

Meeting Name	Time Start	Time End	Room	Meeting Listing	Meeting Description	Related WG	Type
Friday							
INCOSE Institute for Technical Leadership	07:30	17:30	Pier 5	Closed		Competency;Business Meeting;Technical Leadership	Business Meeting
Strategy Session	09:00	09:30	Salon BC	Closed	Kick-off, update on the INCOSE strategy, and introduction to the topics	strategy session;	Business Meeting
Strategy Session: FuSE	09:30	15:30	Salon F	Closed		strategy session;	Business Meeting
Strategy Session: Getting the Most Out of Strategic Alliances	09:30	12:15	Salon BC	Closed		strategy session;	Business Meeting
Strategy Session: Making INCOSE Events Widely Accessible	09:30	12:15	Salon A	Closed		strategy session;	Business Meeting
Strategy Session: Impacting the World of Standards	13:00	15:30	Salon A	Closed		strategy session;	Business Meeting
Strategy Session: Improving Incentives for Leaders to Volunteer	13:00	15:30	Salon BC	Closed		strategy session;	Business Meeting
Strategy Session	15:30	17:00	Salon BC	Closed	Summary from each segment Wrap-up and way forward	strategy session;	Business Meeting
Saturday							
Systems Thinking Round Table	07:00	08:00	Pier 2+4	Open/Working session		Systems Science;	Working Group
Marcom	08:00	17:00	Bungalow	Closed			Business Meeting
Opening Plenary	08:00	10:00	Salon DE	Open			Plenary
Competency Assessment Guide Development	10:00	16:30	Pier 7	Open/Working session	Working meeting to develop the ISECF Competency Assessment Guide.	Competency;	Working Group
First-Time Attendee Session	10:00	10:30	Lighthouse Ballroom	Closed	New to the International Workshop? Learn how to make the most this unique event as you enjoy coffee with seasoned INCOSE members ready to share their insights. Take advantage of this special opportunity to make new connections across the systems engineering community and have some fun as you gain insights into the workshop and how INCOSE can help advance your career.		Business Meeting
Human Systems Integration	10:00	17:00	Salon G	Open/Working session	Review of the new HSI chapter for the next SE Handbook	Human Systems Integration;	Working Group
Introduction to Social Systems WG	10:00	11:30	Salon F	Open/Working session	WG introduction with moderated, action-oriented discussion on intersections of social dynamics and systems science, engineering, and practice; follow up to be outlined. In this introductory session of the new Social Systems WG (SocWG), we invite participation from those interested in social systems from any perspective. We will briefly review the SocWG charter, and then facilitate an open discussion on the prospects of considering social systems in the context of systems science, engineering, and practice. We will use this session to entertain initial ideas for WG collaboration projects and, over the course of the IW, stimulate multiple focused conversations on the relevance of social systems to the INCOSE community. Opportunities for feedback and continued interaction at the WG level (including our closing work session Tue 28, Jan 09:00-10:00) during and following IW will be discussed.	Social Systems;#MBSE	Working Group
Joint Session with SoSWG & CSWG	10:00	12:00	Pier 5	Open/Working session		Complex Systems;System of Systems;	Working Group
OOSEM Process Model Demonstration	10:00	12:00	Pier 10	Open/Outreach session	A generic model of the Object-Oriented SE Method process is under development by the OOSEM WG. The model has been developed using the Eclipse Process Framework (EPF), an open source process modeling tool. At this session we will demonstrate the model and discuss how it can be tailored for use by specific organizations and projects.	Object-Oriented SE Method;#MBSE	Working Group
Organizational meeting for SE4AUES	10:00	11:30	Pier 9	Open/Working session	Plan way ahead for SE4AUES project	Systems Engineering for all Undergraduate Engineers	Working Group
Requirement Working Group Closed Meeting Saturday	10:00	13:30	Salon A	Closed		Requirements;#MBSE	Working Group
Systems Science Working Group	10:00	17:00	Pier 2+4	Open/Working session	Research presentations and discussions on systems science and its relationship to systems engineering. Building alignment and shared vision with other working groups. Outreach to both the academic and practitioner community.	Systems Science;#MBSE	Working Group
Training Partners with INCOSE	10:00	11:00	Pier 11	Open/Outreach session	The goal is to begin a discussion with training providers or those interested in providing training to determine what business model(s) will work for partnering with these individuals and organizations. The meeting will consist of a presentation of what types of skills and training formats INCOSE is interested in, followed by discussion of what trainers would be able to provide.	Education & Training	Working Group
Asia Oceania Sector Directors meeting	10:30	12:00	Pier 1	Open			Business Meeting
Certification Advisory Group	10:30	17:00	Pier 8	Closed			Business Meeting
Chapter Awards Program	10:30	18:00	Hideaway	Closed			Business Meeting
Corporate Advisory Board Meeting	10:30	17:00	Salon D	Closed			Business Meeting
EMEA sector chapter leaders meeting	10:30	12:00	Pier 3	Open			Business Meeting
Events core planning committee	10:30	12:00	Suite 532	Closed			Business Meeting
INCOSE SE Handbook Input and Coordination Session	10:30	12:00	Suite 527	Open/Working session	This session is for WGs, individuals, and any other groups to meet with the handbook editors. Stop in anytime. Contact the Lead Editor Dave Walden if a specific time slot is desired.	INCOSE SEH v5;	Working Group
Intro To Natural Systems	10:30	12:00	Suite 536	Open/Working session	Intro to natural systems. Updates from NASA, Design Society, and Len Troncale.	Natural Systems;#MBSE	Working Group
MBSE Initiative	10:30	18:00	Salon E	Open	10:30-11:00 Opening: MBSE Initiative Update Mark Sampson (Siemens) 11:00-12:00 MBSE Keynote Speaker: Fostering MBSE in engineering culture Stephane Bonnet (Thales) 12:00-13:00 Lunch 13:00-13:10 Opening: Transformation Lightning Talks 13:10-13:30 MBSE Diamond Dan Seal (Boeing) 13:30-13:50 Do's & Don'ts of MBSE Kevin Robinson (Shoal Group) 13:50-14:10 Using MBSE to Architect MBSE System Ryan Noguchi (Aerospace) 14:10-14:30 MBSE, harder than doing your tax return Devon Clark (Deloitte) 14:30-15:00 Transformation Lightning Speaker Interaction/Q&A 15:00-15:30 Break 15:30-15:40 Opening: SE In Action Lightning Talks 15:40-16:00 Integrating MBSE in Engineering Education Hazim El-Mounayri (IUPUI) 16:00-16:20 Knowledge Based Systems Engineering Bob Sherman (P&G) 16:20-16:40 Role of AI & Simulation in MBSE Graham Bleakley (IBM) 16:40-17:10 SE In Action Lightning Talks: Speaker Interaction/Q&A 17:10-17:30 MBSE Workshop: Wrap Up & Look Ahead Mark Sampson & Troy Peterson	#MBSE	Business Meeting
Systems Security WG General Workshop	10:30	17:00	Salon H	Open/Working session		Systems Security Engineering;	Working Group
Technical Operations Assistant Directors meeting	10:30	12:00	Salon BC	Closed		Admin/Committee meeting;	Business Meeting
IS2020 Technical review	11:00	16:30	Pier 6	Closed	Finalization of IS2020 reviews and draft program		Business Meeting
Technical Operations Working Group Leadership luncheon	12:00	13:00	Salon BC	Closed	o Give information to WG chairs o Opportunity for WG chairs to express their needs o INCOSE President and President Elect will be attending		Business Meeting

