:00	Open/Working session	Joint session to present tutorial on Category Theory applied to Systems Engineering with National Institute of Science and Technology (NIST).	Salon G	Michael Watson, Javier Calvo-Amodio	Complex Systems; Natural Systems; System of Systems; Systems Science; #MBSE;	Working Group
Digital Engineering Measurements	Sunday	13:30	15:30	Open/Working session	Overview of the Digital Engineering Measurements Framework. Review and comment on the Digital Engineering Measurements Framework product.	Salon H	Frank Salvatore	Digital Engineering Information Exchange; Lean Systems Engineering; MBS E Initiative; Measurement; PM-SE Integration; Process Improvement;	Working Group
Architecture Working Group meetings	Sunday	14:00	16:30	Open/Working session	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 Gamier - 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 EMEA workshop (Jean-Luc Gamier - 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/IEEE 42020 - Architecture Processes (Anand Kumar - 30 mins) 2) Discussion on ISO/IEC/IEEE 42010 - Architecture Description (Jean-Luc Gamier - 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 Gamier - 30 mins) 2) Discussions on Final presentation for INCOSE Market place (Anand Kumar/Jean-Luc Gamier - 30 mins) 3) Any other Topic (1 hour)	Pier 2+4	Anand Kumar, Jean-Luc Gamier	Architecture; #M BSE;	Working Group
Comms Networks as Critical Infrastructure	Sunday	14:00	15:00	Open/Outreach session	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.	Pier 6	Susan Ronning	Critical Infrastructure Protection and Recovery; Healthcare; Infrastructure; Power & Energy Systems; Smart Cities Initiative; System of Systems; Telecommunications; Transportation;	Working Group
Human Systems Integration	Sunday	14:00	15:30	Open/Working session	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.	Pier 3	Guy Andre Boy	Human Systems Integration;	Working Group
Decision Analysis Working Group	Sunday	15:00	17:00	Open/Working session	Review the status of the DEWG. Define and Select products to work on.	Pier 6	Frank Salvatore, Greg Parnell	Decision Analysis;	Working Group

IW2022 Program by Day

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
Systems Science Working Group - 2C - Category Theory Systems Engineering Discussion	Sunday	15:30	17:30	Open/Working session	Joint session for discussion of INCOSE members on Category Theory applied to Systems Engineering with National Institute of Science and Technology (NIST).	Salon G	Michael Watson, Javier Calvo-Amodio	Complex Systems;Natural Systems;System of Systems;Systems Science;#MBSE;	Working Group
MBSE Reception	Sunday	18:00	19:00	MBSE Workshop Participants		The Strand	Troy Peterson	MBSE;	Social Event
<b>Monday</b>									
Events core planning committee	Monday	07:00	08:00	Closed	Operations coordination	Pier 3	Donna Long		Business Meeting
System Thinking RoundTable (STRT)	Monday	07:00	08:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Automotive Working Group Session	Monday	08:00	10:30	Open/Working session	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)	Pier 6	Gary Rushton, Alain Dauron	Automotive;	Working Group
CSWG Heuristics Focus Team Results	Monday	08:00	10:00	Open/Working session	Meeting of the CSWG Heuristics Focus Team joint with the Heuristics Team to review results of maturing complex system heuristics.	Salon A	Michael Watson	Complex Systems;	Working Group
Events - IS2023 Meeting	Monday	08:00	09:00	Closed		Pier 3	Donna Long		Business Meeting
INCOSE Product Development and You	Monday	08:00	09:00	Open		Salon D	Christopher Hoffman, Lori Zipes		Business Meeting
INCOSE Social Systems Engineering, AI & Ethics Workshop	Monday	08:00	10:00	Open/Working session	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 perspective3. [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	Salon C	Erika Palmer	Artificial Intelligence Systems;Complex Systems;Social Systems;Systems Engineering Quality Management (SEQM);	Working Group
