



Agile MBSE

Lunch and Learn Series

with

Bruce Powel Douglass, Ph.D.

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Wed Dec 15, 2021
12:30 – 1:30 PM EST

Session 6

From Systems to Downstream Engineering:

How to hand off systems models to software, electronics, and mechanical engineering.

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. This session focuses on a very common question: how do I take the systems engineering data held in models and effectively communicate that information to downstream implementation disciplines, such as software, electronics, and mechanical engineering? The talk provides a workflow and a definition of work products that effectively share systems engineering data in forms usable by downstream engineering with example model work products.



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