AI and Ethics	13:00	14:30	Pier 10	Open/Working session	We will begin our discussion of AI and Ethics with an basic overview of ethics, leading to presentations and discussion around different ethical issues in AI. Camilo Olaya: The Basics of Ethics and AI Professor Camilo Olaya from Universidad de los Andes will provide a basic introduction on different types of ethics and how they are different in the philosophy of science versus the philosophy of engineering. The learning objective: understanding that ethics can mean different things in various domains in order to provide context for the other presentations in the session. Erika Palmer and Maja Farstad: AI and Feminist Engineering Ethics Feminist engineering ethics is the evaluation of gender issues over the lifecycle of a product, process or project, with a specific focus on design. Erika and Maja will briefly discuss what this means in the context of AI. The learning objective: understanding that there is a gender perspective for AI in the ethics of engineering. Walter Rawle: Safety and Ethics in Autonomous Systems	Complex Systems;Social Systems;#MBSE	Working Group
Function based methods in NS and SE	13:00	15:00	Suite 536	Open/Working session	Natural systems and climate. AskNature, Biomimicry Challenge, and ClimateKIC.	Natural Systems;#MBSE	Working Group
FuSE Open Meeting	13:00	15:00	Salon F	Open/Working session	Open Session for members to talk to the FuSE Leads	FuSE	Working Group
Resilient Systems Working Group Meeting	13:00	16:30	Suite 532	Open/Working session		Agile Systems and Systems Engineering;Critical Infrastructure Protection and Recovery;Loss-Driven SE Initiative;Requirements;Resilient Systems;Risk Management;System Safety (Emerging);	Working Group
SE Handbook Editor Meeting	13:00	17:00	Pier 1	Closed	Coordination meeting of the handbook editors.	INCOSE SEH v5;	Working Group
Small Business Systems Engineering (SBSE) WG (formerly the VSE WG)	13:00	15:00	Pier 11	Open/Working session	During this session we will review ISO/IEC 29110 product status, discuss how we can provide comments on draft documents, and use ISO/IEC 29110 to support our Deployment Packages (DPs) and to refine Teaching Kits based on the information of a business sponsored SBSE Capstone class. We will review ISO/IEC 29110 5-6-3 and begin updates for the Intermediate Profile. The SBSE leadership team will discuss the importance of group outreach to other organizations and presentations at conferences.	Small Business Systems Engineering;	Working Group
Space Systems Working Group - Outreach	13:00	14:30	Pier 3	Open/Working session	CubeSat System Reference Model Status	Space Systems;#MBSE	Working Group
DEIXWG Planning Session	13:30	15:30	Pier 5	Open/Working session	Support the development of Digital Views in support of the Digital Engineering Information Exchange Challenge.	Architecture;Conf igation Management;Digital Engineering Information Exchange;Infrastructure;Knowledge Management & Ontologies;MBSE Patterns;PM-SE Integration;Process Improvement;Tools Integration & Model Lifecycle Management;#MBSE	Working Group
Requirement Working Group Open Meeting Saturday	13:30	17:00	Salon A	Open/Working session	RWG Special Topic Session	Requirements;#MBSE	Working Group
SE Tools Database	13:30	17:00	Suite 529	Open/Working session	Working meeting to review updates to tool vendor surveys, database taxonomy and categories.	SETDB; #MBSE	Working Group
Smart Cities Initiative	14:00	15:30	Suite 527	Open/Working session	Review content and organization of Connect site.	Smart Cities Initiative; FuSE	Working Group
SE and AI Primer Development	14:30	15:30	Pier 10	Open/Working session	An effort is underway to develop a primer for AI opportunities and challenges for Systems Engineering. Open Working session where progress to date will be discussed and ideas from participants will be discussed.		Working Group
IWG Year Review & Product Development	15:00	17:00	Pier 3	Open/Working session	Discuss Year 2019 Activities. Review of goals, objectives, and achievements. Discuss products under development.	Infrastructure;	Working Group
System Safety working group - meeting 1	15:00	16:30	Pier 9	Open/Working session	The first of two meetings looking at: * C Suite Guide * System safety perspectives paper * Working group planning	System Safety (Emerging);	Working Group
Complexity in Natural and Social Systems	15:30	17:00	Pier 5	Open/Working session	We will be exploring complex, natural and social systems through invited presentations and participant discussion. Speakers/Abstracts: Randy Anway: Cross-disciplinary knowledge sharing with the natural and social sciences: why now and how? Randy Anway will discuss natural systems as abstractly social and complex and the salience of insights from biology to emerging applications in socio-technical systems transformation. The learning objective: participants will be able to situate their practice relative to current socio-technical challenges and appreciate collaborative challenges of discipline growth and development. Mike Watson: Appreciative Inquiry for the Complexity of Natural and Social Systems Mike Watson will present the CSWG paper on Appreciative Inquiry. Social and organizational systems are complex, and as such, Appreciative Inquiry is based on methods used to understand these complex systems. Appreciative Inquiry involves the art and practice of asking questions that strengthen the capacity to apprehend, anticipate and heighten positive potential. It seeks to identify and build on the knowledge of what has already been proven to work, when this knowledge is spread across many diverse stakeholders. The Learning Objective: Being introduced to Appreciative Inquiry as a means to identify complexity in social and natural systems. Vicky Hailey: "Do No Harm"	Complex Systems;Natural Systems;Social Systems;	Working Group
FuSE AI Team Meeting	15:30	17:00	Salon F	Open/Working session	FuSE AI Team IW Kickoff Meeting	FuSE	Working Group

Small Business Systems Engineering (SBSE) WG (formerly the VSE WG)	15:30	17:00	Pier 11	Open/Working session	During this session we will review ISO/IEC 29110 product status, discuss how we can provide comments on draft documents, and use ISO/IEC 29110 to support our Deployment Packages (DPs) and to refine Teaching Kits based on the information of a business sponsored SBSE Capstone class. We will review ISO/IEC 29110 5-6-3 and begin updates for the Intermediate Profile. The SBSE leadership team will discuss the importance of group outreach to other organizations and presentations at conferences.	Small Business Systems Engineering;	Working Group
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Sunday

INCOSE Institute for Technical Leadership	07:00	09:00	Salon B	Closed	Follow Up Strategy Meeting for Cohort 5	Competency;Business Meeting;Technical Leadership	Business Meeting
Systems Thinking Round Table	07:00	08:00	Pier 2+4	Open/Working session		Systems Science;	Working Group
INCOSE Certification knowledge exam	08:00	11:00	Pier 9+11	Open/Outreach session	INCOSE Certification Knowledge Exam open to all conference attendees with prior registration.		Business Meeting