OpenMBEE Workshop	Monday	08:00	17:00	Open/Working session	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)	Salon E	Myra Lattimore, Dan Karlsson, Lucas Aviles	Agile Systems and Systems Engineering;Digital Engineering Information Exchange;Enterprise Systems;MBSE Initiative;MBSE Patterns;Object-Oriented Systems Engineering Method (OOSEM);Open Source Systems Engineering Models;#MBSE;	Working Group
Systems of Systems Working Group Sessions	Monday	08:00	11:00	Open/Working session	This will be a working session addressing current SoS WG initiatives	Salon B	Judith Dahmann, Alan Harding	System of Systems; Complexity; Power and Energy	Working Group
Budget & Planning	Monday	09:00	10:00	Closed		Pier 1	Mike Vinarcik		Business Meeting
Enterprise Transformation in the 21st Century	Monday	09:00	11:30	Open/Working session	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	Pier 8	Randall Anway, Bruce McNaughton, William Hubbard, Tom McDermott	Enterprise Transformation;Complex Systems;Social Systems;Systems Engineering Quality Management (SEQM);#MBSE;	Working Group
FuSE Security Topic - Review of INSIGHT Article Submissions	Monday	09:00	17:00	Open/Working session	Approximately 13 articles to review on strict schedule, articles can be downloaded, authors make short presentation, live & remote audience offers comments and suggestions.	Salon F	Rick Dove	Systems Security Engineering;	Working Group
IS2022 Technical review	Monday	09:00	12:00	Closed	Finalization of IS2022 reviews and draft program	Pier 7	Dave Walden		Business Meeting
Knowledge Map Kick-off	Monday	09:00	10:00	Open/Working session	Kick-off to start implementing the TPP for knowledge map.	Pier 3	Jean Duprez, Robert Nilsson, Eric Burgers	Knowledge Management;	Working Group
Resilient Systems Working Group	Monday	09:00	12:00	Open/Working session	RSWG Future Strategy, including products and Collaboration with other Working Groups	Pier 9	Kenneth Cureton	Resilient Systems;	Working Group
Standards Development Department Opportunities	Monday	09:00	10:00	Open/Working session	This is an opportunity for INCOSE members not already engaged in the development of International Standards to get information about participation opportunities.	Pier 5	Richard Martin, Daniel Siegl	Standards Development Department	Working Group
Systems Science Working Group - 3A - SE Principles and Heuristics	Monday	09:00	10:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, David Rousseau, Mike Pennotti, Peter Brook	#MBSE;	Working Group
AI Systems Working Group	Monday	10:00	12:00	Open/Working session		Pier 11	Barclay Brown		Working Group
Creating your Chapter strategic and operating plans	Monday	10:00	12:00	Open/Working session		Pier 3	Renee Steinwand	Chapters	Business Meeting
Digital Engineering Information Exchange	Monday	10:00	12:00	Open/Working session	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	Pier 1	Frank Salvatore, Terri Chan, Sean McGervey, Celia Tsang	Digital Engineering Information Exchange;#MBS E;	Working Group
IWG 2022 Planning Meeting	Monday	10:00	12:00	Open/Working session	Quad Chart and Plans for 2022	Salon H	Alain Kouassi	Infrastructure;	Working Group

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
PM-SE Integration Overview/Plenary	Monday	10:00	12:00	Open/Outreach session	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.	Pier 2+4	Tina Srivastava, Jean-Claude Rousset	PM-SE Integration;	Working Group
Recipes for Working Groups	Monday	10:00	12:00	Open	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 Swarz 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.  These Tips for Effective Working Groups is an outcome of these efforts.  1. Forming a Working Group 2. Working Group Leadership 3. Working Group Communications 4. Working Group Product Development 5. Working Group Productivity 6. Sustaining a Working Group 7. Other Comments Appendix  1. Forming a Working Group •Only form a Working Group where there is a compelling need or interest that can be identified •Stakeholders should be clearly and comprehensively identified and involved •It is essential to have a core group of passionate individuals who are vested in the effort •Working group should have multiple leaders—including co-chair(s) committed to working group output—to maintain momentum, identify milestones, and provide backup	Salon D	Christopher Hoffman, Olivier Dessoude, Carl Landrum, Phyllis Marbach, Jimmie McEver, Bob Swarz		Business Meeting
