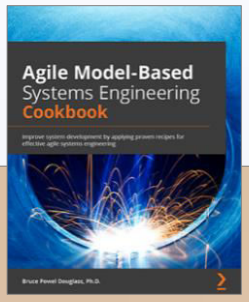

# Agile MBSE

## Lunch and Learn Series

with

## Bruce Powel Douglass, Ph.D.

*Win an autographed copy of Bruce's newly released* ***Agile MBSE Cookbook!***




INCOSE

**Mon Nov 22, 2021**
12:30 – 1:30 PM EDT

# Session 5

# Model Based Interface Control Documents (ICDs)

**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, 17Nov2021, J. Stein*

**Session Description.** The traditional approach for the specification of system interfaces is to have a junior engineer sit in the corner pounding away on a keyboard to create Interface Control Documents (ICDs), disconnected from the engineering data. In the era of Model Based Engineering, the models themselves, as the authoritative source of that engineering data, can contribute directly to the creation of the ICD, saving time and eliminating many common defects in ICDs. This talk discusses how to create, organize, and visualize this information in the model to generate ICDs from the models.

INCOSE

**REGISTER**

Smith+Nephew

MICHIGAN

HEARTLAND CHAPTER

CANADA

INCOSE CHICAGOLAND

THREE RIVERS

**Series Commercial Sponsor:** Smith & Nephew

**Organizing and Supporting INCOSE Chapters:** Much thanks to the Michigan, Heartland Chicagoland, Canada & Three Rivers Chapters