Shaping the Next Version of the INCOSE SE Handbook, and How You can Join in the Journey	08:00	08:30	Salon D	Open	The INCOSE systems engineering handbook provides novice and experienced systems engineers with life cycle concepts and processes to be used to learn and apply Systems Engineering. The handbook also serves as the basis for the INCOSE SEP certification examination. The Fourth Edition of the handbook was released in 2015. INCOSE is at the early stages of updating the handbook to the next edition. The purpose of this Town Hall session is to provide an update on the handbook effort and provide insight as to how INCOSE working groups, chapters, and individual members can become involved in its creation and review.	Townhall	Plenary
Transforming an Industry: ASME-INCOSE Collaboration	08:30	09:00	Salon D	Open	Come join the effort to transform the high-hazard industrial facility development industry! Over the last 30 years, productivity has declined on projects that design and construct facilities having potential for significant hazards to environment, safety and health of the worker and/or the public. ASME is working to transform this industry by developing a standard addressing design of plant systems for nuclear, fossil and petrochemical, chemical, and hazardous waste plants and facilities. The standard will provide processes and procedures for design organizations to: (a) integrate process hazard analysis in the early stages of design; (b) institute systems engineering processes, practices and tools; and (c) integrate risk informed probabilistic design methodologies with traditional deterministic design. The focus is to provide requirements and guidance for development processes, methodologies and tools that will provide safer and more efficient facility system and component designs with quantified safety levels.	Townhall	Plenary
Agile Systems and SE WG Workshop	09:00	17:00	Salon H	Open/Working session	Agile Systems & SE WG Workshop will review projects in process, collaborations in process, consider new projects, and discuss whatever you like.	Agile Systems and Systems Engineering;	Working Group
Certification Advisory Group	09:00	17:00	Pier 8	Closed			Business Meeting
Competency Assessment Guide Development	09:00	16:30	Pier 7	Open/Working session	Working meeting to develop the ISECF Competency Assessment Guide.	Competency;	Working Group
Corporate Advisory Board Workshops	09:00	12:00	Salon D	Closed			Business Meeting
DEIXWG Planning Session	09:00	12:00	Salon F	Open/Working session	Support the development of Digital Views in support of the Digital Engineering Information Exchange Challenge.	Architecture;Configuration Management;Digital Engineering Information Exchange;Infrastructure;Knowledge Management & Ontologies;MBSE Patterns;PM-SE Integration;Process Improvement;Tools Integration & Model Lifecycle Management;#MBSE	Working Group
Events core planning committee	09:00	10:00	Suite 532	Closed	Strategy Meeting		Business Meeting
INCOSE-PMI Alliance	09:00	10:30	Suite 527	Closed	PMI-INCOSE Alliance Meeting	Admin/Committee meeting;	Business Meeting
MBSE Initiative	09:00	18:00	Salon E	Open	9:00-9:30 SysML v2 Update Sandy Friedenthal 9:30-10:00 Opening: Transformation Initiative Troy Peterson 10:00-10:30 Break 10:30-10:50 Capability Assessment Matrix Survey Tom McDermott 10:50-11:40 Working Group Round Robin Configuration Management Working Group Alek Przybylo PLE Working Group Drew Stovall Telecom Working Group John Risson MBSE Measures Paul Frenz India Chapter MBSE Update Nikhil Joshi Future of SE Update (FuSE) Bill Miller 11:40-12:00 MBSE Collaborations, MB Activities Bill Schindel 12:00-13:00 Lunch 13:00-13:20 MBX Ecosystems Russell Peak (Georgia Tech) 13:20-13:40 DoD OSD MBE Update Frank Salvatore 13:40-14:00 MBSE Standards Update Eric Gauthier/Lalitha Abhaya 14:00-14:20 Credible System Model Assessment Ed Carroll (Sandia) 14:20-14:40 AI/AUI MBSE Update Mark Petrotta, Tom Shortell 14:40-15:00 MBSE Tools Database Update John Nallon 15:00-15:30 Break 15:30-16:00 CubeSat Reference Model David Kaslow 16:00-16:30 NAFEMS-INCOSE Systems Modeling and Simulation WG Roger Burkhart (John Deere) 16:30-17:00 Production & Logistics Challenge Team Tim Sprock (NIST) 17:00-17:30 OSLC Bill Chown (Mentor Graphics) 17:30-18:00 MBSE Initiative / Transformation Wrap Up Troy Peterson & Mark Samson	#MBSE	Business Meeting

Social Systems Engineering: Practitioners' Roundtable	09:00	10:30	Pier 5	Open/Outreach session	In this session, we have presenters who are practicing social systems engineering of any shape or form (or by any name) - i.e. those who use systems engineering for social systems and those who apply social science to systems engineering. We have invited presenters, but we would also like to invite those in attendance to discuss their work in this area. The goal of this session is to provide a space for those interested or already working in this area to build their network. Speakers/Abstracts: Mike Watson: Sociology of Engineering Mike Watson from NASA's Marshall Space Flight Center will discuss his Sociology of Engineering course taught through their Organizational Development office. Learning Objective: Showing the need for and the potential an Organizational Development Office in engineering organizations - a critical sociology function within the organization. Camilo Olaya: Social Systems Engineering Professor Camilo Olaya from Universidad de los Andes will discuss his Social Systems Engineering Course that he runs with master's students in industrial engineering. He will also present highlights from the textbook he is editor of, titled: Social Systems Engineering: The Design of Complexity. The learning objective: seeing the early development of social systems engineering as a subfield of systems engineering. Dana Polojarvi: Systems Thinking Competencies for Engineers through the Humanities Professor Dana Polojarvi from the Maine Maritime Academy will discuss how to use systems thinking competencies as a guiding pedagogical tool for teaching humanities courses to engineers while at the same time developing their problem solving skills. The learning objective: Understanding how these systems thinking competencies as the basis for teaching History and social sciences subject matter adds a useful problem solving narrative that merges these fields with social systems engineering in ways that Research presentations and discussions on systems science and its relationship to systems engineering. Building alignment and shared vision with other working groups. Outreach to both the academic and practitioner community.	Social Systems;	Working Group
Systems Science Working Group	09:00	17:00	Pier 2+4	Open/Working session	Working Session - Developing Artifacts and best practices for Communications Networks	Systems Science;#MBSE	Working Group
Telecommunications Working Group	09:00	12:00	Suite 536	Open/Working session	Collaborative meeting - TWG-AWG-IWG-CIPR-Smart City Initiative Joint Session to explore collaborative efforts between these 5 working groups for the 2020 period and beyond. The overlap and synergies between these working groups should enable better use of scarce volunteer resources. This is an open planning and brainstorming session.	Complex Systems;MBSE Initiative;PM-SE Integration;Power & Energy Systems;Telecommunications;Transportation;	Working Group