Systems Science Working Group - 3B - Transdisciplinary Systems Engineering	Monday	10:00	12:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, David Rousseau, Mike Pennotti, Peter Brook	#MBSE;	Working Group
Fellows Meeting	Monday	10:30	12:00	Closed		Pier 6	Bob Kenley, Greg Parnell		Business Meeting
Joint Session of CSWG and SoSWG	Monday	10:30	12:30	Open/Working session	Joint session to discuss relationship of complex systems topics and system of systems topics.	Pier 5	Michael Watson	Complex Systems;System of Systems;	Working Group
SETDB - Demonstration and Open Forum	Monday	10:30	12:00	Open/Working session	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.	Salon A	John Nallon, Stephanie Lacrampe, Rene King	SE Tools Database;#MBS E;	Working Group
Product Line Engineering - Member Working Meeting	Monday	11:00	12:00	Open/Working session		Salon C	Rowland Darbin, Drew Stovall	Product Line Engineering;	Working Group
System Thinking RoundTable (STRT)	Monday	12:00	13:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Chapter Leader training	Monday	13:00	15:00	Open/Working session		Salon A	Renee Steinwand	Chapter Leaders	Business Meeting
CSWG Primer Future Revisions Action Plan	Monday	13:00	15:00	Open/Working session	Meeting to formulate specific action plan to address challenging questions raised on complex systems leading to a future Complexity Primer update.	Salon B	Michael Watson	Complex Systems;	Working Group
Digital Engineering Body of Knowledge	Monday	13:00	15:00	Open/Working session	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 audience DEBoK 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.	Pier 5	Frank Salvatore	Knowledge Management; Digital Engineering Body of Knowledge	Working Group
Digital Engineering Measurements	Monday	13:00	15:00	Open/Working session	Overview of the Digital Engineering Measurements Framework Review and comment on the Digital Engineering Measurements Framework product.	Salon H	Frank Salvatore	Digital Engineering Information Exchange; Lean Systems Engineering; MBS E Initiative; Measurement; PM-SE Integration; Process Improvement;	Working Group
Handbook Editor Meeting	Monday	13:00	17:00	Closed	Coordination and discussions on the INCOSE SE Handbook Fifth Edition	Pier 7	Dave Walden	SE Handbook	Working Group
Resilient Systems Working Group	Monday	13:00	15:00	Open/Working session	SEBoK 1st Cycle 2022 Planning: v2.6-- Resilience Engineering, Resilience Modeling, and LDSE	Pier 9	Kenneth Cureton	Resilient Systems;	Working Group
Systems Engineering Transformation Narratives	Monday	13:00	15:30	Open/Working session	5 min - Introductions 20 min - Panel: SE in Governance; Themes in Policy and Justice 10 min - QA and breakout instructions 55 min - team breakout sessions with host pop-ins 45 min - reconvene and team presentations 5 min - Closing	Pier 8	Randall Anway, Paul McGoey, Bernard Mohr, Jennifer Russell, Kay Aikin	Human Systems Integration; Social Systems; #MBSE;	Working Group
Systems Science Working Group - 3C - Critical Systems Thinking and Practice	Monday	13:00	15:00	Open/Working session		Salon G	Javier Calvo-Amodio, James Martin, Mike C. Jackson	#MBSE;	Working Group

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
Architecture Working Group meetings	Monday	14:00	16:30	Open/Working session	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 Gamier – 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 EMEA workshop (Jean-Luc Gamier - 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/IEEE 42020 - Architecture Processes (Anand Kumar – 30 mins)2) Discussion on ISO/IEC/IEEE 42010 - Architecture Description (Jean-Luc Gamier – 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 Gamier – 30 mins)2) Discussions on Final presentation for INCOSE Market place (Anand Kumar/Jean-Luc Gamier – 30 mins)3) Any other Topic (1 hour)	Pier 2+4	Anand Kumar, Jean-Luc Gamier	Architecture;#MB SE;	Working Group
IT Strategy Meeting	Monday	14:30	16:00	Closed		Pier 1	Barclay Brown		Business Meeting
