Agile MBSE
Lunch and Learn Series
with
Bruce Powel Douglass, Ph.D.

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Agile Model-Based Systems Engineering Cookbook
Improve system development by applying proven recipes for effective agile systems engineering

Bruce Powel Douglass, Ph.D.

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Wed Jan 26, 2022
12:30 – 1:30 PM EST

Session 8
MBSE and Safety Analysis

Dr. Bruce Powel Douglass has deep and broad expertise from over 40 years experience, specializing in both model-based systems engineering and model-driven development for embedded software for safety-critical systems. He has developed systems in a number of subject domains including aerospace, defense, medical, automotive, and telecommunications. He is a coauthor of the UML and SysML standards and is the author of over 7000 book pages from a number of technical books including Agile Model-Based Systems Engineering Cookbook (2021), Agile Systems Engineering, The Harmony aMBSE Deskbook, Real-Time UML, Real-Time UML Workshop for Embedded Systems, Real-Time Design Patterns, Doing Hard Time, Real-Time Agility, and Design Patterns for Embedded Systems in C. He is formerly the Chief Evangelist at IBM and currently the Senior Principal Agile Systems Engineer at the MITRE Corporation. His web site www.bruce-douglass.com has free papers, presentations, forums and more.   *Flyer v1, 05Dec2021, J. Stein*

Session Description. Many systems have safety concerns that must be addressed. This session talks safety concerns and how these concerns can be modeled and analyzed in UML and SysML models, how such work products as fault tree analysis and hazard analysis can be created, and provides workflows to incorporate their development and use in the systems engineering process.

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