TWG-IWG-AWG-CIPR Collaboration	09:00	12:00	Salon C	Open/Working session	The objectives are: • Identify initial scope of changes to SE Vision 2035 • Identify critical factors to more effectively realize the Vision (Vision exposure, INCOSE alignment, ..) • Review SE Vision 2035 plan, approach, and expectations	Automotive;Critical Infrastructure Protection and Recovery;Infrastructure;Transportation;TWG-IWG-AWG-CIPR Collaboration	Working Group
Systems Engineering Vision 2035 Core Team Meeting	09:30	17:00	Suite 529	Closed	This meeting will finalize the content of the ASME-INCOSE Memorandum of Understanding. This MOU is focused on the new ASME Plant System Design Standard (PSD-1). It is a meeting between ASME PSD-1 and INCOSE Leadership.	INCOSE-ASME Collaboration;	Working Group
ASME-INCOSE MOU	10:00	11:00	Bungalow	Closed	Engage INCOSE IW Early Career Professionals in the ECP Task Team. Plan ECP activities for IS 2019	Early Career Professionals	Working Group
Early Career Professional Engagement	10:00	12:00	Salon G	Open/Outreach session	Strategy Meeting and Way Ahead for Cohort 4	Competency;Business Meeting;Technical Leadership	Business Meeting
INCOSE Institute for Technical Leadership	10:00	12:00	Salon B	Closed	Finalization of IS2020 reviews and draft program	Requirements;#MBSE	Working Group
IS2020 Technical review	10:00	16:30	Pier 6	Closed	Review SETDB Architecture and Operational Procedures for the final product.	Tools Integration & Model Lifecycle Management; #MBSE	Working Group
Requirement Working Group Meeting Sunday	10:00	13:30	Salon A	Open/Working session		Foundations	Working Group
SETDB Operations Management Planning	10:00	17:00	Hideaway	Closed	The Board of Governors will review progress, plans, budget, and other considerations for 2020 and beyond.	BKCASE	Business Meeting
Vision 2035 Theoretical Foundations Work Session	10:00	15:00	Pier 3	Closed			Business Meeting
BKCASE Governing Board Meeting	10:30	12:00	Pier 1	Open/Working session	How engineers use function to find bio-inspired solutions. Modeling in bio-inspired design and engineering.	Natural Systems;	Working Group
Events - IS2020 Update	10:30	12:00	Suite 532	Closed	Our goal is to implement our approach of members training members and recruit presenters to present topics of interest to INCOSE members.	Training;#MBSE	Working Group
Fellows Selection Committee	10:30	12:00	Pier 10	Closed			Business Meeting
Function in design and natural systems.	10:30	12:00	Suite 527	Open/Working session			Business Meeting
Training Working Group	10:30	11:00	Pier 5	Open/Working session			Business Meeting
Honours & Awards Committee	11:00	11:30	Bungalow	Closed			Business Meeting
Board of Directors Meeting	12:00	17:30	Pier 5	Closed			Business Meeting
Chapter Awards Lean Improvement	13:00	17:00	Pier 10	Open/Outreach session			Business Meeting
Climate and patterns	13:00	15:00	Suite 527	Open/Working session	Iana Aranda: Engineering climate resiliency for underserved communities Erika Guttman-Bond: Rediscovering Sustainability Past societies and their response to changes in climate Prashant Dawan: Biomimicry: Think like 3.8 billion years of evolution! (A shift from accidental resonance to a conscious harmonisation with the 'Living Planet') The systems that exist in living nature have evolved over a period of 3.8 billion years under operating conditions, limits and boundaries that apply to all that exists on our planet including the human species. If we look at nature's systems, for example an ancient forest, we find there is zero waste, zero pollution and nothing akin to a crisis of 'unemployment' in the billions of plant and animal species. Evidence from living nature suggests that systems in nature are among the most time tested solutions that we can learn from and have a lot of offer in terms of ideas that can change our world for the better. But how do we translate the systems and processes that work so well in living nature into usable solutions for our problems? Can, and should, everything in nature be mimicked? And that is where biomimicry comes into the picture. The talk & presentation looks at 'Biomimicry' - a multidisciplinary, systems based approach that looks at nature, not just as a source of raw materials, but as a source of ideas and solutions, and takes up a few questions: What can we learn from nature about procuring material / services? What can we learn from nature about sustainable design? What can we learn from nature about creating (or transforming) organisations/networks (institutions / corporations /etc..)such that they do not become 'self-serving' and are always aligned to the health and betterment of the larger system that they were designed to 'serve'? The talk ends with summarising the inspirations from nature to the above questions and how by emulating these we can start moving towards a better future and live well on planet earth, within our given resources! Think like 3.8 billion years of evolution & create beautiful, beneficial and blissful materials!	Natural Systems;Social Systems;	Working Group

Complex Systems Working Group	13:00	16:00	Salon C	Open/Working session	Schedule meeting to accomplish following: 15288 revision and complex systems input Systems Engineering Handbook, Revision 5, and the need to reflect the Primer on complex systems INCOSE systems model Insight article? Complex Systems Definition Revision of Primer Ethical Artificial Intelligence	Complex Systems;	Working Group
Digital Engineering Pain Points	13:00	15:00	Salon F	Open/Working session	The Office of the Under Secretary of Defense for Research and Engineering (OUSDR&E) is implementing the Digital Engineering Strategy across our Service, Industry, and Academic partners. We have developed pain points that we will collectively address as a community to drive implementation across the Enterprise. This will be a working session to review the pain points, to identify industry perspective, and to determine areas that INCOSE can help to address the pain points.	DEIXWG;#MBSE	Working Group
Foundation Meeting	13:00	16:00	Pier 1	Open			Business Meeting
Loss-Driven SE Initiative	13:00	17:00	Suite 532	Open/Working session	- Discussion of the meaning and value of Loss-Driven Systems Engineering - Workshop: tools, techniques and practices of various loss-driven specialty areas (LDSA), identify their value to other LDSAs, identify key references and practitioners	Agile Systems and Systems Engineering;Critical Infrastructure Protection and Recovery;INCOSE SEH v5;Loss-Driven SE Initiative;MBSE Initiative;MBSE Patterns;Requirements;Resilient Systems;Risk Management;System Safety (Emerging);Systems Security Engineering;	Working Group
Product Line Engineering WG - Open Workshop	13:00	14:00	Salon B	Open/Working session	Increasing awareness of Product Line Engineering methodologies and resources. Collection of community needs to inform our work products roadmap.	Product Lines;	Working Group
SysML v2 Submission Approach	13:00	16:00	Pier 9+11	Open/Working session	This meeting is intended for representatives of the SysML v2 Submission Team to present an overview of the SysML v2 approach and progress.	MBSE Initiative;#MBSE	Working Group
Telecommunications Working Group	13:00	16:00	Suite 536	Open/Working session	Content and event planning for 2020	Complex Systems;Critical Infrastructure Protection and Recovery;Oil and Gas;Telecommunications;Transportation;	Working Group
