

Meeting Name	Contact Name	Meeting day(s)	Start time	End time	Meeting Listing	Room	Meeting Description	Related WG	Type
Advancing Systems Engineering in the Face of Complexity	Javier Calvo-Amodio, Bill Miller, David Rousseau, Michael Pennotti, Peter Brook	Sun, 02 Feb	09:30	11:30	Hybrid session	España 5	This session explores key findings from the Bridge Team (Fuse and Systems Science Working Group special project), based on Systems Engineering Journal Publications and INCOSE's Insight Vol. 27, Issue 2 (2024) and will be broken into two parts as follows:Part 1: Systems Engineering and the Pursuit of Elegance: A Transdisciplinary Approach to Complex ProblemsPurpose: Explore why it is essential to attain increasingly elegant solutions to increasingly complex problems.Objective: Attendees will learn how systems engineering is linked to numerous disciplines and social institutions, showcasing its multifaceted impact.Structure: Presentation and open discussion.Timing: 45 minutesPart 2: The Spectrum and Evolution of Systems Engineering's Guiding PropositionsPurpose: Explore why it is essential to understand the origin and evolution of any guiding proposition and develop such a guiding proposition into a principle to meet the challenges of Industry 4.0 and Society 5.0.Objective: Attendees will learn how this process will enhance the elegance and transdisciplinary value of systems engineering principles and aid in solving complex problems.Structure: Presentation and open discussion.Timing: 45 minutes	Future of Systems Engineering (FuSE);Systems Science;;	Working Group
Academic Council	Alejandro Salado	Sun, 02 Feb	13:30	15:30	Hybrid session	Cartuja	This meeting will focus on:- Summary of the status of the different initiatives carried out by Academic Matters.- Formally kick off the new Academic Council.- Select the Chair of the Academic Council.	Academic Council;	Business Meeting
Academic Equivalency Roundtable Discussion	Courtney Wright, Chris Browne	Sun, 02 Feb	16:00	18:00	Hybrid session	Andalucia 2	Purpose: Current Academic Equivalency universities to share information on what their AcEq looks like, what is going well, and where they could use improvement.Objective: Share and capture information to help current and future AcEq universities learn how to be successful, and to help the Certification office improve its support. A report will be shared afterward with both the content of the session and additional information that was requested during the session. Structure: The facilitator (Chris Browne) will share information about AcEq from INCOSE's perspective (e.g., # of student names submitted, # of undergrad vs grad programs) and will ask university representatives to react to this information. He will have prepared questions for discussion based on information that is desired to be captured and shared in the future, but he will also allow time for current AcEq universities to raise their own questions. Priority will be given to current AcEq universities sharing information with each other. Questions that can be answered by INCOSE staff will be captured and handled offline. Timing: 2 hours	Certification;	Working Group
Agile Systems & SE Working Group General Meeting	Rick Dove, Robin Yeman	Sat, 01 Feb	15:30	17:00	Hybrid session	Andalucia 2	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Agile Systems and Systems Engineering;;	Working Group
AI and SE Mini Tutorial for Systems Engineers	Ali Raz	Sun, 02 Feb	10:00	12:00	Hybrid session	España 4	A mini-tutorial on AI and SE for Systems Engineering: (Intro to AI, ML, DNNs, RL, LLMS, Artificial Intelligence Systems;; AI4SE, SE4AI, etc.)	Artificial Intelligence Systems;;	Working Group
AI WG Leadership Meeting	Ali Raz	Tue, 04 Feb	10:30	12:00	Closed session	Andalucia 7	Re-Cap of IW for AI WG projects leads	Artificial Intelligence Systems;;	Working Group

AI Working Group Overview Meeting	Ali Raz	Sat, 01 Feb	13:00	15:00	Hybrid session	España 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: General Working MeetingObjective: Overview of AIWG, on-going projects, SERC AI Road Map, and AI WG Directions Structure: Presentation by the WG leads Timing: 2 hours	Artificial Intelligence Systems;;	Working Group
AI4RE Meeting	Ramki Raman, Kevin Orr	Sun, 02 Feb	13:30	15:30	Hybrid session	Andalucia 2	Purpose: An AI4RE meeting for all work streams. Objective: Go over overall project objectives, status, actions from kick off, etc.Structure: Hybrid, open discussionTiming: 2 hours	Artificial Intelligence Systems;Requirements;;	Working Group
	Ramki Raman, Kevin Orr	Mon, 03 Feb	10:30	12:00	Hybrid session	Triana 2	Purpose: AI4RE Workstream #1Objective: Discuss planning for AI4RE Workstream #1Structure: Hybrid, open discussionTiming: 1.5 hours	Artificial Intelligence Systems;Requirements;;	Working Group
	Ramki Raman, Kevin Orr	Mon, 03 Feb	13:30	15:30	Hybrid session	Triana 2	Purpose: AI4RE Workstream #2Objective: Discuss planning for AI4RE Workstream #2Structure: Hybrid, open discussionTiming: 2 hours	Artificial Intelligence Systems;Requirements;;	Working Group
	Ramki Raman, Kevin Orr	Mon, 03 Feb	16:00	18:00	Hybrid session	Triana 2	Purpose: AI4RE Workstream #3Objective: Discuss planning for AI4RE Workstream #3Structure: Hybrid, open discussionTiming: 2 hours	Artificial Intelligence Systems;Requirements;;	Working Group
Americas Sector Chapter Leaders Meeting	Renee Steinwand	Sun, 02 Feb	13:30	15:30	Hybrid session	España 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Business Meeting;;	Business Meeting
Architecture Scientification I - Foundations (Note: This is about feeding the BOK).	Alejandro Salado, William Miller	Sat, 01 Feb	13:30	15:00	Hybrid session	Triana 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: Initiate a community-wide activity to establish a Book of Knowledge that collects evidence about how architecture heuristics influence the ilities.Objective: Identify a group of early adopters, present a formal framework for characterizing heuristics and ilities, and establish a roadmap.Structure: (1) Presentation of rationale and history of work sponsored by the U.S. Army for the scientification of architecture. (2) Presentation of a formal framework for characterizing heuristics and ilities, and (3) round tables to establish a roadmap of action.Timing: 1.5 hours	Future of Systems Engineering (FuSE);;	Working Group
Architecture WG	Jean-Luc Garnier, Anand Kumar, Rolf Siegers	Sat, 01 Feb	10:00	17:00	Hybrid session	Andalucia 1	Purpose: Deliberate on the Future of Architecture practice Objective: Set a vision for the Future of Architecting and present the best practices in Architecture as documented in ISO/IEC/IEEE standards. Discuss about a potential problem area on ArchitectureAgenda: 10-11 hrs ==> Introduction (Jean-Luc Garnier, Rolf Siegers, Anand Kumar)11-12 hrs ==> Vision for the Future of Architecture, Products and Services (Anand Kumar)13-14 hrs ==> Presentation and Discussion on ISO/IEC/IEEE 42024 - Architecture Fundamentals (James Martin, Anand Kumar)14-15 hrs ==> Presentation and Discussion on ISO/IEC/IEEE 42042 - Reference Architectures (James Martin, Anand Kumar, Peter Bernus)15:30-17:30 hrs ==> Discussion on Scientific aspects of Architecture (Alejandro Salado, Jean-Luc Garnier, Anand Kumar, Rolf Siegers)	Architecture;;	Working Group
	Jean-Luc Garnier, Anand Kumar, Rolf Siegers	Sun, 02 Feb	09:30	18:00	Hybrid session	Andalucia 1	Purpose: Establish the fundamentals of Architecture CompetencyObjective: How to grow an architect? What are the training opportunities? How to deal with Architecture in an evolving context? Agenda: 09:30-11 hrs ==> Architecture Training Oppurtunities Workshop (Rolf Siegers)11-12 hrs ==> Grow an Architect workshop - Part 1 (Rolf Siegers)13:30-15 hrs ==> Grow an Architect workshop - Part 2 (Rolf Siegers)15:30-17:30 hrs ==> Architecture and Architecting in an uncertain context (Jean-Luc Garnier, Gerrit Muller [To be confirmed])15:30-17:30 hrs ==> Discussion on Scientific aspects of Architecture (Alejandro Salado, Jean-Luc Garnier, Anand Kumar, Rolf Siegers)	Architecture;;	Working Group
	Jean-Luc Garnier, Anand Kumar, Rolf Siegers	Tue, 04 Feb	09:00	12:00	Hybrid session	Andalucia 3	Purpose: Roadmap for the Future and HousekeepingObjective: Discuss about the work done by INCOSE UK ArchWG and AFIS ArchWG Agenda: 9-10 hrs ==> INCOSE UK ArchWG Presentation (Tim Rabbets)10:30-11:30 ==> AFIS ArchWG Presentation (Jean-Luc Garnier)11:30-12:30 ==> Housekeeping	Architecture;;	Working Group

Asia & Ocenia Sector 3 Meeting	Quoc Dr. Do, Marco Forlingieri	Mon, 03 Feb	10:00	12:00	Hybrid session	Andalucia 2 Purpose: Sector 3 Meeting gathering to discuss 2025 agenda, events and strategy Objective: Discuss 2025 agenda and strategy, call to action Structure: Introduction roundtable, Presentation and Update from each Sector 3 chapter, Discussion Timing: 90 min	Asia & Oceania Sector 3;	Business Meeting
Automotive #3	ALAIN DAURON	Sun, 02 Feb	17:00	18:00	Hybrid session	Andalucia 7 This meeting content will be adjusted depending on attendees agenda constraints, and will be reflected in the on-line program (web page and app) Several contents to be confirmed, refined and shared with the other Automotive WG slot on Monday 14:30 :- Regional Automotive WGs:Feedback about the AWG-JCOSE/AWG way of working, possible improvements,possible French or European similar group(s) (depending on the attendees).- New Workstreams for 2025? SEHv5 refreshed paragraph?DE Guide contribution (DEIX WG proposal) ?How to « sell SE ROI » in Automotive domain (incl. “best practices”) ?Main SE Skills for Automotive domain ?- Longer SDV & SOA session ?	Automotive;;	Working Group
Automotive & Systems And Software Interface WGs common meeting	ALAIN DAURON	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 7 This slot will be shared between the two Working Groups (many SaSI in the Automotive context !):- Automotive - Systems and Software Interface Agenda will be refined before the workshop, please consult the IW web pages or the app !	Automotive;Systems and Software Interface;;	Working Group
Automotive WG	Alain DAURON	Sun, 02 Feb	13:30	15:30	Hybrid session	Andalucia 7 Two hours during this slot : 13h30-14h30 : Automotive WG general information meeting. The Automotive Working Group will present in particular the progress of its 6 Wokrstreams, out of which 5 started in 2024. We shall also present the 2025 program and the other AWG slots during the Workshop. 13h30-14h30 : EV example in MiliCare :We shall host a special presentation from AFIS (Yann Chazal), followed by discussions, about the “Electric Vehicle case” addressed in the recent AFIS Project “MiliCare” (like “take care of the milieu”). It includes an analysis of the growing controversy around EVs, even in Europe, and an enriched SE approach most suited to this case, where both the “product” (eg vehicle) and the “milieu” (daily mobility basin) re both intertwined and experience a co-evolution.	Automotive;;	Working Group
	Alain DAURON	Mon, 03 Feb	13:30	15:30	Hybrid session	Andalucia 7 Two hours during this slot : 13h30 to 14h30: STPAWe shall have a presentation from David Hetherington about STPA, followed by a discussion. David will address in particular the workflow to ISO26262 and to ISO/SAE 21434, the Automotive standards about Functional Safety and Cyber-Security. 14h30 to 15h30 : This meeting content will be adjusted depending on attendees agenda constraints, and will be reflected in the on-line program (web page and app) Several contents to be confirmed, refined and shared with the other Automotive WG slot on Sunday 17:00 :- Regional Automotive WGs:Feedback about the AWG-JCOSE/AWG way of working, possible improvements,possible French or European similar group(s) (depending on the attendees).- New Workstreams for 2025? SEHv5 refreshed paragraph?DE Guide contribution (DEIX WG proposal) ?How to « sell SE ROI » in Automotive domain (incl. “best practices”) ?Main SE Skills for Automotive domain ?- Longer SDV & SOA session ?	Automotive;;	Working Group