Decision Analysis Working Group	Monday	15:00	17:00	Open/Working session	Review the status of the DEWGDefine and Select products to work on.	Pier 6	Frank Salvatore, Greg Parnell	Decision Analysis;	Working Group
SBSE Work Product Publication, SBIR/STTR Goals and Objectives	Monday	15:00	17:00	Open/Working session	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.	Pier 3	Angela Robinson	Small Business Systems Engineering;	Working Group
AI Principles and ISO15288	Monday	15:30	17:00	Open/Working session	The complexity and complicatedness of our world is escaping our ability to comprehend, work, interact, and live successfully within it. VUCA (Volatility, Uncertainty, Complexity and Ambiguity) abounds in our society and the systems we have to deal with. Multivac is the name of a fictional supercomputer, used for directing the global economy and humanity's development, featured in over a dozen science fiction stories by Isaac Asimov. Asimov also in his robot and galactic empire book postulated not just the classic 3 (later 4) laws of robotics but also the existence of corresponding (and more complex) laws of humanics. These notational principles would become the mathematical constructs for psychohistory. This being a science capable of understanding and predicting the mass sociological patterns of humanity. In his foundation series, this science was used to mitigate a 30,000 year period of galactic chaos and suffering, to a mere 1,000 years. Science fiction perhaps, but the potential is emerging and somewhat analogous. The buffers of time and space that our planet provides have been depleted such that we are now truly experiencing the emergent effects in global crises. We could certainly benefit from an AI like multivac, whose processing of global information with suitable programming, could be rapidly adaptive (beyond anything that any individual or group of humans could achieve) to global circumstances. However such programming must also ensure sufficient constraints to serve humanity benignly and ethically within the context of AI laws. This session will explore the mapping of postulated AI principles[1] in the support of the human activity system and the ISO15288 system engineering processes. All presented in the context of a framework[2] derived from holarchy and relational theory.	Pier 11	Javier Calvo, Gary Smith	Systems Science;	Working Group
Nominations & Elections	Monday	15:30	17:00	Closed	Routine NOMELEC meeting, first under new chair Bob Kenley	Salon H	Garry Roedler, Paul Schreinemakers	Admin/Committee meeting;Nominati on	Business Meeting
Resilient Systems Working Group	Monday	15:30	17:00	Open/Working session	Resilience Primer Development	Pier 9	Kenneth Cureton	Resilient Systems;	Working Group
Sector I Leaders meeting	Monday	15:30	17:30	Open/Working session		Salon D	Renee Steinwand	Chapters	Business Meeting
Sector I Leaders Meet & Greet reception	Monday	17:30	18:30	By invitational only		Salon D	Renee Steinwand		Social Event
<b>Tuesday</b>									
System Thinking RoundTable (STRT)	Tuesday	07:00	08:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Architecture Working Group meetings	Tuesday	08:00	10:00	Open/Working session	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 Gamier – 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 EMEA workshop (Jean-Luc Gamier - 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/IEEE 42020 - Architecture Processes (Anand Kumar – 30 mins)2) Discussion on ISO/IEC/IEEE 42010 - Architecture Description (Jean-Luc Gamier – 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 Gamier – 30 mins)2) Discussions on Final presentation for INCOSE Market place (Anand Kumar/Jean-Luc Gamier – 30 mins)3) Any other Topic (1 hour)	Pier 2+4	Anand Kumar, Jean-Luc Gamier	Architecture;#MB SE;	Working Group



IW2022 Program by Day

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
Digital Engineering Body of Knowledge	Tuesday	08:00	09:00	Open/Working session	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 audience. DEBoK 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.	Pier 5	Frank Salvatore	Knowledge Management; Digital Engineering Body of Knowledge	Working Group