ASME Plant System Design Standard	13:30	15:00	Bungalow	Open/Working session	Come participate in developing the new ASME Plant System Design standard described at this morning's Town Hall. This effort will incorporate Systems Engineering principles into the design and development of Oil & Gas, Petrochemical, Nuclear, Power generation and other major Infrastructure Facilities.	INCOSE-ASME Collaboration;	Working Group
Requirement Working Group Open Meeting Sunday	13:30	17:00	Salon A	Open/Working session	RWG Special topic session	Requirements;#MBSE	Working Group
Tech Ops Standards 2020 Planning	13:30	15:30	Salon G	Open/Working session	Discuss 2020 Goals, Opportunities, & Budget Status of ongoing standards projects	Standards	Working Group
Human Systems Integration	14:00	16:00	Salon B	Open/Working session	Review (Cont.) of the new HSI chapter for the next SE Handbook and planning of new HSI workshops and HSI2021 conference	Human Systems Integration;	Working Group
Marcom	15:00	17:00	Pier 3	Closed			Business Meeting
Measurement Working Group 2020 Planning Meeting	15:00	17:00	Bungalow	Open/Working session	Measurement working group meeting to plan 2020 working group activities; Welcome requests from other working groups for support.	Measurement WG	Working Group
Systems Engineering Quality Management	15:00	17:00	Salon F	Open/Working session	Review work effort from 2019 Monthly meetings and plan for 2020 presentations and book	Systems Engineering Quality Management;	Working Group
Climate and patterns	15:30	17:00	Suite 527	Open/Working session	Patterns, visualizing functionality, and spatial abilities	Natural Systems;Social Systems;	Working Group
MBSE Patterns Working Group Meetings	15:30	17:00	Salon G	Open/Working session	Two meetings by INCOSE MBSE Patterns WG at IW2019. Agenda posting will be on meeting web site shown.	MBSE Patterns; #MBSE	Working Group
Monday							
Events core planning committee	07:00	08:00	Suite 532	Closed	Operations coordination		Business Meeting
Systems Thinking Round Table	07:00	08:00	Pier 2+4	Open/Working session		Systems Science;	Working Group
Events - IS2021 Meeting	08:00	09:00	Suite 532	Closed			Business Meeting
Smart SEs for Smart Cities – A Call to Action	08:00	08:30	Salon D	Open	INCOSE is in a unique position to support our communities. Smart Cities initiatives are popping up across the world, many in our back yards. Each has its own application of a technology, process, or connected-ness. The Smart Cities concept is unwieldy; you may even call it "Wicked." And our cities large and small across the globe are working hard to keep up with available technologies. INCOSE, with our knowledge, working groups, experience, and systems engineering skill sets are uniquely positioned to support and inform this development. Therefore, INCOSE is kicking off the Smart Cities initiative. To find out how you can contribute to taming this Wicked problem... join us to learn how you can contribute to our Smart Cities initiative.	Townhall	Plenary
Leading the Transformation of Model-Based Engineering	08:30	09:00	Salon D	Open	Leaders transforming their organization to be more model-based engineering (MBE) capable must make sense of jargon and many ideas before setting targets with their stakeholders. They would like to provide enough model-based capabilities to get their job done and phase it in to minimize disruption. The INCOSE Model-Based Capabilities Matrix and User's Guide characterizes the model-based capabilities needed as an enhanced set of stages that enables self-assessments and then plans evolution. The recently published INCOSE Matrix and User's Guide, have resulted from two years of continuous use and refinement across INCOSE peers. The Matrix and User's Guide information presented familiarizes their use while a workshop provides the opportunity to gain experience applying them.	Townhall	Plenary
Budget & Planning	09:00	10:00	Suite 536	Closed			Business Meeting
CIPR Working Group members meeting	09:00	11:30	Pier 1	Open/Outreach session	-Recap of 2019 activities -Membership list and updates -Introduction of incoming WG chairperson -Increasing international participation	Critical Infrastructure Protection and Recovery;	Working Group
Competency Assessment Guide Development	09:00	16:30	Pier 7	Open/Working session	Working meeting to develop the ISECF Competency Assessment Guide.	Competency;	Working Group
Configuration Management Working Session	09:00	12:00	Pier 8	Open/Working session	Working and Planning Session Three Main Work-streams to progress 1) Taxonomy Glossary development, SEBoK and Handbook input 2) CM within Digital Twin (with MBSE and DEIX) 3) CM Research and PhD support	Configuration Management;	Working Group

Horizon Scanning network	09:00	12:00	Pier 10	Closed	This first meeting of the INCOSE Horizon Scanning network will be a forum for invited organizations to share their systems engineering Horizon scans. We apologize, this initial meeting is open to invited members only.	FuSE	Working Group
MBX Ecosystems/OpenMBEE Workshop	09:00	17:00	Salon E	Open/Working session	This workshop Day1 Mon expands upon the model-based ecosystems sessions we held at IW15, IW17, IW18, and IW19. The main organizers are Bjorn Cole (Lockheed)Chris Delp (NASA/JPL), Brittany Friedland (Boeing), and Russell Peak (Georgia Tech - POC). This year we include a panel session, a poster session, and focus areas for various modeling environment stakeholder communities, including end users, deployment/ops, ecosystem SEs/architects, and ecosystem tool developers. See the IW20 website for the overall agenda, and the following website for agenda specifics and proceedings: https://www.omgwiki.org/MBSE/doku.php?id=mbse:ecosystems	MBSE Initiative;#MBSE	Working Group
NAFEMS-INCOSE Systems Modeling and Simulation WG	09:00	12:00	Pier 9+11	Open/Working session	Annual face-to-face meeting of joint NAFEMS-INCOSE Systems Modeling and Simulation WG. Remote attendance options also provided for larger SMSWG membership.	INCOSE-NAFEMS Collaboration;#MBSE	Working Group
PM-SE Integration	09:00	12:00	Pier 5	Open/Working session	Overview of the PM-SE Integration WG / Welcome to new members Presentation of the existing initiatives : - Project Breakdown Structures (PjBS) - Strategic Technical Planning (STP) - SE Application Needs of Agile Best Practices - Others if any.. Overview of PMBoK V7 by PMI with Q&A MBSE Approach for PM-SE Integration Outcome of PM-SE WG at ASEW Synthesis / Next Steps	PM-SE Integration;	Working Group
SE Tools Database	09:00	17:00	Suite 529	Closed	Working meeting to evaluate prototype user feedback, create JIRA user stories to modify the CapSyRS and use cases, and production development planning including V&V.	SETDB; #MBSE	Working Group
SE Vision 2035 Core Team Meeting	09:00	15:30	Bungalow	Closed	The objectives are: • Identify initial scope of changes to SE Vision 2035 • Identify critical factors to more effectively realize the Vision (Vision exposure, INCOSE alignment, ..) • Review SE Vision 2035 plan, approach, and expectations	This is a new initiative	Working Group
Social Systems WG: Planning Annual Cycle	09:00	10:30	Suite 527	Open/Working session	We will discuss practical formats and logistics for the SocWG in 2020. This outcome for this session will outline the format of the schedule for the SocWG in 2020; e.g. webinars, meetings, etc.	Social Systems;	Working Group