Biological Ecosystems as Quantitative System Design Inspiration for Resilient and Sustainable Human Networks	dennis tuckowski, allison lyle	Sun, 02 Feb	16:00	17:30	Hybrid session	Triana 1	Biological Ecosystems as Quantitative System Design Inspiration for Resilient and Sustainable Human Networks Presented by: Dr. Astrid Layton Assistant Professor Donna Walker Faculty Fellow engineering.tamu.edu/mechanical/people/layton-astrid Director Bio-inspired Systems Lab (BiSSL) www.astridlayton.com J. Mike Walker '66 Department of Mechanical Engineering Texas A&M University Abstract: Inspiration from nature has produced some fascinating, novel, and life changing solutions for the human world. Most of these bio-inspired designs however have been product based. Taking a systems perspective when we look to nature taps inspirations that can improve the critical networks we depend on. This talk focuses on biological ecosystems in particular, complex networks of interacting species that are able to support individual needs while maintaining system-level functions. These networks offer inspiration for achieving both sustainability AND resilience in the design of our human engineered networks. Quantitative ecosystem descriptors and analysis techniques adapted from ecology enable desirable ecosystem characteristics to be used as design guides for things like industrial resource networks, water networks, supply chains, and power grids.	Natural Systems;;	Working Group
Break		Sat, 01 Feb	09:30	10:00	In-person session	Foyer			F&B
		Sat, 01 Feb	15:00	15:30	In-person session	Foyer			F&B
		Sun, 02 Feb	09:00	09:30	In-person session	Foyer			F&B
		Sun, 02 Feb	15:30	16:00	In-person session	Foyer			F&B
		Mon, 03 Feb	10:00	10:30	In-person session	Foyer			F&B
		Mon, 03 Feb	15:30	16:00	In-person session	Foyer			F&B
		Tue, 04 Feb	10:00	10:30	In-person session	Foyer			F&B
Building an EMPIRE: Combined Project Management and Systems Engineering	Michael Halvorson	Mon, 03 Feb	09:30	10:30	Hybrid session	España 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline. Purpose: Demonstrate the EMPIRE software platform for integrated Project Management and Systems Engineering Objective: Solicit collaborators and INCOSE participation in the development of this open-source tool Structure: Minutes 1-10: Integrated Project Model instantiation and Project Management utility. Minutes 10-25: Hardware modeling and requirements generation. Minutes 25-40: System software generation. Minutes 40-60: Discussion/Q&A Timing: 60 minutes. I could do less, but there's a lot of content.	Agile Systems and Systems Engineering; Architecture; Complex Systems; Configuration Management; Enterprise Systems; PM-SE Integration; Requirements; Small Business Systems Engineering; Space Systems;;	Working Group
		Sun, 02 Feb	09:30	12:30	Closed session	Triana 4	The INCOSE knowledge exam contains 100 multiple-choice questions test based on the INCOSE Systems Engineering Handbook. It is part of the qualification for ASEP and CSEP certification. The exam at IW25 is based on material found in both the Fourth and Fifth Editions of the INCOSE SE Handbook; studying either handbook alone is appropriate to prepare for the exam. Pre-registration and payment through the IW registration site is required to participate in the exam at IW25. Candidates whose mother language is other than English may bring an unmarked translation dictionary to the exam. Current SEPs are not eligible to take the exam again.		Business Meeting
CIPR WG Business Meeting	Anthony Adebonojo	Tue, 04 Feb	11:00	12:00	Hybrid session	Andalucia 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline. Purpose: The purpose of this meeting is to discuss CIPR WG Charter Updates Objective: We will review the existing charter and updates it in time for submission Structure: This will be a closed meeting for CIPR WG Members only	Critical Infrastructure Protection and Recovery;;	Business Meeting

Closing Plenary		Tue, 04 Feb	12:00	13:00	Hybrid session	Sevilla 1+2			Plenary
Competency WG	Cliff Whitcomb	Sun, 02 Feb	13:30	15:30	Hybrid session	Triana 2	Agenda still in development with team.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Competency;;	Working Group
	Cliff Whitcomb	Mon, 03 Feb	08:00	10:00	Hybrid session	Andalucia 4	Agenda still in development with team.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Competency;;	Working Group
	Cliff Whitcomb	Mon, 03 Feb	10:30	12:00	Hybrid session	Andalucia 4	Agenda still in development with team.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Competency;;	Working Group
Complex System WG - Guidance for Using 'Complexity' and Related Terms	Joshua Sutherland, Dean Beale	Sun, 02 Feb	17:00	18:00	Hybrid session	España 2	Purpose: Best practice sharingObjective: Educate participants in how to use the term 'Complexity'Structure: 30min of presentation + 30min of discussionTiming: 1 hour	Complex Systems;;	Working Group
Complex Systems Working Group - Bridge Team Insight Magazine Coordination Meeting	Dean Beale	Tue, 04 Feb	09:00	10:00	Closed session	Andalucia 6	Purpose: The purpose of this meeting is for the CSWG and the Bridge Team to discuss contributions and the structure of a planned special edition of the Insight Magazine.Structure: Each group will present potential offerings and then discuss how they can be cohered into a cohesive whole for the magazine.Timing: 1 hour	Complex Systems;;	Working Group
Configuration Management for PLE: The new ISO 26581	Marco Folringieri	Sun, 02 Feb	13:30	15:30	Hybrid session	Triana 3	Purpose: Illustrate the draft of the new ISO in progress 26581 focused on Configuration Management for PLEObjective: Promote the work of the standard and get experts involved in the review processStructure: Presentation of the topic, Discussion, Next StepsTiming: 2 hours	Product Line Engineering;;	Working Group
Configuration Management WG	CMWG Leader, Sandrine Gonthier	Sun, 02 Feb	16:00	18:00	Hybrid session	Triana 2	Configuration Management WG meetingPurpose: New leadership, plan for the year ahead.Objective: Review Charter and plan activities.Structure: directed meetingTiming: 2 hours	Configuration Management;Process Improvement;;	Working Group
Corporate Advisory Board Meeting	Michael Dahlberg	Mon, 03 Feb	08:00	17:00	Closed session	Sevilla 1	Meeting Agenda is still being worked	Business Meeting;;	Business Meeting
Corporate Advisory Board Reception (by invitation only)		Mon, 03 Feb	17:00	18:30	In-person session	España 1			Social Event
Critical Infrastructure Protection and Recovery	Anthony Adebonojo	Sat, 01 Feb	13:00	15:00	Hybrid session	Andalucia 6	Part 1: Discuss ongoing CIPR Working Group Projects to include CIPR (DHS) SysML Modeling Effort, COVID Vaccine Last Mile project and Resilient Hospitals Model Project. We will start with a brief overview of the WG, leadership and history. The goal is to bring the WG up to speed with the efforts in each of these areas and encourage participation in these projects. Success will be measured by the number of new participants in these efforts. We do slide presentations and model presentations with interactive discussions. This will be a hybrid meeting. We will hold this meeting in two sessions.	Critical Infrastructure Protection and Recovery;;	Working Group
	Anthony Adebonojo	Sat, 01 Feb	15:30	17:00	Hybrid session	Andalucia 6	Part 2: Discuss ongoing CIPR Working Group Projects to include CIPR (DHS) SysML Modeling Effort, COVID Vaccine Last Mile project and Resilient Hospitals Model Project. We will start with a brief overview of the WG, leadership and history. The goal is to bring the WG up to speed with the efforts in each of these areas and encourage participation in these projects. Success will be measured by the number of new participants in these efforts. We do slide presentations and model presentations with interactive discussions. This will be a hybrid meeting. We will hold this meeting in two sessions.	Critical Infrastructure Protection and Recovery;;	Working Group
Cultural Connect: Morning Walk in Seville	Federica Robinson-Bryant, Alice Squires, Stueti Gupta, Victoria Hayes	Sun, 02 Feb	07:00	08:00	In-person session	Lobby	Start your day with a perfect blend of wellness, meaningful conversation, and cultural immersion on our morning walks. Join us in the conference hotel lobby at 7am. See you then!	Diversity, Equity, & Inclusion (DEI);Empowering Women Leaders in Systems Engineering (EWLSE);;	Social Event
	Federica Robinson-Bryant, Alice Squires, Stueti Gupta, Victoria Hayes	Tue, 04 Feb	07:00	08:00	In-person session	Lobby	Start your day with a perfect blend of wellness, meaningful conversation, and cultural immersion on our morning walks. Join us in the conference hotel lobby at 7am. See you then!	Diversity, Equity, & Inclusion (DEI);Empowering Women Leaders in Systems Engineering (EWLSE);;	Social Event

De-risking Complex Problems	Dean Beale	Mon, 03 Feb	14:00	15:30	In-person session	Triana 1	Purpose: The purpose of this workshop is to introduce a new tool, and explore its applicability in comparison to, and collaboration with other similar tools. Structure: The first 20 minutes will introduce the new tool. This will be followed by the option to either 1) test, compare, and contrast the tool against your own system challenges, or 2) help develop the tool to complement and enhance COSYSMO. An example scenario will also be provided. Timing: 1.5 hours	Complex Systems;;	Working Group
Decision Analysis WG	Frank Salvatore	Sun, 02 Feb	09:30	11:30	Closed session	Andalucia 7	Purpose: Review the Decision Analysis Data Model (DADM) Objective: Obtain feedback and acceptance of the DADM Structure: the meeting will be around a table, and we will all be able to look at the model while someone walks thru it.	Architecture; Decision Analysis; Digital Engineering Information Exchange; Lean Systems Engineering; MBSE Initiative; MBSE Patterns; Object-Oriented Systems Engineering Method (OOSEM); Process Improvement; Product Line Engineering; Requirements; Risk Management; SE Tools Database; Small Business Systems Engineering; Value Proposition Initiative;;	Working Group
	Frank Salvatore	Mon, 03 Feb	08:00	10:00	In-person session	Andalucia 7	Purpose: Review the Decision Analysis Data Model (DADM) Objective: Obtain feedback and acceptance of the DADM Structure: the meeting will be around a table, and we will all be able to look at the model while someone walks thru it.	Architecture; Decision Analysis; Digital Engineering Information Exchange; Lean Systems Engineering; MBSE Initiative; MBSE Patterns; Object-Oriented Systems Engineering Method (OOSEM); Process Improvement; Product Line Engineering; Requirements; Risk Management; SE Tools Database; Small Business Systems Engineering; Value Proposition Initiative;;	Working Group
Decision Making Tools for Systems Engineers	Dean Beale	Mon, 03 Feb	10:30	12:00	Hybrid session	Andalucia 5	Purpose: The purpose of this WS is to compare and contrast a new tool developed by the CSWG with other similar tools to see if a useful tool for Systems Engineers can be realized. Structure: The first 30 minutes will introduce the new tool. This will be followed by 30 minutes to test, compare, and contrast the tools, and then 30 minutes discussing and refining the tool. Attendees will be encouraged to bring their own systems challenges to determine how well each tool helps them address these challenges. An example scenario will also be provided. Timing: 1.5 hours	Complex Systems;;	Working Group
DEIXWG	Celia Tseng	Sat, 01 Feb	13:00	15:00	Hybrid session	Andalucia 5	Agenda: DEIX WG overview Taxonomy Team - AIAA workshop outbrief and plans for 2025.	Digital Engineering Information Exchange;;	Working Group
	Celia Tseng	Sun, 02 Feb	10:30	12:30	Hybrid session	Andalucia 5	DEIX Guide team - project plan overview, volunteers and WG coordination	Digital Engineering Information Exchange;;	Working Group
	Celia Tseng	Sun, 02 Feb	13:30	14:30	Hybrid session	Andalucia 5	DE Primer - Review and INCOSE publishing plans	Digital Engineering Information Exchange;;	Working Group

