Please join us on the 3rd INCOSE/GfSE Webinar

When
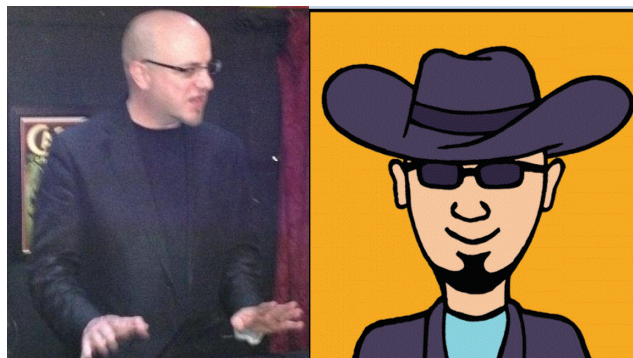Tuesday 30 November 2021 from 11:00am-12:00pm EST
(4:00pm-5:00pm UTC, 5:00pm – 6:00pm CET)

Topic
**Model-based Systems Engineering Demystified
The need for MBSE**

Speaker
Professor Jon Holt

Abstract

In this first of three webinar presentations, Jon will discuss the underlying reasons why MBSE is so important for any modern-day Systems Engineering project. He will provide an in-depth discussion on complexity and how it has not just increased but has evolved over the last few decades. Using a simple example, Jon will discuss four areas in which complexity has evolved, namely: system elements and their associated interfaces; system constraints; systems of systems; and how complexity has shifted.

As the complexity of these Systems evolves over time, so must the approaches that we apply to realize our Systems successfully. Based on this, Jon will discuss how there is nothing inherently wrong with a document-based approach to Systems Engineering, but based on the evolution of complexity, how we must ensure that our Systems Engineering practice and techniques must be up to the job of coping with this complexity.

Also, Jon will introduce the now-infamous Brontosaurus of Complexity that helps us to understand how complexity changes over the course of a project and he will conclude with an overview of his latest books that tackle this subject.
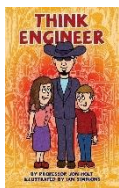
Take-Away Key Messages

- Areas of evolved complexity, systems of systems, system elements, their associated interfaces, and constraints
- The "Brontosaurus of Complexity" and how complexity feeds into evils
- How to ensure that Systems Engineering practice and techniques are up to the job coping with evolved complexity

Biography

Prof Jon Holt is an internationally recognized expert in the field of Model-based Systems Engineering (MBSE). He is an international award-winning author and public speaker and has authored 17 books on MBSE and its applications.

Since 2014 he has been a director and consultant for Scarecrow Consultants, who are outstanding in the field of MBSE. Jon is also a Professor of Systems Engineering at Cranfield University, where he is involved with the teaching of and research into MBSE. He is a Fellow of both the IET and the BCS and is a Chartered Engineer and Chartered IT Professional. He is currently the Technical Director of INCOSE UK where he is responsible for all technical activities and, in 2015, was identified as one of the 25 most-influential Systems Engineers in the last 25 years by INCOSE.

Jon is also actively involved in the promotion of Science Technology Engineering and Mathematics (STEM) where he uses magic, mind-reading, and occasional escapology to promote Systems Engineering at Music Festivals, Science Festivals, the IET Pythagorean Cabaret, radio shows and other STEM events. He has also authored the children's STEM book 'Think Engineer' which is published by INCOSE UK.

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After registering, you will receive a confirmation email containing information about joining the webinar.

You will also find a copy of the joining instructions on the INCOSE Connect website, at:
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Notice

Please note that you can now access the webinar using mobile devices. There are 500 virtual seats available for the webinar. Currently they are available on a first-

come, first-served basis.

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Please note you can now receive a PDU supporting certification renewal by attending an INCOSE technical webinar. Here is the link to details about certification renewal, including information on PDUs.

https://www.incose.org/systems-engineering-certification/certification-faqs

Regards,
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