

# INCOSE Risk Management WG Meeting

Tues November 12, 2024

2:00 – 3:00 pm EST

(11am PST, 12pm MST, 1pm CST, 7pm GMT, 8pm CET, 3am SGT Nov 13th)

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

## Presentation: **System Theoretic Process Analysis (STPA) Use with Risk Management**

Guest Speaker:

**Mark A. Vernacchia**, *The SSE Group, LLC*  
INCOSE ESEP, Licensed Professional Engineer (PE)  
Chair, SAE STPA Task Force

**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.*

### **Presentation Abstract:**

This presentation provides a summary of the STPA process and how it may be used within a Risk Management process. It discusses how STPA is used to identify potential safety critical hazards and how to develop STPA driven requirements to prevent or mitigate such hazards. A comparison of STPA with other methodologies such as FMEA and FTA is included. The presentation ends with a summary, followed by questions and answers.

**What is STPA?** – [MIT PSASS Website](#) / [STPA Handbook](#)



**Mark A. Vernacchia** is Principal and Co-Founder of The SSE Group, LLC, which provides consulting, educational, and instructional services in Systems Engineering, System Safety Engineering, and System Theoretic Process Analysis (STPA). Mark has been performing STPA evaluations for more than 8 years. He is a former Technical Fellow at General Motors Company where he was the Principal System Safety Engineer for GM propulsion systems worldwide. Mark received a Bachelor of Science degree in Mechanical Engineering (BSME) from Purdue University and a Master of Science degree in Engineering Sciences (MSES) from Rensselaer Polytechnic Institute (RPI). Mr. Vernacchia is a registered Professional Engineer in the State of Michigan, and is an INCOSE certified Expert Systems Engineering Professional (ESEP). Mark is the Chair of the SAE STPA Task Force developing recommended practices for STPA as well as the first STPA Standard for any industry.

J. Stein, INCOSE RMWG, 24Oct2024, Flyer v2

### **ANNOUNCEMENT 1:**

#### **Call for Abstracts – CAS 2025**

Abstracts for Papers: Due November 1, 2024

[Workshop/Tutorial Proposals](#): Due Nov. 15, 2024

#### **INCOSE Complex Adaptive Systems (CAS) Conference**

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

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

### **ANNOUNCEMENT 2:**

#### **Call for Abstracts – 2nd Annual MDSRM**

Abstract Deadline: November 15, 2024

#### **International Conference on Medical Device Safety Risk Management**

*The Grand Amsterdam Hotel (a 15th-Century Royal Palace), Amsterdam, the Netherlands – April 24-25, 2025*

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