Empowering Systems Focused Leadership Using Large Language Models	Alice Squires, Federica Robinson-Bryant	Mon, 03 Feb	13:30	15:30	Hybrid session	Andalucia 3	Join us for an empowering and interactive 2-hour workshop designed to enhance your leadership abilities in systems engineering by harnessing the power of Large Language Models (LLMs). This session specifically addresses the inhibitors and enablers of leadership development, focusing on challenges faced by participants in the field. Leverage LLMs to overcome leadership barriers, amplify enabling factors, and cultivate a supportive network for ongoing growth and impact. Participants will: Enhance Understanding of Leadership Barriers and Enablers: Gain insights into common challenges and facilitating factors in systems engineering leadership. Harness LLMs for Leadership Development: Engage in hands-on exercises using personal leadership scenarios to apply LLMs effectively. Improve Ability to Leverage Enablers and Overcome Challenges: Develop strategies to maximize leadership opportunities and address obstacles in the field. For the best experience, bring a laptop or tablet capable of accessing web-based LLM tools. Maximize your leadership growth by incorporating LLMs to tackle difficult leadership challenges and identify valuable enablers. Your journey to advancing your leadership career starts here!	Diversity, Equity, & Inclusion (DEI); Empowering Women Leaders in Systems Engineering (EWLSE);	Working Group
EWLSE/DEI Reception		Mon, 03 Feb	18:00	19:00	Upon invitation	Acceso Piscina			Social Event
Fellows	Bob Kenley, Christine Kowalski, Mike Ryan	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline. Purpose: What is the purpose of the meeting? Objective: What are you trying to achieve in the meeting, and what does success look like? Structure: What is the structure of the meeting we are having? Timing: How much time is allocated to the meeting?	Business Meeting; Fellows;	Business Meeting
Fellows Selection Committee Meeting	Bob Kenley, Christine Kowalski, Mike Ryan	Sun, 02 Feb	16:00	18:00	Closed session	Andalucia 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline. Purpose: What is the purpose of the meeting? Objective: What are you trying to achieve in the meeting, and what does success look like? Structure: What is the structure of the meeting we are having? Timing: How much time is allocated to the meeting?	Business Meeting; Fellows;	Business Meeting
First Time Attendee (FTA) Reception		Fri, 31 Jan	17:00	18:00	In-person session	Atrio III			Social Event
FuSE V&R Workstream meeting	Paul Schreinemakers	Mon, 03 Feb	10:00	12:00	Hybrid session	Andalucia 7	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline. Purpose: What is the purpose of the meeting? This is a working sessions for the members of the FuSE Vision & Roadmaps workstream Objective: What are you trying to achieve in the meeting, and what does success look like? Planning of 2025 activities Structure: What is the structure of the meeting we are having? Agenda is TBD Timing: How much time is allocated to the meeting? 2 hours	Future of Systems Engineering (FuSE);	Working Group
Guide to Model-based Needs & Requirements	Jeffery Williams, Lou Wheatcraft	Sat, 01 Feb	10:00	11:00	Hybrid session	Andalucia 3	Session 1: Introduction to the Guide for Model-Based Needs & Requirements: Introduction to the contents of the guide. How it is structured. The importance of the model in developing the guide and a review of the model. The process flow for creating the model and how that relates to the structure of the guide. 1st 30 minutes will be a review using the Model developed with CATIA Magic. 2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation; MBSE Initiative; Object-Oriented Systems Engineering Method (OOSEM); Requirements; SE Tools Database;	Working Group
	Jeffery Williams, Lou Wheatcraft	Sat, 01 Feb	15:30	16:30	Hybrid session	Andalucia 3	Session 2: The Meta-Model: Developing meta-model and supporting elements for this project was just as interesting of an effort as creating the system model and requirements. There are lessons learned that will be useful to those that want to use this product in the future. 1st 30 minutes will be a review using the Model developed with CATIA Magic. 2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation; MBSE Initiative; Object-Oriented Systems Engineering Method (OOSEM); Requirements; SE Tools Database;	Working Group

	Jeffery Williams, Lou Wheatcraft	Sun, 02 Feb	10:00	11:00	Hybrid session	Andalucia 3	Session 3: Requirements & System Architecture: The dependence relationship of requirements and system architecture. As the architecture evolves from a black box system to a white box system the design input requirements are not only tightly coupled with the requirements developed by the black box operational view, but they are also tightly coupled with the resultant logical architecture.1st 30 minutes will be a review using the Model developed with CATIA Magic.2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation;MBSE Initiative;Object-Oriented Systems Engineering Method (OOSEM);Requirements;SE Tools Database;;	Working Group
	Jeffery Williams, Lou Wheatcraft	Sun, 02 Feb	13:30	14:30	Hybrid session	Andalucia 3	Session 4: Planning for System Verification. How the planning activities for verification are performed in the modeling environment. The products that are developed are ultimately handed off to the verification teams. This includes the development of representative verification execution plans and an approach for developing the master system verification plan.1st 30 minutes will be a review using the Model developed with CATIA Magic.2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation;MBSE Initiative;Object-Oriented Systems Engineering Method (OOSEM);Requirements;SE Tools Database;;	Working Group
	Jeffery Williams, Lou Wheatcraft	Sun, 02 Feb	16:00	17:00	Hybrid session	Andalucia 3	Session 5: Planning for System Integration: System integration starts with the identification of both the external and internal interfaces of the system of interest. How the interface requirements are captured in the system and subsystem requirements and the logic supporting their creation is described. From a verification perspective, the system integration approach is a result of a close collaboration with the responsible party for system verification planning.1st 30 minutes will be a review using the Model developed with CATIA Magic.2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation;MBSE Initiative;Object-Oriented Systems Engineering Method (OOSEM);Requirements;SE Tools Database;;	Working Group
	Jeffery Williams, Lou Wheatcraft	Mon, 03 Feb	10:30	11:30	Hybrid session	Andalucia 3	Session 6: Needs and Requirements Validation. The approach used to validate the model with the NRM is presented. The techniques to ensure that each requirement complies with the characteristics, attributes, and rules required by the NRM, Guide to the NRM, and Guide to Writing Requirements.1st 30 minutes will be a review using the Model developed with CATIA Magic.2nd 30 minutes will be for questions & answers and comments.	Integration, Verification & Validation;MBSE Initiative;Object-Oriented Systems Engineering Method (OOSEM);Requirements;SE Tools Database;;	Working Group
Heuristics for the Measurement Working Group	Harington Lee, Dorothy McKinney, Javier Calvo-Amodio	Mon, 03 Feb	14:00	15:00	Hybrid session	Triana 3	Meeting with the Measurement WG to discuss our current heuristics development approach and collaboration opportunities for measurement specific heuristics.	Systems Science;;	Working Group
Heuristics Meeting	Dorothy McKinney, Harington Lee	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 2	· Overview of Effort - Goal and structure of Heuristics Effort - Current and Prospective Members - Alignment with Systems Science Working Group- Changes in the past year- Plan for the upcoming year- Heuristics Syntactic Structure Discussion	Systems Science;;	Working Group
Heuristics Open House	Harington Lee, Javier Calvo-Amodio, Dorothy McKinney	Sun, 02 Feb	10:00	12:00	Hybrid session	Andalucia 6	Purpose: Open House to allow any working group members to come learn about the INCOSE Heuristics effort and discuss potential collaboration opportunitiesObjective: Present Heuristics development approach, establish comms with other working groupsStructure: Heuristics team members present Heuristics development approach, open forum to discuss Timing: 2 Hours total, come and go	Systems Science;;	Working Group
HSI Architecting for Human-Advanced Automation	Grace Kennedy, Ricardo Reis, Dimitri Masson	Sat, 01 Feb	13:00	15:00	Hybrid session	Triana 3	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Architecture;Artificial Intelligence Systems;Future of Systems Engineering (FuSE);Human Systems Integration;Requirements;Social Systems;;	Working Group

