

10th Annual Systems Engineering in Healthcare Conference

April 29th – May 1st, Minneapolis, MN

Call for Presentations, Panels & Tutorials

“Advancing the Practice of Systems Engineering in the Healthcare Industry”

The INCOSE Conference on Systems Engineering in Healthcare enables participants to share the best practices in the latest Systems Engineering topics for Medical Devices. Topics to be addressed include

- Requirements and Test Mgt
- Safety and Risk Management
- Machine Learning/AI
- “Beyond the System”
- Cybersecurity
- Fundamentals of SE (basics)
- Digital SE (MBSE, Simulation)
- Agile and Lean Methods

For this highly interactive conference, we seek practitioners to share their knowledge and experience through presentations and collaborative sessions. We encourage sessions focused on experience reports and case studies, since these were highly valued in previous conferences. Instructional tutorials are also welcome, which are better when they include examples that help the audience apply the learning to their context. Interactive panel sessions to explore a topic are also encouraged.

Our keynote speaker is Jim Peichel of Medtronic.



Jim Peichel, VP Cardiac Implantables Technology Development Center,
Medtronic Cardiac Rhythm Management



“Why Systems Engineering is Critical to the Future of Healthcare”

The invited speakers include:

- **Beyond the System:** David Long, INCOSE past President, Director for Strategic Integration and President, Blue Holon “Succeeding Beyond the System: Embracing the Socio and the Technical”
- **AI/ML:** Steve Zielinski, Vice President of Systems and Software Engineering at Future Cardia “Peering into the Crystal Ball: The Future of AI/ML in Healthcare Technologies”
- **Cyber Security:** Michelle Jump, CEO MedSec “Emerging Topics in CyberSecurity”
- **Digital SE:** Joseph Green, Distinguished Engineer and Technical Fellow | Chief Systems Engineer, Patient Care Systems and Software | Medtronic, “Engineering the Leap: Model Transformation as a Springboard to Digital Engineering”

**Working title*

Submissions are open in the Whova tool; [click here to submit](#).

One author per paper gets a discount on registration. In your submission, emphasize:

- A compelling description – Why would someone want to attend your session?
- Your target audience – Who should (or should not) attend?
- Key takeaway – What knowledge and wisdom will your audience gain?

Conference Website Link: <https://www.incose.org/hwg-conference/>

Submissions Due – Feb 16, 2025	Acceptance Notification – Feb 23
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INCOSE HWGSEC Benefits of Presenting

The INCOSE Systems Engineering in Healthcare Conference is a forum for sharing ideas with your colleagues. It is an 'intimate' conference with about 150 attendees and four meeting rooms...large enough to capture a good cross-section of companies yet small enough to meet the people you want to. The agenda is structured to give plenty of time for networking and informal sharing.

Presenters get several benefits:

- 50% off the already low attendance fees
- A chance to share your ideas in a friendly environment and get feedback on what has worked (or maybe more importantly what challenges were confronted) at other companies doing similar work
- Meeting colleagues with similar interest...as a presenter people from other companies you never knew will search you out in breaks to share insights

The committee structure has made the 'barrier to entry' relatively low. While we encourage submitting a story board/draft of your presentation (and those submissions will be given preference), we only require a short abstract to be considered.

Speaker Testimonials

As a speaker, I presented a System of Systems topic that was in early implementation at my company. My stated goal during the presentation was to bounce my ideas off those in attendance, and bounce it did! The audience was far more engaged in discussing these ideas and sharing experiences of their own than I ever imagined. I feel as though everyone in the room, myself included, walked away with fresh ideas on the subject. Normally my preference is to present a topic I've implemented and given plenty of road time. This experience convinced me that the conference can also be used as an ideation forum."

John R. Vantuno, ESEP, Delivery, Device, and Connected Solutions (DDCS)

The INCOSE Healthcare Working Group SE Conference is a great venue for exchange with the community on state-of-the-art methods, challenges, and opportunities. The targeted attendees are well-connected to the domain issues of the day, and the lively interactive atmosphere provides a stimulating environment that rewards the investment of time.

Bill Schindel, President ICTT System Sciences and INCOSE Fellow

Speaking at the Healthcare Working Group was very valuable. The attendees are exceptionally knowledgeable and include leading experts and influencers in the field. The conference's size makes it ideal for networking, and I have maintained contact with several people since the conference. In turn, this exposure has been key to my business growth.

Richard Matt, Aspen Medical Risk Consulting