Systems Engineering Quality Management	09:00	12:00	Salon G	Open/Working session	Review work effort from 2019 Monthly meetings and plan for 2020 presentations and book	Systems Engineering Quality Management;	Working Group
Systems Science Working Group	09:00	17:00	Pier 2+4	Open/Working session	Research presentations and discussions on systems science and its relationship to systems engineering. Building alignment and shared vision with other working groups. Outreach to both the academic and practitioner community.	Systems Science;#MBSE	Working Group
Systems Security WG INSIGHT Articles Review	09:00	17:00	Salon H	Open/Working session	Review ~10 articles for INSIGHT Sept 2020 Theme: Systems Security and Product Line Engineering.	Systems Security Engineering;#MBSE	Working Group
Creating your Chapter strategic and operating plans	10:00	12:00	Salon B	Open/Working session		Chapters	Business Meeting
Guide to Develop and Management Requirement working meeting	10:00	13:30	Salon A	Open/Working session	Review and update Guide GDMR	Requirements;#MBSE	Working Group
IS2020 Technical review	10:00	16:30	Pier 6	Closed	Finalization of IS2020 reviews and draft program		Business Meeting
New ASME-INCOSE Working Group	10:00	11:00	Suite 532	Open/Working session	This meeting will discuss the path to establishing a new INCOSE working group that will work on the new ASME Plant System Design standard. This meeting will include ASME PSD, INCOSE TechOps leadership and INCOSE members seeking a leadership role in the working group.	INCOSE-ASME Collaboration;	Working Group
Resilient Hospitals Project Outreach	10:00	12:00	Salon F	Open/Outreach session	This session will provide an overview of the Resilient Hospitals Reference Model Project, and a summary of our results to date. This is multi-organization project with contributors from INCOSE, IEEE, InfraGard and the Society for Disaster Medicine and Public Health.	Critical Infrastructure Protection and Recovery;Object-Oriented SE Method;	Working Group
Soft Skills Working Group	10:00	12:00	Suite 536	Open/Working session	This is a "kick off" meeting for this Working Group as it will be the first session and IW. The goal is to: - Share the mission and charter - Share the progress of the WG to date - Increase awareness of the efforts of this WG - Recruit people that are interested in participating this WG	Soft Skills;	Working Group
Fellows Meeting	10:30	12:00	Pier 3	Closed			Business Meeting
Marcom	10:30	15:00	Suite 527	Closed			Business Meeting
Training Working Group	10:30	11:30	Salon C	Open/Working session	Our goal is to implement our approach of members training members and recruit presenters to present topics of interest to INCOSE members.	Training;#MBSE	Working Group
Academic Council	13:00	16:30	Pier 5	Open			Business Meeting
Architecture Working Group - Project updates and EA Workshop	13:00	17:00	Pier 3	Open/Working session	Part 1: Update INCOSE members on current AWG project involvement in developing International Standards. Part 2: Launch the INCOSE led update for the white paper A Common Perspective on Enterprise Architecture published by the Federation of Enterprise Architecture Professional Organizations (FEAPO) with INCSOE participation in the summer of 2014. The practice of EA continues to evolve and INCOSE agreed at IS'19 to lead the effort of FAPO members to update the paper.	Architecture;#MBSE	Working Group
Chapter Leader training	13:00	15:00	Salon B	Open/Working session		Chapter Leaders	Business Meeting
CIPR Working Group members meeting	13:00	16:00	Pier 1	Open/Working session	-Collaboration with other INCOSE WGs (e.g., Telecom, Power & Energy, Infrastructure) -Plans for 2020 (events, products, services, outreach)	Critical Infrastructure Protection and Recovery;	Working Group
Complex Systems Working Group	13:00	16:00	Salon C	Open/Working session	Schedule meeting to accomplish following: Radar Chart to consider complex systems characteristics Modeling tools for complexity Complexity Management Complexity Levels (Structural, Behavioral, Functional)	Complex Systems;	Working Group
INCOSE Institute for Technical Leadership	13:00	15:00	Pier 9	Closed	General Strategy Meeting for all members of TLI.	Competency;Business Meeting;Technical Leadership	Business Meeting

Insight LDSE Theme Issue Editors Meeting	13:00	17:00	Suite 532	Closed		Agile Systems and Systems Engineering; INC OSE SEH v5; Life Cycle Management; Loss-Driven SE Initiative; MBSE Initiative; MBSE Patterns; Resilient Systems; Risk Management; System Safety (Emerging); Systems Engineering Quality Management; Systems Security Engineering;	Working Group
MBSE for PDES and LOTAR for MBSE	13:00	17:00	Salon F	Open/Working session	Discussion of progress and activities to transform STEP and LOTAR data exchange and data management standards to MBSE artifacts and long term data exchange.	Tools Integration & Model Lifecycle Management; #MBSE	Working Group
Small Business Systems Engineering (SBSE) WG (formerly the VSE WG)	13:00	15:00	Pier 11	Open/Working session	During this session we will review the assembled Teaching Kits based on the information presented at our Saturday Session. We will discuss the Basic Profile Deployment Packages (DPs) other INCOSE WG review comments. Discuss the way forward to develop Intermediate Profile Deployment Packages (DPs). The SBSE leadership team will guide the group on outreach to other organizations and presentations at conferences. Finally, we will work up the accomplishments for IW2020 and do some future planning.	Small Business Systems Engineering;	Working Group
System Safety WG - Meeting 2	13:00	15:00	Hideaway	Open/Working session	The first of two meetings looking at: * C Suite Guide * System safety perspectives paper * Working group planing	System Safety (Emerging);	Working Group
Empowering Women Leaders Working Session	13:30	15:00	Salon G	Open/Working session	In our working meeting, Empowering Women Leaders will focus on initiatives that are underway for 2020 such as defining the next steps to support society-wide mentoring, developing an initial draft of chapters for a book publication on emerging trends in systems engineering leadership, and creating an engaging presentation for international events. All interested are welcome.	Empowering Women;	Working Group
Guide to Verification and Validation working meeting	13:30	17:00	Salon A	Open/Working session	work on the Guide to Verification and Validation	Requirements; #MBSE	Working Group
Transportation Working Group	13:30	15:00	Pier 8	Open/Working session	Planning and Working Session SE as applied to Major Infrastructure Projects - what has been working? Transportation and Smart Cities Initiative - coordination Planning for IS2020	Transportation;	Working Group
IT Strategy Meeting	14:30	16:00	Pier 10	Closed			Business Meeting
DEIXWG Planning Session	15:00	17:00	Salon B	Open/Working session	Support the development of Digital Views in support of the Digital Engineering Information Exchange Challenge.	Architecture; Configuration Management; Digital Engineering Information Exchange; Infrastructure; Knowledge Management & Ontologies; MBSE Patterns; PM-SE Integration; Process Improvement; Tools Integration & Model Lifecycle Management; #MBSE	Working Group