HSI in Early Stage SE	Grace Kennedy, So Young Kim, Dimitri Masson	Sun, 02 Feb	16:00	18:00	Hybrid session	Cartuja	Conops, conuse, scenario based design, use cases. We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Human Systems Integration;Requirements;SE in Early Stage Research & Development;Social Systems;System of Systems;;	Working Group
HSI WG Primer Writing	Grace Kennedy, Dimitri Masson	Mon, 03 Feb	10:00	12:00	Hybrid session	Cartuja	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Human Systems Integration;;	Working Group
INCOSE DEI Strategic Planning Meeting	Federica Robinson-Bryant, Alice Squires	Sun, 02 Feb	11:00	12:30	Hybrid session	Andalucia 3	The International Council on Systems Engineering (INCOSE) is committed to fostering a diverse, equitable, and inclusive environment within the systems engineering community. To advance this commitment, we are convening an open strategic planning meeting focused on Diversity, Equity, and Inclusion (DEI). This gathering aims to develop comprehensive strategies that integrate DEI principles into INCOSE's operations, initiatives, and culture. Your voice and expertise are invaluable to the success of our DEI initiatives.	Diversity, Equity, & Inclusion (DEI);Empowering Women Leaders in Systems Engineering (EWLSE);;	Working Group
Introduction to Feature-based Product Line Engineering	Marco Forlingieri	Sat, 01 Feb	13:00	15:00	Hybrid session	España 3	Purpose: Introduction to fetasure-based PLE for beginners and refresher for those already familiar since we always have new topics around PLE. Objective: Understanding of what PLE is and why can help organization. Explain the role of te PLE WG and call to action to new joiners to the WG and active participants.Structure: Intro of the PLE WG, Intro to fbPLE and related standards, Hot topics about PLE such as SysMI v2, LLMs, PL Configuration Management etc., Call to action and Q&ATiming: 2 h	Product Line Engineering;;	Working Group
IPS4SE - Integrated Product Support (GfSE - Working group)	Sven-Olaf Schulze	Sun, 02 Feb	13:30	14:30	Hybrid session	Andalucia 6	The IPS4SE working group from the German Chapter want to share their results and products on INtegrated Product Support (IPS) sometimes known als ILS; RAM and part of the loss-driven SE category.Intention is to enable and mature mbeter the IPS thing into the SE application during the development phase taking into account the new business models, right of repair, laws for all kind of industriesAim is to discuss the current status of products and collect a feedback, confirmation of our work packages:A) Benefit of IPS to SE and top management B) Discuss the EU regualtin on "right of repair" impact on development and design C) value of "NIB" = Standard Information (practice) Bibliothek across industries using AI Discuss and have a workshop environment At the end consolidation and conclusion.	Automotive;Critical Infrastructure Protection and Recovery;Defense Systems;Healthcare;Human Systems Integration;Infrastructure;Information Communications Technology;MBSE Initiative;PM-SE Integration;Power & Energy Systems;Resilient Systems;Small Business Systems Engineering;Space Systems;System Safety;Systems Engineering Quality Management (SEQM);Systems Security Engineering;Transportation;;	Working Group
IS2025 TPC Meeting	Donna Long, Amy Thompson	Sat, 01 Feb	10:00	17:00	Closed session	Andalucia 8	Internal Meeting for the IS 2025 Technical Program Committee to work on IS 2025 Technical Program.	Business Meeting;;	Business Meeting
	Donna Long, Amy Thompson	Sun, 02 Feb	09:30	17:00	Closed session	Andalucia 8	Internal Meeting for the IS 2025 Technical Program Committee to work on IS 2025 Technical Program.	Business Meeting;;	Business Meeting
	Donna Long, Amy Thompson	Mon, 03 Feb	08:00	17:00	Closed session	Andalucia 8	Internal Meeting for the IS 2025 Technical Program Committee to work on IS 2025 Technical Program.	Business Meeting;;	Business Meeting
	Donna Long, Amy Thompson	Tue, 04 Feb	08:00	12:00	Closed session	Andalucia 8	Internal Meeting for the IS 2025 Technical Program Committee to work on IS 2025 Technical Program.	Business Meeting;;	Business Meeting

IVV WG - Systems Integration Guide/Verification guidance	Jim Armstrong	Mon, 03 Feb	13:30	17:30	Hybrid session	Andalucia 6	We will address two topics. First, a discussion of the impact of MBSE and digital engineering on integration and test activities, how can we mesh the digital ecosystem with the conduct of I&T. Second, development of guidance for systems integration - what is needed, how should be it be structured, and creating a project team to do it.	Integration, Verification & Validation;;	Working Group
Knowledge Systems WG	Robert Nilsson, William Hubbard, Aleksandr Turkhanov, Marco Rosa	Sun, 02 Feb	13:30	15:30	Hybrid session	España 3	Agenda: 13:30 - 14:00 Introductions 14:00 - 15:00 Business Meeting 15:00 - 15:30 Wrap up and closing comments The first day of the Knowledge Systems Working Group at IW25 will be focused on the Working Group charter and scope review to include, but not limited to; Knowledge Systems Value Stream, Knowledge Systems Capabilities, Knowledge Systems Tools, Knowledge Systems Projects, Knowledge Systems Webinars, and the Knowledge Systems Primer. In addition, some discussions are anticipated for the review of state-of-the-current Via Engage and Sharepoint Library materials as well as engagements with other INCOSE Working Groups.	Artificial Intelligence Systems;Complex Systems;Digital Engineering Information Exchange;Knowledge Management;Natural Systems;Social Systems;System of Systems;Systems Science;;	Working Group
	Robert Nilsson, William Hubbard, Aleksandr Turkhanov, Marco Rosa	Mon, 03 Feb	13:30	15:30	Hybrid session	Andalucia 2	Agenda: 13:30 - 14:00 Introductions 14:00 - 15:00 Knowledge Systems Primer Review - Format & Narrative 15:00 - 15:30 Wrap up and closing comments The second day of the Knowledge Systems Working Group at IW25 will be focused on the progress and status of the Knowledge Systems Primer. These discussions will include, but not limited to; Primer objective, Primer outline, and Primer narratives to-date. The Primer currently focuses on a preface and 5 sections; Section 1: What is the problem we are trying to solve, specific questions and domains. Perhaps showing this in a knowledge graph structure might be a good intro to the objective of the primer. Section 2: What is the state-of-the-current solutions for answering that problem ... that falls short . Section 3: What is Knowledge Systems for Digital Engineering and how does it address / solve the problem at a high level. Section 4: In-depth details of Knowledge Systems for Digital Engineering workflow, methods, practices, competencies, and information products. This might look like a value stream, activity flow diagram, or even back to a knowledge graph structure. Section 5: Conclusion, observations, knowledge graphs, roadmaps, and recommendations for the Working Group -to-INCOSE community engagement.	Artificial Intelligence Systems;Complex Systems;Digital Engineering Information Exchange;Knowledge Management;Natural Systems;Social Systems;System of Systems;Systems Science;;	Working Group
MBSE Integration Forum (MBSE-iF)	John Nallon, Juan C Mendo	Sun, 02 Feb	13:30	15:00	Hybrid session	España 5	LOTAR MBSE is subgroup of the PDES Inc. MBSE Working Group. LOTAR MBSE is focused on the metadata, format and processes needed for archiving and retrieving MBSE models. This session will introduce the group and review the LOTAR MBSE software prototype development and present the agenda for Sunday and Monday.	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
	John Nallon, Juan C Mendo	Sun, 02 Feb	15:30	16:30	Hybrid session	España 5	A review of the first Systems Engineering Interoperability Conference held in Madrid, Spain November 13-14, 2024 to capture the needs of industry and communicate industry experiences will be provided by the program chair, Dr. Jose Maria Alvarez from the University of Madrid.	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group

	John Nallon, Juan C Mendo	Sun, 02 Feb	16:30	18:00	Hybrid session	España 5	Digital Threads and Digital Twins - Jayendra Ganguli (Pratt and Whitney) The AIAA Digital Engineering Integration Committee Digital Thread and Twin Integration Working group is documenting the key challenges for industry, government, cloud vendors and PLM vendors towards realizing a digital thread platform which also considers the evolution required to support the digital twin. The output of this effort will also be reported out at SciTech 2025 and will be released as an AIAA DEIC sponsored white paper mid 2025. The wide-ranging topics cover the usual suspects in digital thread and twin space like Geometry, MBSE, linking technologies, ontologies, distributed systems, AI/ML, edge computing, and also some special topics of contemporary interest like SysML V2, Multiscale/Multiphysics integration, AI ML and mathematical gaps in Digital Twins thread integration, Uncertainty Quantification etc. The OEM perspective is to gauge the vendor readiness and gaps in theory, technology and implementation, with recommendations.	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
	John Nallon, Juan C Mendo	Mon, 03 Feb	09:00	10:00	Hybrid session	España 5	Introduction to Knowledge Graphs and a live demonstration of the modeling and simulation of a FORMULA Student racing car and a discussion of MBSE, the V model, digital thread and digital twin with graph-based design languages (knowledge graphs).	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
	John Nallon, Juan C Mendo	Mon, 03 Feb	10:30	12:00	Hybrid session	España 5	Introduction to Knowledge Graphs and a live demonstration of the modeling and simulation of a FORMULA Student racing car and a discussion of MBSE, the V model, digital thread and digital twin with graph-based design languages (knowledge graphs) ending with a Q&A Session.	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
	John Nallon, Juan C Mendo	Mon, 03 Feb	13:30	15:30	Hybrid session	España 5	MBSE-Integration Forum (MBSE-IF) (Part 1)MBSE-IF is a collaborative standardization project with the goal of mapping MBSE standards into a common, semantic metamodel, that enables cross domain interoperability and collaboration across companies. We will cover:Concept of Digital Data Package (DDP)OMG standardization: CASCaDE: Collaborative Artifact, Specification Context and Data Exchange (CASCaDE) sponsored by GfSE, PDES Inc., prostep ivip, OMG, VDA. The role of MoSSEC model manifests and package header for collaboration.Relationship with SysML V2, OMG Model Based Acquisition and LOTAR. OMG Roadmap by GfSE	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
	John Nallon, Juan C Mendo	Mon, 03 Feb	16:00	18:00	Hybrid session	España 5	MBSE-Integration Forum (MBSE-IF) (Part 2)MBSE-IF is a collaborative standardization project with the goal of mapping MBSE standards into a common, semantic metamodel, that enables cross domain interoperability and collaboration across companies. We will cover:Concept of Digital Data Package (DDP)OMG standardization: CASCaDE: Collaborative Artifact, Specification Context and Data Exchange (CASCaDE) sponsored by GfSE, PDES Inc., prostep ivip, OMG, VDA.The role of MoSSEC model manifests and package header for collaboration.Relationship with SysML V2, OMG Model Based Acquisition and LOTAR.OMG Roadmap by GfSEAlignment with DEIX Working GroupReport out from: GPDIS and Systems Engineering Interoperability Conference (SEIC)Feedback from attendees and how to get involved.	Digital Engineering Information Exchange;MBSE Initiative;NAFEMS-INCOSE Systems Modeling & Simulation;Tools Integration & Model Lifecycle Management;;	Working Group
MBSE Keynote: ESEIO WG related topic	Richard Beasley	Sat, 01 Feb	11:00	12:00	Hybrid session	Sevilla 1			MBSE Workshop
MBSE Patterns WG	Bill Schindel	Sun, 02 Feb	13:30	16:30	Hybrid session	España 2	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	MBSE Patterns;;	Working Group