IS2022 Technical review	Tuesday	08:00	12:00	Closed	Finalization of IS2022 reviews and draft program	Pier 7	Dave Walden		Business Meeting
OpenMBEE Workshop	Tuesday	08:00	12:00	Open/Working session	Overflow/backlog 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)	Salon E	Myra Lattimore, Dan Karlsson, Lucas Aviles	Agile Systems and Systems Engineering; Digital Engineering Information Exchange; Enterprise Systems; MBSE Initiative; MBSE Patterns; Object-Oriented Systems Engineering Method (OOSEM); Open Source Systems Engineering Models; MBSE;	Working Group
Systems of Systems Working Group Sessions	Tuesday	08:00	11:00	Open/Working session	This will be a working session address current systems of systems initiatives	Salon B	Judith Dahmann, Alan Harding	System of Systems; Complexity; Power and Energy	Working Group
Systems Security Engineering WG General Meeting	Tuesday	08:00	10:00	Open/Working session	Intro to the working group, a review of current project status, proposed new projects, and general discussion.	Pier 9	Rick Dove	Systems Security Engineering; #MBSE;	Working Group
Model Portfolio Management Guide Review	Tuesday	08:30	10:00	Open/Working session	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.	Salon A	Misak Zetliyan, John Nallon, Mark Williams	Tools Integration & Model Lifecycle Management;	Working Group
PM-SE Integration - SE Handbook update	Tuesday	08:30	10:00	Open/Working session	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.	Salon C	Jean-Claude Rousset, Tina Srivastava	PM-SE Integration;	Working Group
Configuration Management Working Group	Tuesday	09:00	12:00	Open/Working session	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	Pier 6	Adriana D'Souza, Aleksander Przybylo, Dale Brown, Aryes Lahiry	Configuration Management;	Working Group
Events	Tuesday	09:00	10:00	Closed		Pier 3	Donna Long		Business Meeting
Introduction to the Digital Systems Engineering Process model	Tuesday	09:00	10:00	Open/Working session	Goal is to :- introduce the product to the audience.- gather use cases for the product development.	Pier 8	Jean Duprez, Robert Nilsson, Alexander Efremov	Architecture; Knowledge Management; MBSE Initiative;	Working Group
NAFEMS-INCOSE SMS Community meeting	Tuesday	09:00	12:00	Open/Outreach session	Provide overview of NAFEMS-INCOSE collaboration, SMSWG organization and activities including input to SE 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	Pier 10	Peter Coleman, Frank Popielas	NAFEMS-INCOSE Systems Modeling & Simulation; #MBS E;	Working Group
Policy Management Committee	Tuesday	09:00	10:30	Closed	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.	Pier 1	KIRK MICHEALSON	Business Meeting;	Business Meeting
Social Systems WG Planning	Tuesday	09:00	10:00	Open/Working session	5 min - Introductions 20 min - IW Session Reports 5 min - QA and breakout instructions 10 min - breakout sessions with host pop-ins 15 min - reconvene and planning discussion 5 min - Closing	Pier 11	Randall Anway, Shamsnaz Bhada, Erika Palmer	Social Systems; #MBSE;	Working Group
Standards Development Department Opportunities	Tuesday	09:00	10:00	Open/Working session	An open meeting for folks interested in participating in the development of International Standards.	Pier 5	Richard Martin, Daniel Siegl	Standards Development Department	Working Group
Category Theory Consortium Formulation	Tuesday	10:00	12:00	Closed	Joint session to discuss a Consortium on Category Theory with National Institute of Science and Technology (NIST).	Pier 3	Michael Watson, Javier Calvo-Amodio	Complex Systems; Systems Science;	Working Group
Digital Engineering Body of Knowledge	Tuesday	10:00	12:00	Open/Working session	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 audience. DEBoK 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.	Pier 5	Frank Salvatore	Knowledge Management; Digital Engineering Body of Knowledge	Working Group