MBX Ecosystems/OpenMBEE Workshop - Poster Session	15:00	16:00	Salon E	Open/Working session	This is a poster session on Mon Day1 for tool/service vendors to showcase their OpenMBEE-related technologies (see description for the main MBX Ecosystems/OpenMBEE session occurring on Mon 8:00-17:00). See the IW20 website for the overall agenda, and the following website for agenda specifics and proceedings: https://www.omgwiki.org/MBSE/doku.php?id=mbse:ecosystems	MBSE Initiative; #MBSE	Working Group
Asia Oceania Sector Directors meeting	15:30	17:00	Pier 9	Open			Business Meeting
Empowering Women Leaders Outreach Session	15:30	17:00	Salon G	Open/Outreach session	Please join the Empowering Women Leaders for an open interactive outreach session addressing negotiation and influencing skills for systems engineers, technical leads, and project managers. The session will kick off with an ice breaker where attendees will share a negotiation experience, followed by guidance and tips on negotiating and influencing. Attendees will discuss several related case scenarios in small groups, brainstorming approaches for resolving the situations using negotiating and influencing skills. The session will end with shared take-aways and intended next steps. Attendees will be provided a list of helpful resources and be asked to fill out a short survey on the learning experience. After a short break, a small EWLSE reception will follow from 5:15-6:45pm.	Empowering Women;	Working Group
INCOSE SE Handbook Input and Coordination Session	15:30	17:00	Suite 527	Open/Working session	This session is for WGs, individuals, and any other groups to meet with the handbook editors. Stop in anytime. Contact the Lead Editor Dave Walden if a specific time slot is desired.	INCOSE SEH v5;	Working Group
Infrastructure Working Group Strategy Meeting	15:30	17:00	Bungalow	Open/Outreach session	Strategy Discussions for 2020. KPIs Identification. Outreach to other working groups including TWG and AWG	Infrastructure;	Working Group
Nominations & Elections	15:30	17:00	Suite 536	Closed	Routine NOMELEC meeting, first under new chair Bob Kenley	Admin/Committee meeting; Nomination	Business Meeting
Sector I Leaders meeting	15:30	17:30	Salon D	Open/Working session		Chapters	Business Meeting
Small Business Systems Engineering (SBSE) WG (formerly the VSE WG)	15:30	17:00	Pier 11	Open/Working session	During this session we will review the assembled Teaching Kits based on the information presented at our Saturday Session. We will discuss the Basic Profile Deployment Packages (DPs) other INCOSE WG review comments. Discuss the way forward to develop Intermediate Profile Deployment Packages (DPs). The SBSE leadership team will guide the group on outreach to other organizations and presentations at conferences. Finally, we will work up the accomplishments for IW2020 and do some future planning.	Small Business Systems Engineering;	Working Group
Systems of Systems WG	15:30	17:00	Hideaway	Open/Working session	SOS Business Meeting and update on activities - led by Dahmann/Harding	System of Systems;	Working Group
TLI - Cohort 4 Sync	15:30	17:00	Pier 8	Open/Working session	Build final semester of TLI Cohort. Determine next steps for work products created	Institute for Technical Leadership	Working Group

Tuesday

Systems Thinking Round Table	07:00	08:00	Pier 2+4	Open/Working session			Systems Science; Working Group
Analytic Enablers WG Tag-up	08:00	09:00	Pier 7	Open/Working session	Review WG activities at IW and identify opportunities for collaboration.		Competency;Com Working Group plex Systems;Decision Analysis;Human Systems Integration;Natur al Systems;Product Lines;Resilient Systems;Social Systems;System of Systems;System Safety (Emerging);Syste ms Engineering Case Study;Systems Security Engineering;Trai ning;
Automotive Working Group Introduction and Planning Session	08:00	09:30	Suite 510	Open/Working session	Introduction to the Automotive Working Group (Mission and Objectives), summary of 2019 accomplishments, plans for 2020. I would prefer to meet on Monday morning, if a room becomes available. Thanks.	Automotive;	Working Group
Best Practices for planning and Executing a Web meeting	08:00	10:00	Pier 8	Open/Working session	Sharing best practices for web meeting	Chapters	Business Meeting
INCOSE Certification knowledge exam	08:00	11:00	Salon D	Open/Outreach session	INCOSE Certification Knowledge Exam open to all conference attendees with prior registration.		Business Meeting
INCOSE Knowledge Exam Item Development	08:00	15:00	Suite 527	Open/Working session	Current ASEPs, CSEPs, and ESEPs are invited to help review questions for use on future knowledge exams. We need at least 5 volunteers to review each question. Participants will sign non-disclosure agreements and must not teach exam prep for two years. Please join for a minimum of 2 hours. Bring your own copy of the INCOSE SE handbook version 4, either paper or electronic. Walk-ins welcome!	Certification	Working Group
Infrastructure Working Group Strategy Meeting	08:00	09:30	Pier 9	Open/Working session	Finalize Strategy and Quad Chart	Infrastructure;	Working Group
Invited Content for IS2020	08:00	09:00	Pier 6	Closed			Business Meeting
Marcocom	08:00	10:00	Suite 529	Closed			Business Meeting
MBX Ecosystems/OpenMBEE Workshop	08:00	15:00	Salon E	Open/Working session	This Tue Day2 event continues the Ecosystems/OpenMBEE Workshop (see overall description in the main session occurring on Mon Day1). See the IW20 website for the overall agenda, and the following website for agenda specifics and proceedings: https://www.omgwiki.org/MBSE/doku.php?id=mbse:ecosystems	MBSE Initiative;#MBSE	Working Group
RWG Special Topic Sessions	08:00	13:30	Salon A	Open/Working session		Requirements;# MBSE	Working Group
SaSIWG Review and Planning Meeting	08:00	10:00	Pier 5	Open/Working session	The Systems and Software Interface working group (SaSIWG) will be meeting discuss last year and plans for 2020	SaSIWG	Working Group
SE Handbook Editor Meeting	08:00	12:00	Suite 532	Closed	Coordination meeting of the handbook editors.	INCOSE SEH v5;	Working Group
SE in Early Stage Research & Development Working Group - Status Update	08:00	09:30	Salon G	Open/Working session	Provide a status update to INCOSE members on the formation of the new SE in Early Stage Research & Development Working Group.	SE in Early Stage R&D	Working Group
Smart Cities Initiative	08:00	09:30	Pier 11	Open/Working session	Identify goals for the year and assign tasks.	Smart Cities Initiative;	Working Group
Systems of Systems WG	08:00	09:30	Salon C	Open/Working session	SOSWG working session - SOS Case Studies led by Wilson/Hoehne	System of Systems;	Working Group
Systems Science Working Group	08:00	15:00	Pier 2+4	Open/Working session	Research presentations and discussions on systems science and its relationship to systems engineering. Building alignment and shared vision with other working groups. Outreach to both the academic and practitioner community.	Systems Science;#MBSE	Working Group
TLI Strategy Session	08:00	12:00	Suite 536	Closed	Develop a strategic plan for the INCOSE Technical Leadership Institute with a vision, mission, strategic goals, value proposition, and systemic measures of success.	Business Meeting;	Working Group
SETDB Planning for Product Release	08:30	12:00	Pier 10	Open/Outreach session	Workshop analysis and planning for product release at IS 2020	SETDB Program; #MBSE	Working Group
Competency Assessment Guide Development	09:00	12:00	Pier 7	Open/Working session	Working meeting to develop the ISECF Competency Assessment Guide.	Competency;	Working Group