MBSE Patterns Working Group Meeting	Bill Schindel	Mon, 03 Feb	14:30	17:00	Hybrid session	España 2		MBSE Patterns;;	Working Group
							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		
MBSE social with Propeller Hat Awards		Sun, 02 Feb	18:00	19:00	MBSE Workshop	Atrio I			Social Event
MBSE Working Group/Chapter Presentations	Uwe Kaufmann, Sebastian Dube, Chawk Mean Proum, Lalitha Abaya, Graham Bleakley	Sun, 02 Feb	13:00	15:00	Hybrid session	Sevilla 1	Uwe Kaufmann (GfSE): CASCaDE updateSebastian Dube/Chawk Mean Proum (AFIS):AFIS Metamodel update Lalitha Abaya (AFIS): Airbus MBSE Methodology Graham Bleakley (UK MBSE IG): MBSE in the UK		MBSE Workshop
		Sun, 02 Feb	15:30	17:30	Hybrid session	Sevilla 1			MBSE Workshop
MBSE Workshop Kickoff	Troy Peterson, Mark Sampson	Sat, 01 Feb	10:00	11:00	Hybrid session	Sevilla 1			MBSE Workshop
MBX/Digital Ecosystems & OpenMBEE Workshop	Peak Russell, Lucas Aviles, Chris Delp	Mon, 03 Feb	14:30	18:00	Hybrid session	España 3	This workshop will cover near-term plans and recent progress by the INCOSE Digital Ecosystems (DECO) Challenge Team and OpenMBEE (a NumFOCUS-based open-source community). We collaborate on pre-competitive capabilities that help organizations better define and manage their digital ecosystems using model-based technology (including MBSE, MBX, SysML, UAF, and related technologies). Here is the main IW25 meeting page (including links to the agenda and webcon connection info): https://www.omgwiki.org/MBSE/doku.php?id=mbse:ecosystems:iw2025	MBSE Initiative;Digital Ecosystems (DECO) Challenge Team;	MBSE Workshop
NAFEMS INCOSE Systems Modeling & Simulation Community Meeting	Phyllis Marbach, Frank Popielas, Peter Coleman	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 3	This session is to welcome and connect with participants at IW25 and our global SMS community including members from INCOSE and NAFEMS.Note the connection to the live session (WebEx or Zoom) will be confirmed later.Outline agenda (to be refined)* Welcome - Overview of NAFEMS-INCOSE SMS WG organization, including summary of 2024 activities and plans for 2025* Guest Presentation - Title & details TBC* Focus teams activities - including Related Standards; Terms & Definitions; and Refining the Understanding of SMS* Discussion	NAFEMS-INCOSE Systems Modeling & Simulation;;	Working Group
Natural Systems - Meeting OP1	Dennis Tuckowski, allison lyle	Sat, 01 Feb	15:30	17:00	Hybrid session	Andalucia 4	MEETING OP1Agenda to be added on DEC 19	Natural Systems;;	Working Group
Natural Systems WG	Dennis Tuckowski, allison lyle	Sat, 01 Feb	10:00	11:30	Hybrid session	Andalucia 4	This is the Natural Systems WG IW kickoff meeting. During this session we will provide an overview of the NSWG, discuss activities and accomplishments during 2024, discuss planning for 2025, and then give a status of current NSWG projects. Agenda:Welcome & IntroductionsNSWG Overview Review of NSWG resources and content for membersNSWG 2025 PlansAnnouncement of following IW sessions hosted by NSWG	Natural Systems;;	Working Group
Natural Systems WG: Using AI to foster creative solutions to Systems Engineering challenges	dennis tuckowski, allison lyle	Sat, 01 Feb	15:30	17:00	Hybrid session	Triana 3	Using AI to foster creative solutions to Systems Engineering challenges:During this session the Natural Systems WG will share a recommend process on how to leverage AI and LLM's to generate novel solutions derived from natural systems.	Natural Systems;;	Working Group

Natural Systems Working Group	dennis tuckowski, allison lyle	Mon, 03 Feb	14:30	16:00	Hybrid session	Triana 4	This is the Natural Systems WG SEBoK working meeting. During this session we will provide an overview of the Natural Systems Primer, SE Handbook section and review proposed content for creation of a Natural Systems SEBoK section. Natural Systems content will be reviewed and assessed for placement and connections with existing SEBoK structure.Natural Systems Primer	Natural Systems;;	Working Group
Networking Lunch		Sat, 01 Feb	12:00	13:00	In-person session	Atrio III			F&B
		Sun, 02 Feb	12:30	13:30	In-person session	Atrio III			F&B
Networking Lunch Reception		Tue, 04 Feb	13:00	15:00	In-person session	Atrio III			Social Event
OOSEM WG	OOSEM WG Leader, Ryan Noguchi	Tue, 04 Feb	09:00	12:00	Hybrid session	Andalucia 5	Purpose: Kick off the OOSEM WG and development of OOSEM v2Objective: Inform participants of OOSEM WG plans, solicit feedback, identify collaboration opportunities and contributorsStructure: Briefings, facilitated discussion, model walkthroughsTiming: 1 hr before break, 1.5 hrs after break	Object-Oriented Systems Engineering Method (OOSEM);;	Working Group
Opening Plenary		Sat, 01 Feb	08:00	09:30	Hybrid session	Sevilla 1+2			Plenary
OpenMBEE & SysML v2	Ed Seidewitz	Sun, 02 Feb	11:30	12:00	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
OpenMBEE and SysML v2: Demonstration and Workshop	Ed Seidewitz	Mon, 03 Feb	08:00	12:00	Hybrid session	España 3	OpenMBEE (Open Model Based Engineering Environment) is an open source collaborative engineering system. It enables engineers to work in the language of their choice and easily share and document their work across other tools. OpenMBEE has supported systems modeling in SysML v1 for years. But the next generation of OpenMBEE, now in development, will support SysML v2, advanced generation of documents and other views, and interoperability via the standard systems modeling API.This session will demonstrate the new semantic-technology-based architecture for OpenMBEE and SysML v2, providing an in-depth look at has already been implemented and what is to come.	MBSE Initiative;Tools Integration & Model Lifecycle Management;;	MBSE Workshop
Outcome-Driven Product Development	John Metcalf	Sat, 01 Feb	16:30	17:00	Hybrid session	Andalucia 3	Purpose: Discuss topic and path forwardObjective: PM-SE WG decides if this should be an initiativeStructure: Presentation, questions, and working group discussionTiming: 10-30 minutes	PM-SE Integration;;	Working Group
Platform Training Session for Working Groups Using SE Lab	Heidi Davidz	Mon, 03 Feb	13:30	14:30	Hybrid session	Triana 4	Purpose: Hands-on training for working groups using CATIA Magic and the 3DEXPERIENCE platform for project planning and team collaboration to develop their projects and productsObjective: Upon completion, working group leads will be able to plan their own project schedules within the Swym community, create Gantt charts, assign tasks to team members, track and report progress, and integrate with other collaboration tools including file sharing, wiki, ideation, model reviews, and many moreStructure: Instructor-led, hands-on training walking through end-to-end use cases mimicking an entire project life cycle; working group leads attending the session will be assigned the new Project Planner role for use in their WG projectsTiming: ~2 hours to walk through an end-to-end use case, including Q&A		Business Meeting
	Heidi Davidz	Tue, 04 Feb	13:30	15:30	Hybrid session	Andalucia 7	Purpose: Hands-on training for working groups using CATIA Magic and the 3DEXPERIENCE platform for project planning and team collaboration to develop their projects and productsObjective: Upon completion, working group leads will be able to plan their own project schedules within the Swym community, create Gantt charts, assign tasks to team members, track and report progress, and integrate with other collaboration tools including file sharing, wiki, ideation, model reviews, and many moreStructure: Instructor-led, hands-on training walking through end-to-end use cases mimicking an entire project life cycle; working group leads attending the session will be assigned the new Project Planner role for use in their WG projectsTiming: ~2 hours to walk through an end-to-end use case, including Q&A		Business Meeting

Progress on the establishment of a WG on Sustainability	ALAIN DAURON, Jean-Claude ROUSSEL, Amaury SOUBEYRAN	Sat, 01 Feb	15:30	17:00	Hybrid session	España 5	[draft agenda]This slot is dedicated to ongoing actions regarding the creation of an INCOSE Working Group on the sustainability domain.AFIS has prepared elements to advance the process, which consists of both the definition of a first CHARTER and the identification of a core of INTERESTED ACTORS. If you are interested in participating in such a WG, contact us!Agenda :- Welcome/Introduction- Reminders on previous meetings- Existing initiatives in Chapters (all)- Input gathering for a WG Charter (all)	Automotive;Complex Systems;Future of Systems Engineering (FuSE);Human Systems Integration;Infrastructure;Natural Systems;Power & Energy Systems;Resilient Systems;Smart Cities Initiative;Social Systems;System Safety;Systems Engineering and Lawmaking;Systems Science;Transportation;Business Meeting;Sustainability WG (project);	Business Meeting
							- Any Other Business, incl. next steps (all)		
Project Wildfire Workshop	Susan Ronning	Sun, 02 Feb	16:00	18:00	Hybrid session	España 4		Project Wildfire	Working Group
	Susan Ronning	Mon, 03 Feb	13:30	15:30	Hybrid session	Andalucia 4		Project Wildfire	Working Group
Real Time SysML v2 Extension	Gene Shreve, Jerome Hugues	Sun, 02 Feb	10:00	10:30	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
Requirements WG	Lou Wheatcraft, Katarzyna Kot	Sat, 01 Feb	13:00	15:00	Hybrid session	España 2	This is the Requirements WG IW kickoff meeting. During this session we will welcome attendees to the RWG session, provide an overview of the RWG, discuss activities and accomplishments during 2024, discuss planning for 2025, and then give a status of current RWG projects. Detailed Agenda:1. Welcome, RWG Introductions (Katarzyna Kot)2. RWG Overview, Status and Plans (Lou Wheatcraft)3. Updates from the projects:* Guide to Model-based Needs and Requirements (Jeff Williams)* NRM Fundamentals Flip Card (Rob Black)* AI4RE (Kevin Orr)* Guide to Agile Needs and Requirements (Katarzyna Kot)* Learning threads from the RWG materials (Sarah Vazquez)4. Announcement of IW sessions of the RWG working group - the IW planning	Requirements;;	Working Group
	Lou Wheatcraft, Katarzyna Kot	Sat, 01 Feb	15:30	17:00	Hybrid session	España 2	During RWG Session 2 participants will be given an opportunity to talk about why they are attending the RWG session, issues they may want to discuss concerning needs, requirements, verification, and validation across the lifecycle, and finally a general discussion concerning how attendees are using and benefiting from our products.	Requirements;;	Working Group

