



Risk Management WG

Three Meetings During IW2025



Sat Feb 1st



Sun Feb 2nd



Mon Feb 3rd

ATTEND VIRTUALLY: These 3 meetings are available to Risk Management WG members & guests by Zoom at **NO COST**. Details below.

Presentation: “Integrated Risk Management for Systems Engineering”

Saturday February 1, 2025

10:00 am – 11:00 pm EST (USA/Canada) | 4:00 pm – 5:00 pm CET (Seville, Spain)

7 am PST, 8 am MST, 9 am CST, 3 pm GMT, 8:30 pm IST, 11 pm GST, 12 am JST (2 Feb), 1 am AEST (2 Feb)

Presentation Description: Risk management is one of 31 system life cycle processes defined in the 5th edition of the *INCOSE Systems Engineering (SE) Handbook*, and in corresponding international standard ISO/IEC/IEEE 15288:2023, “*Systems and software engineering – System life cycle processes.*” In recent years, with the emergence of international standard ISO 31000, “*Risk management – Guidelines,*” a more holistic and overarching “systems” approach to risk management has become well defined and globally accepted by organizations and risk management practitioners across all industries and disciplines. ISO 31000:2018, which was reaffirmed without changes in 2023, establishes universal principles and guidelines for establishing frameworks and processes for risk management in organizations, projects, and programs of all sizes and types. The risk management content in the most recent versions of the *INCOSE SE Handbook* and ISO/IEC/IEEE 15288 have been updated to harmonize with latest version of ISO 31000, and to reflect updates to international standard ISO/IEC/IEEE 16085, “*Systems and software engineering – System life cycle processes – Risk management,*” which was updated (in 2021) to be consistent with the principles and practices defined in ISO 31000:2018, and to serve as a fully recognized elaboration standard for ISO/IEC/IEEE 15288. In this 60-minute hybrid (virtual + in-person) IW2025 session attendees will be provided with a brief but comprehensive overview of how risk management can be integrated into systems engineering projects and programs in a manner consistent with the *INCOSE SE Handbook*, and the above-mentioned international standards. The presentation, prepared by INCOSE Risk Management WG co-chairs who served as *INCOSE SE Handbook* authors and ISO/IEC standards committee members, will be followed by a 10-15 minute Q&A.

**ADD TO
CALENDAR**

As an INCOSE member or guest you may attend this IW2025 meeting **AT NO COST** by clicking the GREEN button (at left) to load the Zoom “Add to Calendar” ics meeting file (containing the Zoom “Join Meeting” link) onto your calendar. If this does not work on your device, use the Zoom “Join Meeting” link posted at www.incose.org/risk-management. **You may also attend this meeting (and many others) by registering for the full INCOSE IW2025 event. See IW2025 information and link at the bottom of this page.**

Risk Management WG Information & Future Planning Session

Sunday February 2, 2025

8:30 am – 11:00 am EST (USA/Canada) | 2:30 pm – 4:00 pm CET (Seville, Spain)

5:30 am PST, 6:30 am MST, 7:30 am CST, 1:30 pm GMT, 7 pm IST, 9:30 pm GST, 10:30 pm JST, 11:30 pm AEST

Overview: This session will include presentations and discussion regarding Risk Management WG strategy and activity planning. We would like your input on future areas to pursue. The agenda (at left) includes review of work to date, and evaluation of key areas to target in 2025 and beyond, including soliciting support for these efforts. This session is open to all, including members of other WGs, as strategize and synergize risk management-related activities across WGs and SE life cycle processes.

Agenda:

- 2:30pm CET (8:30am EST)** -- Review WG Charter & current work.
- 3:00pm CET (9:00am EST)** -- Brainstorm future concepts for the WG to pursue and note proposals from attendees.
- 3:30-4:00pm CET (9:30-10:00am EST)** – In-person attendees (Seville, Spain) on IW2025 in-person venue Networking Break may choose to stay in the meeting. Virtual attendees may stay online for Virtual Networking.

