

INCOSE Risk Management WG Meeting

Tues October 8, 2024

2:00 – 3:30 pm EDT

(11am PDT, 12pm MDT, 1pm CDT, 7pm BST, 8pm CEST, 2am SGT Oct 9th)

Meeting Topic: **Architecture Optimization & Risk Management**

Lecture Title: *“Architecture Optimization for Sustainability”*

Guest Speaker:

Dr. Haifeng Zhu, The Boeing Company

Distinguished IEEE Lecturer

Chair, INCOSE Adaptive Systems WG

Risk WG Website: <https://www.incose.org/risk-management>

REGISTER

Attending the Risk Management WG meeting is FREE and open to all. However, registration is required to obtain the Zoom meeting Join and Add-to-Calendar links.

Abstract: IEEE Distinguished Lecturer Talk

Developing complex products have high risks of overrun costs and significant delays which is happening more and more today, especially in the aerospace industry. One of the causes is early-stage architecture design issues that result in a large amount of rework when facing changes in later stages that almost always happen in aerospace and defense domains. On the other hand, over design requires significant upfront costs that enterprises usually attempt to avoid. To mitigate such a risk, adaptable architecture development and sustainable trade study methods were developed. These are part of the major developed results in system adaptability area in recent years and are also being used in industry. The talk covers design examples such as HVAC (Heating, Ventilation and Air Conditioning) systems, brings you hands-on skills on architecture design risk mitigation and bridges the gap between system technical design and risk management, using system adaptability methodology.



Dr. Haifeng Zhu is currently with Boeing. He has extensive experience in multiple sectors in the manufacturing industry and has led or contributed to many projects. Haifeng is interested in advancing system knowledge and technologies for humanity. It is important to promote awareness of technologies' different effects and use technologies wisely to help human lives and society. He is also an advocator of engineer education, including promoting the awareness of the importance of education and course training to entry-level engineers and the correlations between quality education and the quality outcomes from work. He is also a warm-hearted volunteer for certain charity events and organizations, sometimes helping those using technologies. He devoted some of his time in helping cross-organizational public domain knowledge sharing and stimulating possible collaborations to better serve the local community.

NOTE: Dr. Zhu is General Co-Chair of the INCOSE Complex Adaptive Systems (CAS) Conference. CAS 2025 to be held at MIT next Spring, hosted by the INCOSE New England Chapter. After his talk Haifeng will provide an overview of the conference and answer questions about CAS topics and submitting abstracts to the conference. Practitioner-based CAS-related ideas, experience, and use cases, which do not necessarily need to be theoretical or equation/model-based, are welcome.

ANNOUNCEMENT:

Call for Papers – CAS 2025

Abstract Deadline: October 10, 2024

INCOSE Complex Adaptive Systems (CAS) Conference, MIT Campus, Cambridge, Massachusetts, USA – March 5-7, 2025

[Learn More](#) / [Submit Abstract](#)