Research Snapshots 2025 - FuSE - Systems Engineering Scientific Foundations	Joshua Sutherland, Alfonso Lanza, Olivier de Weck	Sat, 01 Feb	15:00	17:00	Hybrid session	Sevilla 2	Purpose: Learn about the research being done on Systems Engineering Scientific Foundations topics by a variety of people and foster collaboration into the future.Objective: Audience and presenters know about each others work. Can collaborate into the future.Structure: Multiple back-to-back 10-15min mini presentations from research groups working on FuSE SE Foundations topics. Collaboration discussion after.Timing: 2 hoursPresenters:1. Joshua Sutherland (SSEE Ltd)2. Michael Watson (INCOSE President)3. Olivier de Weck (MIT) - Controlled vs. Natural Experiments in Systems Research4. Ken Cureton (University of Southern California) - Resilience Modelling for Complex Systems5. Hortense Gerardo (UC San Diego) - Gen AI and Artist Intellectual Property Rights: A Systems Approach6. Javier Calvo-Amodio (Oregon State University) - Mathematical Foundations for Systems Science7. Lynn Rasmussen (Maui Institute) - Systems Processes8. Bill Schindel (ICTT System Sciences) - Hamiltonian Applications9. Javier Calvo-Amodio (Oregon State University), Peter Brook (Dashwood), David Rousseau (Oregon State University), Michael Pennotti (Stevens) - TBD TITLE10. Alejandro Salado Diez (University of Arizona), Bryan Mesmer (University of Alabama) - Scientification of Architecture - Foundations11. Gary Smith (International Society for the Systems Sciences) - Advancing Together - Collaboration in the Systems Community	Future of Systems Engineering (FuSE);	Working Group
Review & Direct Complexity and Emergence Research	Dean Beale	Sat, 01 Feb	10:00	12:00	Hybrid session	Andalucia 6	Purpose: The purpose of this WS is to present the work of the Complex Systems Working Group and proposed emergence activities to attendees and give them the opportunity to pass comment and steer the work of the working group in 2025. This meeting was previously called the CWSG Kick-off meeting.Structure: After an introduction, each of the Complex Systems sub-groups will spend 10 minutes presenting their work, including: scientific foundations, tools and techniques, tradecraft guide and primer team, bibliography and emergence, followed by 10 minutes of discussion on how best to progress the work, inc. the future research relationship between emergence and complexity.Timing: 2 hours	Complex Systems;;	Working Group
Risk Management WG - Information Session	Ann Brown, Bob Parro, Jack Stein	Sun, 02 Feb	14:30	16:00	Hybrid session	Andalucia 3	Information session and discussion on strategy for the Risk Working Group activities and an open session to brainstorm future areas to pursue for the Risk WG. We will look at work performed to date, and evaluate key areas to target in 2025 and beyond, including soliciting support for these efforts.Open to all including members of other working groups to synergize risk activities across working groups.We would love to have any and all members come participate to learn and contribute!Agenda:14:30-15:00 – Charter and overview of current work being performed in the Risk WG (see our INCOSE Risk WG webpage for more info) – Jack Stein and Bob Parro (co-chairs)15:00-15:30 – Brainstorm future concepts for the risk working group to pursue and review proposals – open discussion – Ann Brown, Jack Stein, Bob Parro (co-chairs)15:30-16:00 –In-person attendees: go to break, or choose to stay for the virtual networking session belowVirtual attendees: optional networking session online – stay online and get to know other virtual participants interested in risk – chairs will moderate the networking session. Please contact Ann Brown (in person – ann.brown@lmco.com, Jack Stein: jack.stein@incose.net or Bob Parro bparro@rivernorthsolutions.com for more information.	Risk Management;;	Working Group
Risk WG Technical Presentation	Ann Brown, Jack Stein, Bob Parro	Sat, 01 Feb	16:00	17:00	Hybrid session	Triana 4	Will have risk presenter for technical topic - To be determined	Risk Management;;	Working Group
RSWG General Session	Kenneth Cureton	Sat, 01 Feb	16:00	17:00	Hybrid session	Triana 2	-15 minutes: BRIEF Participant Introductions-15 minutes: What is the Mission of the RSWG? -History & Etymology of “Resilience”, How We Define Resilience & “The Resilience Elevator Speech”-Location & Types of RSWG Work Products (SEBoK, etc.)-Resilience Webinar Recordings- 15 minutes: Summary of Planned RSWG Products-SEBoK v.11 Content (October 2024)- Resilience Webinar (Virtual: October 2024)- Document: How to Justify Resilience- Document: Things that Frustrate Resilience- Resilience Primer- 15 minutes: Questions & Answers	Resilient Systems;;	Working Group

RSWG Work Session	Kenneth Cureton	Sun, 02 Feb	14:30	18:00	Hybrid session	Andalucia 6	"-Review/Update The Resilience Elevator Speech-Review/Update How to Justify Resilience-Review/Update Things that Frustrate Resilience-Review/Update RSWG Standard Briefing (e.g., History of Resilience, Environmental)-Review/Update Techniques for achieving resilience (i.e., Taxonomy Layers 2 and 3) (separate closed session? e.g., Robustness, Recovery)-Review/Update plan for SEBoK v.12 (May 2025) (e.g., Organizational Resilience)-Review/Update outline & plan for Resilience Primer - Generate plan for Potential 2025 Resilience Webinar-Synergy / Cooperation with Other INCOSE Working Groups (LDSE?, ESEIO?)-Audience Feedback, Questions & Answers"	Resilient Systems;;	Working Group
RWG Agile Needs and Requirements	Katarzyna Kot, Lou Wheatcraft	Sun, 02 Feb	10:30	12:30	Hybrid session	España 3	This RWG session will focus on a project that Katarzyna Kot is working on informally concerning Agile Needs and Requirements.	Requirements;;	Working Group
SE Lab Vendor Spotlight and Training	Heidi Davidz	Tue, 04 Feb	08:00	12:00	In-person session	España 3	Purpose: Provide members an overview of the tools available in the SE LabObjective: Participants will gain an understanding of SE Lab toolsStructure: Vendors will present an overview of their toolTiming: Each vendor will have approximately 15 minutes, depending on the number of vendors who choose to participate	MBSE Initiative;INCOSE Services;	MBSE Workshop
SE/MBSE for Sustainability - Building a sustainability Task Force	Hamza Bassam	Sat, 01 Feb	10:00	15:00	Hybrid session	Sevilla 2	Purpose: Establish a shared understanding of sustainability and its context, and collaboratively identify challenges, opportunities, and needs related to addressing sustainability through SE/MBSE. Objective: Get to know each other. Gained a clear understanding of sustainability in the context of systems engineering. Identified and prioritized key challenges, opportunities, and needs to guide the development of SE/MBSE methodologies. Structure: Welcome and Introductions (30 min) Presentation: Sustainability Overview and Context (20 min + Q&A) Break Session & Networking: 25 min Group Work: Identifying Challenges, Opportunities, and Needs (1 hour, including group discussions and documentation) Presentation of the Results (30 min + Q&A) Break Session & Networking: 25 min Synthesis and Prioritizing Findings (1 hour) Wrap-Up and Next Steps (30 min) Timing: Total: 5 hours (with breaks as needed).	Agile Systems and Systems Engineering;Architecture;Configuration Management;Decision Analysis;Digital Engineering Information Exchange;Future of Systems Engineering (FuSE);Infrastructure;Integration, Verification & Validation;Knowledge Management;MBSE Patterns;Materials in System Engineering;Measurement;Requirements;Risk Management;SE Tools Database;System of Systems;Tools Integration & Model Lifecycle Management;Transportation;Value Proposition Initiative;;	Working Group
	Hamza Bassam	Sun, 02 Feb	10:00	12:30	Hybrid session	Triana 3	Purpose: Enable Working Groups (WGs) to focus on the sustainability requirements most relevant to their areas of expertise and start developing initial solutions. Objective: By the end of the day, each WG will have: A clear understanding of the prioritized requirements specific to their domain. Drafted initial ideas or approaches for addressing these requirements. Structure: Recap and Alignment (10 minutes) Case Study Presentation: Transforming a conventional business and product into a sustainable one Breakout Sessions: WG-Specific Work on Requirements (1 hour, including subgroup discussions and iterative development) Midpoint Check-In: Sharing Progress Across WGs (20 min) Break Session & Networking (15 min) Continued Breakout Work (30 min) Wrap-Up and Preparation for Day 3 (15 minutes) Timing: Total: 2.5 hours (with breaks).	Agile Systems and Systems Engineering;Architecture;Configuration Management;Decision Analysis;Digital Engineering Information Exchange;Future of Systems Engineering (FuSE);Infrastructure;Integration, Verification & Validation;Knowledge Management;MBSE Patterns;Materials in System Engineering;Measurement;Requirements;Risk Management;SE Tools Database;System of Systems;Tools Integration & Model Lifecycle Management;Transportation;Value Proposition Initiative;;	Working Group

	Hamza Bassam	Mon, 03 Feb	08:00	12:00	Hybrid session	Triana 3	Purpose: To present the results of WG efforts and integrate findings into a unified, holistic sustainable systems methodology. Objective: By the end of the day, participants will have: Presented their WG results to the larger group. Consolidated and synthesized results into a first draft of a comprehensive sustainable ecosystem methodology. Structure: Morning Recap and Overview (30 minutes) Presentations: WG Results (1 hour, including discussion) Break Session & Networking (25 min) Integration Workshop: Developing a Unified Methodology (1 hour, with iterative sessions and group input) Break Session & Networking (15 min) Reflection & Discussion (30 min) Wrap-Up and Preparation of Day 4 (20 minutes) Timing: Total: 4 hours (with breaks).	Agile Systems and Systems Engineering;Architecture;Configuration Management;Decision Analysis;Digital Engineering Information Exchange;Future of Systems Engineering (FuSE);Infrastructure;Integration, Verification & Validation;Knowledge Management;MBSE Patterns;Materials in System Engineering;Measurement;Requirements;Risk Management;SE Tools Database;System of Systems;Tools Integration & Model Lifecycle Management;Transportation;Value Proposition Initiative;;	Working Group
	Hamza Bassam	Tue, 04 Feb	08:00	12:00	Hybrid session	Triana 3	Purpose: Identify any remaining gaps in the methodology and establish actionable next steps for continued development and collaboration. Objective: By the end of the day, participants will have: Identified gaps and challenges in the integrated methodology. Developed a roadmap for addressing these gaps and advancing the Task Force's objectives. Structure: Morning Alignment and Reflection (30 minutes) Gap Analysis Workshop (1 hour, group discussions and brainstorming) Break Session & Networking (25 min) Planning Session: Roadmap and Next Steps for WGs (1 hour, including subgroup planning and documentation) Break Session & Networking (15 min) Synthesis and Generic Roadmap (30 min) Final Wrap-Up and Meeting Closure (20 min) Timing: Total: 4 hours (with breaks).	Agile Systems and Systems Engineering;Architecture;Configuration Management;Decision Analysis;Digital Engineering Information Exchange;Future of Systems Engineering (FuSE);Infrastructure;Integration, Verification & Validation;Knowledge Management;MBSE Patterns;Materials in System Engineering;Measurement;Requirements;Risk Management;SE Tools Database;System of Systems;Tools Integration & Model Lifecycle Management;Transportation;Value Proposition Initiative;;	Working Group
SE4Indus New WG co-chairs preparation	emmanuelle garcia	Sat, 01 Feb	15:30	17:00	Hybrid session	Andalucia 5	Final preparation with WG Co-chairs of the sunday open sessionReview draft of the primer to be presented on sunday, review of sunday session slides	SE for Industrial Systems (SE4Indus);	Working Group
SE4Indus: New WG presentation, Draft of Primer review	emmanuelle garcia	Sun, 02 Feb	15:30	18:00	Hybrid session	Sevilla 2	First official session of the new WG SE for Industrial Systems (SE4Indus)Purpose: Presentation of the WG, presentation of the co-chairs, Review of the Primer Draft Objective: review and improve the draft of the Primer, Identify new members that could contribute.Structure: 30 minute presentation, review of the primer in groups (1h30), debrief and way forward (30 min)	SE for Industrial Systems (SE4Indus);	Working Group
SE4Indus: Road-map, new-members presentation, closure	emmanuelle garcia	Mon, 03 Feb	14:00	15:30	Hybrid session	España 4	Purpose: New interested Members to present themselves, define 2025 road-map and organisation, closure session of the WG for the IW	SE for Industrial Systems (SE4Indus);	Working Group