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RMWG - 1-3Feb2025 IW2025 Mtgs - 30Jan2025, Flyer v2



ATTEND FULL 4-DAY IW EVENT
VIEW PRICING – Starting at \$150 US

INCOSE IW2025
Sat-Tues, Feb 1-4, 2025



Open Forum on Complex Adaptive Systems (CAS)

Monday February 3, 2025

9:30 am – 12:00 pm EST (USA/Canada) | 3:30 pm – 6:00 pm CET (Seville, Spain)

6:30 am PST, 7:30 am MST, 8:30 am CST, 2:30 pm GMT, 8 pm IST, 10:30 pm SGT, 11:30 pm JST, 12:30 am AEST (4 Feb)

Overview: This session brings together practitioners and researchers with diverse backgrounds and from 10+ INCOSE WGs to exchange knowledge, information, and real-world examples related to Complex Adaptive Systems (CAS). It includes presentations and lightning talks, and attendee engagement through Q&A and an interactive panel. It opens with a ½ hour virtual Meet & Greet that coincides with the Networking Break at the IW2025 in Seville, Spain. There is content for attendees of all levels of CAS familiarity, and active WG members will learn about WG collaboration opportunities, including an INCOSE Multi-WG Workshop & Panel on Transdisciplinary Solutions at the CAS2025 Conference.

ADD TO CALENDAR

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SAWG 3Feb2025 Multi-WG Mtg - jstein30Jan2025, Flyer v1

Session Agenda:

- 1 Networking and Virtual (Zoom) Meet & Greet: 30 minutes (3:30-4:00pm CET, 9:30-10:00am EST)
- 2 Featured Presentations and Panelist “Lightning” Talks: (not listed in final order, subject to change)
 - **Briefing on Complex Adaptive Systems (CAS) Conference, CAS2025 Program, and MIT Campus Conference Venue, Dr. Cihan Dagli** (CAS Conference Founder; Professor of Engineering Management and Systems Engineering, Missouri S&T Intelligent Systems Center; Director, INCOSE Midwest Gateway Chapter), **Dr. Haifeng Zhu** (The Boeing Co.; Co-Chair, CAS Conf; Chair, INCOSE Systems Adaptability WG); **Dr. Bryan Moser** (CAS2025 Conf. Co-Chair; Academic Dir. & Sr. Lecturer, MIT SDM; INCOSE MIT CAB Rep)
 - **Climate Change as a Complex Adaptive System, Wei-Jen Lee**, Professor, University of Texas at Arlington; IEEE Fellow; Invited Guest Speaker of the INCOSE Systems Adaptability WG.
 - **Power Grid Infrastructure Resiliency and Adaptability Using Microgrid Systems, John Juhasz**; President, Telepath Systems; Co-Chair, INCOSE Critical Infrastructure and Recovery (CIPR) WG; Chair, INCOSE Power & Energy Systems WG; Past-President, INCOSE Cleveland Northern-Ohio Chapter.
 - **How System Dynamics Can Support System Adaptability, Ivan W. Taylor**; President & Researcher of System Dynamics, Policy Dynamics Inc.; Member, INCOSE Natural Systems and Social Systems WGs; Past-Director (Membership, Secretary, and Treasurer), INCOSE Canada Chapter.
 - **Adaptations in Mission Systems, Paul Hershey**; Principal Fellow, Raytheon Technologies; and IEEE Fellow; Invited Guest Speaker of INCOSE Systems Adaptability WG.
 - **Adaptability as a Risk Mitigation Method, Jack Stein**; Co-Chair, INCOSE Risk Management WG
 - **CubeSat System Reference Model (CSRМ) and Adaptability, David Kaslow**; DEKaslow Consulting, LLC; Co-Chair, INCOSE Space Systems WG.
 - **IEEE Smart Cities Standard’s Usage of System Adaptability, Ray Barton**, VP/CTO Enercom Canada; Co-Chair, INCOSE System Adaptability WG, Past-President, INCOSE Canada Chapter.
- 3 Open Discussion / Format: Interactive Panel (Presenters + Lightning Talks + Attendees) – 30 minutes

REGISTRATION NOW OPEN

LEARN MORE

ATTEND FULL CONFERENCE



Complex Adaptive Systems Conference (CAS 2025)



INCOSE IW2025

MIT Campus, Cambridge, MA, USA – March 5-7, 2025

Sat-Tues, Feb 1-4, 2025

Conference Website: <https://sites.mit.edu/cas2025/>

VIRTUAL PRICING – Starting at \$150 US