MBSE Patterns Working Group Meetings	09:00	12:00	Salon F	Open/Working session	Two meetings by INCOSE MBSE Patterns WG at IW2019. Agenda posting will be on meeting web site shown.	MBSE Patterns; #MBSE	Working Group
Policy Management Committee	09:00	12:00	Pier 1	Closed			Business Meeting
Social System WG Wrap-up Session	09:00	10:00	Hideaway	Open/Working session	We will have representatives from the Open Space groups present their outcomes. We will also present the Quad Chart. This session will provide input to the session: Tues, 28 Jan: 10:00-12:00 SocWG: Project development.	Social Systems;	Working Group
Chapter Web Page Tutorial	10:00	12:00	Pier 8	Open/Outreach session		IT; Chapters	Business Meeting
Content Development	10:00	12:00	Hideaway	Open/Working session	Planning for 2020 combined working group content development projects	Natural Systems;Social Systems;	Working Group
Detroit SE Seminar Prep	10:00	12:00	Suite 529	Open/Working session	Develop momentum and concrete plans towards a Systems Engineering seminar, with a target date of 19-May in the Detroit, MI area	Automotive;Defe nse Systems;Healthc are;	Working Group
ESWG working session	10:00	12:00	Pier 5	Open/Working session		Enterprise Systems;	Working Group
INCOSE Model-Based Capabilities Matrix Workshop	10:00	12:00	Pier 3	Open/Working session	The Model-Based Capabilities Matrix Workshop provides attendees familiarity with the recently published INCOSE Matrix and User's Guide. It provides two scenarios; one government and one commercial, for attendees to choose to work with colleagues. Outbriefs provide an opportunity to benchmark and dialog.	MBSE Initiative;#MBSE	Working Group
IS2020 Technical review	10:00	14:00	Pier 6	Closed	Finalization of IS2020 reviews and draft program		Business Meeting
IV&V Working Group Discussions and Actions.	10:00	12:00	Pier 11	Open/Working session	Address SE Handbook update, two guidebooks, CAB request on IV&V, and integration practices and issues and set actions for working group.	Integration, Verification & Validation (emerging);#MB SE	Working Group
Knowledge Management and Ontologies WG	10:00	15:00	Pier 9	Open/Working session	Knowledge Management and Ontologies WG - primer working session	Knowledge Management & Ontologies;#MBS E	Working Group
Product Line Engineering - Member Working Meeting	10:00	11:00	Salon C	Open/Working session	Working meeting to plan and evolve working products and promote the understanding and adoption of Product Line Engineering.	Product Lines;	Working Group
Production and Logistics Systems Modeling Meeting	10:00	14:00	Bungalow	Open/Working session	Open working meeting of the production and logistics modeling challenge team, a part of MBSE transformation. The meeting will present work from the past year and discuss a roadmap for the upcoming year.	Production and Logistics Systems Modeling; #MBSE	Working Group
SEEE Kickoff	10:00	12:00	Salon G	Open/Working session	SEEE (Systems Engineering Education Ecosystem) is the next-generation GRCE. The meeting will be the kick-off for establishing this new academic Council project	Academic	Working Group

DEIXWG Planning Session	11:00	15:00	Salon H	Open/Working session	Support the development of Digital Views in support of the Digital Engineering Information Exchange Challenge.	Architecture;Conf igation Management;Digital Engineering Information Exchange;Infrastructure;Knowledge Management & Ontologies;MBSE Patterns;PM-SE Integration;Process Improvement;Tools Integration & Model Lifecycle Management;#MBSE	
Marcom A Model(s)-Based Approach to PM-SE Integration	12:00 13:00	15:00 14:00	Suite 529 Hideaway	Closed Open/Working session	PM-SE WG sponsored session on Model(s) Based PM-SE Integration <ul style="list-style-type: none"> • Part A (30 minss): Webinar: Detailed description of the method and Demo of Prototype 30 minutes (this would also ideally show up in the IW 2020 program schedule) • Part B (30 mins.): Validation: Round table discussion of validity of the approach to industrial applications. Output a list of pros & cons and WG members interested will fill a survey 60 minutes. (this would also ideally show up in the IW 2020 program schedule) 	MBSE Initiative;PM-SE Integration;#MBSE	Business Meeting Working Group
ESWG working session	13:00	15:00	Pier 5	Open/Working session		Enterprise Systems;	Working Group
Planning and executing a great chapter meeting	13:00	15:00	Pier 7	Open/Working session		Chapters	Business Meeting
SocWG Project Development	13:00	14:00	Pier 10	Open/Working session	We will begin the session by having a presentation of a project as an example of a funded research project on systems engineering that involves social systems. Evelyn Honoré-Livermore from the Norwegian University of Science and Technology will discuss her PhD project as part of the research project MASSIVE, funded by the Research Council of Norway. MASSIVE is based on the mission of developing a SoS for coastal and maritime surveillance with an operational control center involving different cultures and system technologies. One of these systems is a university built CubeSat. Many university CubeSat projects suffer from overrun schedule and cost budgets, and struggle with the balance and management of individual research objectives, and project mission and engineering objectives. Understanding why and how this happens as well as how to develop the operational center to fulfill the MASSIVE mission can benefit from a sociotechnical viewpoint.	Natural Systems;Social Systems;	Working Group
Systems Engineering Principles Action Team	13:00	14:30	Suite 536	Open/Working session	Discuss SEBoK comments and possible publication of Systems Engineering Principles as a INCOSE Publication	Complex Systems;	Working Group
Systems of Systems WG	13:00	15:00	Salon C	Open/Working session	SOS Business Meeting and update on activities - led by Dahmann/Harding	System of Systems;	Working Group
TLI - Cohort 4 Sync	13:00	14:00	Salon B	Open/Working session	Opportunity for Cohort 4 and Cohort 5 to talk to help Cohort 5 with lessons learned.	Institute for Technical Leadership	Working Group
Vision 2035 Theoretical Foundations Work Session	13:00	15:00	Pier 3	Closed		Foundations	Working Group
DAWG Working Session	13:30	14:30	Suite 532	Open/Working session	Short meeting to review any progress that has been made and to plan for future products to develop	Decision Analysis;	Working Group
FuSE AI Team Meeting	13:30	15:00	Pier 8	Open/Working session	FuSE AI Team IW Continuation Meeting	FuSE	Working Group
RWG Closed Planning Session	13:30	15:00	Salon A	Open/Working session	RWG Discussion Wrap Up and Forward Year Planning	Requirements;#MBSE	Working Group
Training Partners with INCOSE	14:00	15:00	Pier 11	Open/Outreach session	The goal is to begin a discussion with training providers or those interested in providing training to determine what business model(s) will work for partnering with these individuals and organizations. The meeting will consist of a presentation of what types of skills and training formats INCOSE is interested in, followed by discussion of what trainers would be able to provide.	Education & Training	Working Group
Closing Plenary	15:00	16:00	Salon D	Open			Plenary
Wednesday							
Board of Directors Meeting	08:00	12:30	Pier 5	Closed			Business Meeting