SEBoK & WG Partnership Updates	Chris Hoffman, Nicole Hutchison	Sat, 01 Feb	10:00	12:00	Hybrid session	Andalucia 5	<p>Purpose: The SEBoK team (Editor in Chief & Managing Editor with the Part Editors) will share SEBoK needs and plans for the next version and beyond. Objective: WG representatives, SEBoK authors, and attendees will leave with a shared understanding of SEBoK needs (content to be reviewed or created), with guidelines and enough information to engage their groups to plan articles and more. Structure: Outline will be shared prior to the meeting. Discussion will vary based on attendees present, topics to cover are flexible. Zoom enabled for those not on site. Timing: 120 minutes with breaks. Our timing for the May release is as follows. NOTE that the first deadline is just a general concept of what content will be targeted for the May 5th release of v. 2.12 SEBoK, submitted by the Part Leads. If you will be at IW2025 and wish to meet directly with the Editor in Chief (Nicole) and Managing Editor (Chris), please ask us via email and we will coordinate a meeting time that works best.</p> <p>SEBoK Publication Milestones</p> <p>Deadlines This Time</p> <p>Establish what content will be in the next release</p>	SEBoK;	Working Group
	Chris Hoffman, Nicole Hutchison	Tue, 04 Feb	08:00	10:00	Hybrid session	España 4	<p>Purpose: WG representatives and SEBoK Part Leads will share their SEBoK contribution plans with the SEBoK Editor in Chief & Managing Editor. Objective: WG representatives, SEBoK authors, and attendees will have a shared understanding of SEBoK plans (content to be reviewed or created) to be committed for the upcoming versions. Structure: Open discussion & Zoom enabled for those not on site. Timing: 120 minutes with breaks. Our timing for the May release is as follows. NOTE that the first deadline is just a general concept of what content will be targeted for the May 5th release of v. 2.12 SEBoK, submitted by the Part Leads. If you will be at IW2025 and wish to meet directly with the Editor in Chief (Nicole) and Managing Editor (Chris), please ask us via email and we will coordinate a meeting time that works best. SEBoK Publication Milestones Deadlines This Time Establish what content will be in the next release Tuesday, February 4, 2025 Deadline to submit IP Forms Friday, March 7, 2025 Deadline to submit CM forms (add, delete, rename pages) Sunday, March 23, 2025 Part editors finalize content in draft SEBoK Monday, April 21, 2025 IP not received will be pulled Monday, April 21, 2025 Editorial Sign Off (part leads to M.E.) Wednesday, April 23, 2025 ME/EIC Review Thursday, April 24, 2025 SEBoK Finalization/PDF Friday, May 2, 2025 Publish Monday, May 5, 2025</p>	SEBoK;	Working Group
SEBoK Analysis of Standards Team	David Endler	Mon, 03 Feb	16:00	18:00	Closed session	España 4	<p>Purpose: Align on current status and plan next steps Objective: The team has created a proposal how to restructure Part 3 of SEBoK. This meeting is intended to do discuss the open items and agree on a common template for the Part 3 articles. Structure: The meeting structure is as follows: 1) Introduction, 2) Overview proposal for Part 3, 3) Go through open items, 4) Review template for Part 3 articles, 5) Agree on next steps, 6) Wrap up Timing: To go through the items listed un timing, 2h will be needed</p>	SEBoK Analysis of Standards Team;	Business Meeting
Sectors I, II, III Leadership All-Hands Meeting	Renee Steinwand	Mon, 03 Feb	13:30	14:30	Hybrid session	España 2	<p>Purpose: Welcome Chapter Leaders from All Sectors and provide information that is common to all sectors Objective: Share information across the sectors regarding INCOSE Strategy, One INCOSE, and Goals for 2025 Structure: 1 hour agenda of topics that are common across the Sectors - Leadership Message, Chapter Leader Resources, INCOSE Staff Support, 2025 Changes and Support</p>	Business Meeting;;	Business Meeting

SEQM Annual review and discussion	William Scheible	Sun, 02 Feb	11:30	12:30	Hybrid session	Andalucia 7	Meeting is our annual SEQM IW meeting Agenda: WelcomeReview of intent and purpose of the WG and to meet new membersReview of 2024 and the scholar ship program along with 2025 training plansOpen discussion on other ideas for 2025.	Systems Engineering Quality Management (SEQM);;	Working Group
Services Committee Meeting	Heidi Davidz	Sat, 01 Feb	15:30	17:00	Hybrid session	Andalucia 7	This meeting is for the INCOSE Services Committee to coordinate on the 2025 operating plan (Session 2).Purpose: Coordinate on 2025 operating planObjective: Alignment on 2025 plan, goals defined, metrics established to track progressStructure: Discussion of agenda items, brainstormingTiming: 90 minutes	Business Meeting;;	Business Meeting
	Heidi Davidz	Mon, 03 Feb	08:00	10:00	Hybrid session	Andalucia 2	This meeting is for the INCOSE Services Committee to coordinate on the 2025 operating plan (Session 1).Purpose: Coordinate on 2025 operating planObjective: Alignment on 2025 plan, goals defined, metrics established to track progressStructure: Discussion of agenda items, brainstormingTiming: 2 hours	Business Meeting;;	Business Meeting
SESSION 2: Scientification of architecture - Methodologies (Note: This is about using the BOK).	Alejandro Salado, William Miller	Sun, 02 Feb	09:30	11:30	Hybrid session	Sevilla 2	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: Initiate a community-wide activity to establish and use a Book of Knowledge that collects evidence about how architecture heuristics influence the ilities.Objective: Identify a group of early adopters, present the concept of a Book of Knowledge for architecture and process for its use, and establish a roadmap.Structure: (1) Presentation of rationale and history of work sponsored by the U.S. Army for the scientification of architecture. (2) Presentation of the Book of Knowledge and Architecture Framework, and (3) roundtables to establish a roadmap of action.Timing: 2 hours	Future of Systems Engineering (FuSE);;	Working Group
Small Business Systems Engineering	Ken Ptack, Ruediger Kaffenberger	Sat, 01 Feb	10:00	12:00	Hybrid session	Andalucia 2	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting? Review status of Deployment Packages (DP) and ISO/IEC 29110 StandardObjective: What are you trying to achieve in the meeting, and what does success look like? Revitalize the DP workStructure: What is the structure of the meeting we are having? Open discussionTiming: How much time is allocated to the meeting? 2 hours first day	Small Business Systems Engineering;;	Working Group
	Ken Ptack, Ruediger Kaffenberger	Tue, 04 Feb	09:00	10:00	Hybrid session	Andalucia 4	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting? Review previous results Objective: What are you trying to achieve in the meeting, and what does success look like? Decide the way forward to finish the DPsStructure: What is the structure of the meeting we are having? Open discussionTiming: How much time is allocated to the meeting? 1 hour	Small Business Systems Engineering;;	Working Group
Social and Socio-Technical Systems in SE: General Cases	Randall Anway, Cecilia Haskins	Mon, 03 Feb	16:00	18:00	Hybrid session	Triana 4	The general aim of this 2 hour session is to:- re-introduce the social systems working group- foster emerging conversations with other working groups- build conceptual bridges for joint projects and technical product(s)- plan activities for the coming yearThe format will be hybrid; remote participation is welcome.Roughly half of the session will be for short presentations and general discussion, followed by a brief break; the balance of the session will entail project/product break outs.	Social Systems;;	Working Group

Society 5.0 and Societal Systems	Grace Kennedy, Dimitri Masson	Tue, 04 Feb	10:00	12:00	Hybrid session	Cartuja	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Artificial Intelligence Systems;Enterprise Systems;Future of Systems Engineering (FuSE);Healthcare;Human Systems Integration;Infrastructure;Information Communications Technology;Natural Systems;Resilient Systems;SE in Early Stage Research & Development;Smart Cities Initiative;Social Systems;System of Systems;; Open meeting for researchers and industry members;	Working Group
Spiral Approach to Systems Engineering Research	Maarten Bonnema	Sat, 01 Feb	13:00	14:00	In-person session	Triana 2	The Spiral Approach to Systems Engineering Research (SASER) is a way to organize Industry as Laboratory research projects in systems engineering. It helps to create value for the researcher, the research group and the industry involved in such a way that all parties stay connected.In the workshop, participants are expected to:Learn from concrete actions and examples from the presenters' and the other participants' experience.Share concrete actions and examples from their own experience.Reflect on their work approach in collaboration with the industry.Contribute to all participants' common understanding of opportunities and challenges of Industry as Laboratory (IaL), Challenge-Based Learning (CBL) and the use of the Spiral Approach for Systems Engineering Research (SASER) when conducting engineering education and research in collaboration with industryThe workshop consist of Learning (10-15 minutes), Application (30 minutes) and Reflection (15-20 minutes).		Business Meeting
Standards Department Yearly Meeting Strategy Session	Daniel Siegl, Joe Marvin	Sun, 02 Feb	17:00	18:00	Hybrid session	Andalucia 3	Purpose: Tag up on INCOSE Standards InitiativesObjective: We are having our yearly meetup to discuss what's going on the World of Standards	Standards;	Working Group
	David Long	Fri, 31 Jan	09:00	17:00	Closed session	España 3	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?	Business Meeting;;	Business Meeting
		Fri, 31 Jan	09:00	17:00	Closed session	España 5	We strongly encourage proactive planning of the meeting agenda to maximize effectiveness and impact. The POST method is a simple way to give clarity before attendees join a meeting, and serves as a starting agenda outline.Purpose: What is the purpose of the meeting?Objective: What are you trying to achieve in the meeting, and what does success look like?Structure: What is the structure of the meeting we are having?Timing: How much time is allocated to the meeting?		Business Meeting
SysML v2 for PLE: Preparing the Digital Guide.	Marco Forlingieri	Mon, 03 Feb	14:30	16:00	Hybrid session	Andalucia 1	Alternative slot if previous does not work or no room available. We are flexible with the time.	Product Line Engineering;;	Working Group
SysML v2 Introductory Training	Sanford Friedenthal	Mon, 03 Feb	09:00	12:00	In-person session	Triana 4		MBSE Initiative;;	MBSE Workshop
SysML v2 Status & Overview	Sanford Friedenthal	Sat, 01 Feb	13:00	14:15	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
SysML v2 Support for the Digital Thread	Manas Bajaj	Sun, 02 Feb	10:30	11:00	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop

SysML v2 Transition Planning Working Session	Frank Salvatore, Chris Schreiber	Mon, 03 Feb	13:30	18:00	In-person session	Cartuja	Background: This is a follow-up to the SysML v1 to v2 Transition Information Session held at the 2024 INCOSE IW MBSE Workshop in January 2024. Note: here is significant transition guidance available at the SysML v2 Transition Wiki at (https://www.omgwiki.org/MBSE/doku.php?id=mbse:sysml_v2_transition) Objectives: The objective for this session is to motivate people to begin their transition planning and to provide results that help industry in their transition planning Agenda (DRAFT): 1:00 – 1:30 Transition Planning at LMC – Chris Schreiber 1:30 – 1:45 Breakout Guidance 1:45 – 2:30 Breakouts 2:30 – 3:00 Break 3:00 – 4:00 Breakouts (cont.) 4:00 – 5:00 Outbriefs	Agile Systems and Systems Engineering;Architecture;Complexity;Complex Systems;Decision Analysis;Defense Systems;Digital Engineering Information Exchange;Enterprise Systems;Healthcare;Integration, Verification & Validation;Knowledge Management;MBSE Initiative;MBSE Patterns;Measurement;NAFEM S-INCOSE Systems Modeling & Simulation;Object-Oriented Systems Engineering Method (OOSEM);Process Improvement;Product Line Engineering;Professional Competencies & Soft Skills;Requirements;SE in Early Stage Research & Development;Smart Cities Initiative;System of Systems;System Safety;Systems Systems Adaptability;;	MBSE Workshop Working Group
System Adaptability: Recent Use Cases and Studies	Haifeng Zhu	Sun, 02 Feb	16:00	18:00	Hybrid session	España 3	Part 2: WG Logistics and Multi-WG Collaborations 1.WG report: Different Team Leaders 2.WG collaboration plan.	Systems Adaptability;;	Working Group
	Haifeng Zhu	Mon, 03 Feb	15:30	18:00	Hybrid session	Triana 3	Part 1: System Adaptability: Recent Use Cases and Studies May collaborate with other WGs TBD:1) IEEE Smart Cities Standard's Usage of System Adaptability:By Ray Barton (Vice President and CTO Enercom Canada; Past President, INCOSE Canada) 2) Climate Change as A Complex Adaptive System:By Wei-Jen Lee (Professor, University of Texas at Arlington, IEEE Fellow) 3) Adaptations in Mission Systems:By Paul Hershey (Principal Fellow, Raytheon Technologies, IEEE Fellow) 4) Adaptation in Digital Twin with California Participation:By William Brooks (University of Colorado) 5) Relationship between Resilience and Adaptability:By Ken Cureton (Lecturer, University of South California, formerly Boeing) 6) Adaptability as a Risk Mitigation Method:By Jack Stein (Assistant Director, INCOSE America Sector) 7) OMG CubeSat Reference Architecture Model's Usage with Adaptable System Architectures By David Kaslow (Chair of INCOSE Space Systems WG) 8) Integrating System Dynamics and SysML: A Framework for Adaptable System Design in Complex Environments By Ivan W. Taylor (President and senior researcher in system dynamics at Policy Dynamics Inc., Canada)		
System of Systems WG	Alan Harding	Sat, 01 Feb	13:00	15:00	Hybrid session	Andalucia 7	SOS WG business meeting. The purpose is to review progress and achievements during the year, and plan working group activities for 2025.Both existing working group members and new attendees are very welcome in person and online.	System of Systems;;	Working Group