HSI Primer Writing Workshop	Tuesday	10:00	12:00	Open/Working session	The aim of this workshop session is to continue the writing and discussions around the latest iteration of the HSI Primer, recent structure of the content and future planning for events. This session will also involve IW summary and wash-up and setting of actions.	Pier 8	Grace Kennedy, Guy Andre Boy	Human Systems Integration; Social Systems;	Working Group
SEH v5 Feedback Review & Planning	Tuesday	10:00	12:00	Open/Outreach session		Salon H	Kenneth Cureton		Working Group

IW2022 Program by Day

Meeting Name	Date	Time Start	Time End	Meeting Listing	Meeting Description	Room	Contact Name	Related WG	Type
Systems Engineering Quality Management Working Group	Tuesday	10:00	12:00	Open/Working session		Pier 11	Barclay Brown		Working Group
PDES/LOTAR Data Exchange Standards Update and Open Forum	Tuesday	10:30	12:00	Open/Working session	An update of the MBSE data exchange standards, projects and prototyping by PDES Inc., LOTAR, INCOSE, other organizations and tool vendors.	Salon A	Misak Zetliyan, John Nallon, Mark Williams	Tools Integration & Model Lifecycle Management;	Working Group
PM-SE WG session on SEBoK update Initiative	Tuesday	10:30	12:00	Open/Working session	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 need 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!	Pier 9	Tina Srivastava	PM-SE Integration;	Working Group
Wiley / INCOSE Strategy Meeting	Tuesday	11:00	13:00	Closed	Strategy Meeting	Pier 1	Christine Kowalski	Business Meeting;Wiley Journal Strategy Meeting	Business Meeting
System Thinking RoundTable (STRT)	Tuesday	12:00	13:00	Open		Salon A	Sue Gabriele, Jawahar Bhalla, Chris Browne		Working Group
Handbook Editor Meeting	Tuesday	13:00	14:30	Closed	Coordination and discussions on the INCOSE SE Handbook Fifth Edition	Pier 7	Dave Walden	SE Handbook	Working Group
Planning and executing a great chapter meeting	Tuesday	13:00	15:00	Open/Working session		Salon A	Renee Steinwand	Chapters	Business Meeting
TPP 2.0 Conference Room Pilot	Tuesday	13:00	14:00	Open/Working session	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.TPP 2.0 Project OverviewPurpose INCOSE Tech Ops's Technical Product Plan (TPP) process is essentially a "fancy change request system" for Tech Ops products. The TPP process is in-place and operational now, accessible via INCOSE Connect, and built-in Sharepoint. The current system resides on an older version of Sharepoint and relies upon custom coding that is not readily accessible to INCOSE to make changes or fix errors. The purpose of this project is to migrate the existing Sharepoint-based TPP intake, review, approval, and publication processes to Smartsheet and Teams platforms where they can be managed, shared, and evolved over time by INCOSE staff and members. This platform migration [to a combination of Smartsheet, Teams, and Microsoft cloud-based tools] is consistent with the current direction of INCOSE's operational IT evolution and will be familiar to INCOSE members and users who have interacted with other Smartsheet or Teams-based initiatives. Objectives Successful execution of this project will meet the following objectives: Move the TPP process and documentation onto a combination of Smartsheet and Teams platforms, replacing the existing Sharepoint-based system which relies upon custom coding and is prone to error. Provide a clean, intuitive interface consistent w/ INCOSE branding and other INCOSE Smartsheet tools Improve the TPP process and navigation for users, reviewers, and admins Provide self-serve access to submitters, reviewers, and approvers to the things they need to act on Provide real-time metrics of relevant data for audiences such as Board, TechOps leadership, etc. Link key pieces of the TPP system back into the INCOSE website and Connect for maximum access to data, as appropriate Benefits Successful execution of the identified objectives will result in the following benefits: TPP	Pier 1	Christopher Hoffman, Lori Zipes	Business Meeting;Impactful Products Committee	Business Meeting
Closing Plenary	Tuesday	15:00	16:00	Open		Salon D	Christopher Hoffman, Olivier Dessoude		Plenary
Closing Reception and Working Group Market Place	Tuesday	16:00	18:30	Ticket Required	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.	Lighthouse Ballroom	FALSE		Social Event