System Structure and Parameterization (SSP) Standard Overview	Hubertus Tummesheit, John Nallon	Sat, 01 Feb	13:30	15:30	Hybrid session	España 5	The System Structure and Parameterization (SSP) Standard was created to capture the evolution of a hierarchical complex system model and its variants. The subsystems can be any model types with defined input-output interfaces but are typically models in either the Functional-Mockup-Interface (FMI) Standard, or in SSP Version 2.0, using the Modelica Language. The SSP standard is a formalized, executable Interface Control Document (ICD) for the system model. It forms the basis for model verification and verification of such system models. Adoption has been fastest in the Automotive industry, mostly due to the strong need of formal supplier-OEM collaboration including the exchange of executable models. SSP also offers "Layered Standards", to add documentation, model reports and process artifacts in a standardized, but flexible and extensible manner. In this session, we will present the SSP-standard and its use cases, and the SSP-Traceability Layered standard that adds traceability metadata to an SSP-based model. Finally, we will demonstrate an example model in SSP using the EasvSSP cloud-based tool.	MBSE Initiative;Tools Integration & Model Lifecycle Management;PDES MBSE WG;	Working Group
Systems Science WG - Initiatives Overview	Javier Calvo-Amodio, James Martin, Harington Lee	Sat, 01 Feb	10:00	12:00	Hybrid session	Andalucia 7	Purpose: Introduce the SSWG and our initiatives to INCOSE members.Objective: Create enthusiasm and recruit INCOSE members interested in advancing the science of systems as one of the theoretical foundations of systems engineering in alignment with INCOSE's Vision 2035.Structure: Overview of SSWG, introduction to all initiatives, and interactive session at the end.Timing: 2 hours.	Systems Science;;	Working Group
Systems Thinking Roundtable STRT	Cecilia Haskins	Sat, 01 Feb	07:00	08:00	In-person session	España 4	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Sun, 02 Feb	07:00	08:00	In-person session	España 4	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Mon, 03 Feb	07:00	08:00	In-person session	España 4	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Tue, 04 Feb	07:00	08:00	In-person session	España 4	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
TechOps Leaders Meeting	Tami Katz	Sun, 02 Feb	13:30	15:30	Closed session	Sevilla 2	Purpose: 2025 Planning among the Technical Operations Directors and Assistant Directors	Business Meeting;;	Business Meeting
Theme Workshop: Digital Twin	Jean-Luc Garnier, Anand Kumar	Mon, 03 Feb	08:00	10:00	Hybrid session	Sevilla 2	What are Digital Twins? What can be twinned?		Business Meeting
	Jean-Luc Garnier, Anand Kumar	Mon, 03 Feb	10:30	12:30	Hybrid session	Sevilla 2	Why twinning entities?		Business Meeting
	Jean-Luc Garnier, Anand Kumar	Mon, 03 Feb	13:30	15:30	Hybrid session	Sevilla 2	How to twin?		Business Meeting
	Jean-Luc Garnier, Anand Kumar	Mon, 03 Feb	16:00	18:00	Hybrid session	Sevilla 2	What is missing for better twinning and value?		Business Meeting
Theme Workshop: Energy Transition	Erika Palmer	Sat, 01 Feb	10:00	12:00	Hybrid session	Cartuja			Business Meeting
	Erika Palmer	Sat, 01 Feb	13:00	15:00	Hybrid session	Cartuja			Business Meeting
		Sun, 02 Feb	09:30	12:30	Hybrid session	Cartuja			Business Meeting
TIMLM - DEIX Collaboration Meeting	John Nallon, Juan Mendo	Tue, 04 Feb	10:30	12:00	In-person session	Andalucia 6	A joint meeting with the TIMLM and DEIX WG regarding DE taxonomy (definitions and annotations) and consideration of NAS9300-007 LOTAR Definitions for standard development.	Digital Engineering Information Exchange;Tools Integration & Model Lifecycle Management;;	Working Group
TIMLM and ASD-SSG Planning Session	John Nallon, Kyle Hall	Tue, 04 Feb	09:00	10:30	Closed session	Andalucia 7	A joint planning session to develop a collaboration plan for standards use cases, development and web site support.	Tools Integration & Model Lifecycle Management;;	Business Meeting

TLI Topical Engagement: Ascending into Leadership	David Long, Suja Joseph-Malherbe	Sun, 02 Feb	16:00	17:30	Closed session	Triana 3	Systems engineering is a strong foundation for increased responsibilities as a technical leader—and for senior leadership. We will discuss how systems engineering has evolved and how this prepares you for leading at all levels in an increasingly complex world. This special technical leadership engagement session led by Paul Nielsen is open to all members of the Technical Leadership Institute (Cohorts 1-10 inclusive). Dr. Paul D. Nielsen is the Director and CEO of Carnegie Mellon University's Software Engineering Institute. The SEI advances software engineering, cybersecurity, and artificial intelligence to support the US Department of Defense and the global community. Previously Nielsen served in the U. S. Air Force for 32 years, retiring as a major general. Nielsen is a member of the U. S. National Academy of Engineering and a Fellow of the American Institute of Aeronautics and Astronautics (where he served as President), IEEE, and the International Council on Systems Engineering. He received his PhD in computational plasma physics from the University of California, Davis.	Business Meeting;;	Business Meeting
Town Hall - One INCOSE	Ralf Hartmann	Sun, 02 Feb	08:00	09:00	Hybrid session	Sevilla 1+2			Plenary
Transition Planning Approach at LMC	Chris Schreiber	Sat, 01 Feb	14:15	15:00	Hybrid session	Sevilla 1	(Includes open Q&A, discussion, demo,...)	SysML v2 Transition	MBSE Workshop
Transitioning the Concurrent MBSE Environment to SysML v2	Hans Peter de Koning, Sam Gerene	Sun, 02 Feb	11:00	11:30	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
TWG + Infrastructure WG	IWG Leader, Dale Brown, Marcel van de Ven	Sun, 02 Feb	14:30	17:30	Hybrid session	Andalucia 5	Purpose: Working together to share scarce volunteer resources amongst related INCOSE Working Groups (i.e., 'Infrastructure-adjacent')Objective: Increase collaboration and efficiency via shared resources and improved coordinationStructure: Initial Recap presentation (from IW2024) to set the scene followed by brainstorming Workshop Timing 1st hour: Look back to IW 2024 presentation with initial notes and conclusionsTiming 2nd hour: Workshop with brainstormingTiming 3rd hour: Presentation on the Dublin MetroLink from INCOSE UK	Infrastructure;Smart Cities Initiative;Transportation;;	Working Group
	IWG Leader, Dale Brown, Marcel van de Ven	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 5	Purpose: Expand the initial group from Sunday to Critical Infrastructure + Energy + Communications + ...Objective: Involve TechOps and discuss who is interested in the idea of this "Summit" and Umbrella / Overarching Working Group for sharing resources and working together on productsStructure: Summary from Day 1 session and continued discussionTiming: 30 minutes summarize Sunday's meetingTiming: 1 hour discussion improved task descriptions/ less searching "how do I find my way around in INCOSE" (introduction video from Smart Cities)Timing: 30 minutes get volunteers	Infrastructure;Smart Cities Initiative;Transportation;;	Working Group
UAF SysML v2 Extension	Aurelijus Morkevicius	Sun, 02 Feb	09:30	10:00	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
Unleashing Your Leadership Potential: Inspired by 'I Am Remarkable'	Stueti Gupta, Anabel Fraga, Victoria Hayes, Alice Squires	Mon, 03 Feb	16:00	18:00	Hybrid session	Andalucia 1	This 2-hour workshop is designed to empower professionals in systems engineering and related fields to recognize and celebrate their achievements, overcome self-limiting beliefs, and enhance their leadership potential. Inspired by the "I Am Remarkable" initiative, the session focuses on building self-confidence, promoting self-advocacy, and providing strategies to navigate leadership challenges. Participants will engage in interactive activities that encourage reflection, sharing, and the development of actionable plans to advance their careers. This workshop is a step toward embracing your unique contributions and accelerating your journey in leadership. By recognizing your achievements and planning actionable steps forward, you'll be better equipped to make a meaningful impact in your field. We look forward to supporting and celebrating your growth!	Diversity, Equity, & Inclusion (DEI);Empowering Women Leaders in Systems Engineering (EWLSE);;	Working Group

Vendor Q&A		Sat, 01 Feb	17:15	18:30	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
Vendor Roadmaps and Implementation Status		Sat, 01 Feb	15:30	17:15	Hybrid session	Sevilla 1		SysML v2 Transition	MBSE Workshop
Virtual Systems Thinking Roundtable STRT	Cecilia Haskins	Sat, 01 Feb	07:00	08:00	Hybrid session	Virtual	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Sun, 02 Feb	07:00	08:00	Hybrid session	Virtual	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Mon, 03 Feb	07:00	08:00	Hybrid session	Virtual	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
	Cecilia Haskins	Tue, 04 Feb	07:00	08:00	Hybrid session	Virtual	Jumpstart your day with the Systems Thinking Roundtable! Enjoy an hour of reflection with colleagues and friends as we share (or just listen) our thoughts on the topic of the day.		Working Group
WG Leaders Meeting	Tami Katz	Tue, 04 Feb	10:00	12:00	Closed session	España 4	Purpose: Technical Operations information exchange to Working Group Leaders (or their representatives).	Business Meeting;;	Business Meeting
WG Marketplace		Sat, 01 Feb	08:00	18:00	In-person session	Atrio III			Social Event
		Sun, 02 Feb	08:00	18:00	In-person session	Atrio III			Social Event
		Mon, 03 Feb	08:00	18:00	In-person session	Atrio III			Social Event
		Tue, 04 Feb	08:00	14:30	In-person session	Atrio III			Social Event