Please join us on the next INCOSE Webinar

When

Wednesday 16 September 2020 from 11am-12pm EDT
(3pm – 4pm UTC)

Topic

Agility as a System

Speaker

Rick Dove

Abstract

Systems engineering is codified as a collection of interrelated life cycle processes. Agility in systems engineering is accomplished by explicit capabilities in these processes for situational awareness, learning, and agile life cycle management. Collectively isolated these capabilities could be called the Agility System; but it is known formally as the System of Innovation, as it delivers improved stakeholder value. In agile systems engineering the System of Innovation is embedded and distributed throughout the life cycle processes at relevant points. It functions as the learning and life cycle manager. Its core is the central Situational Awareness stage that triggers entry into all other stages in the Agile Systems Engineering Life Cycle Model. The Situational Awareness stage is also the stage that initiates a system project and initiates the selection or design of a suitable systems engineering approach. All systems engineering processes have at least a tacit System of Innovation. Agile software development processes begin to get explicit with periodic retrospectives on both process and product work-in-process outcomes, and with incremental experiment and learning loops. For mixed-discipline Systems Engineering projects we should identify what needs to be monitored and sensed to avoid undesirable outcomes, what response strategies are needed to address situational changes, and how coherent evolution in process and product will occur. And of course, where are these things done in the life cycle processes and by what agency? This webinar will explore general concepts and strategies in the System of Innovation for tailored application appropriate to a project context.

Biography

Rick Dove is a leading researcher, practitioner, and educator of fundamental principles for agile enterprise, agile systems, and agile systems engineering. In 1991 he initiated the global interest in agility as co-PI on the seminal 21st Century Manufacturing Enterprise Strategy project at Lehigh University. Subsequently he organized and led collaborative research at the DARPA-funded Agility Forum, involving 250 organizations and 1000 participants in workshop discovery of fundamental enabling principles for agile systems and processes. He is CEO of Paradigm Shift International, specializing in agile systems research, engineering, and education; is an adjunct professor at Stevens Institute of Technology and an Instructor at California Institute of Technology. He chairs the INCOSE working groups for Agile Systems and Systems Engineering, and for Systems Security Engineering; and leads the current INCOSE Agile Systems Engineering Life Cycle Model project. He is an INCOSE Fellow, and the author of *Response Ability – the Language, Structure, and Culture of the Agile Enterprise*.

Become an INCOSE Member!

Please follow this link to Join INCOSE as a Member or Associate Member:

https://www.incose.org/incose-member-resources/join-incose

Our Sponsor for 2020:

LOCKHEED MARTIN

How to Connect

IMPORTANT – WEBINAR MOVE TO ZOOM PLATFORM

We have moved to the ZOOM platform for INCOSE webinars. One significant change is that we recommend that attendees join audio now using the ZOOM platform audio (Voice over Internet). This worked very effectively for the recent (virtual) International Symposium.

Register in advance for this webinar (and for the practice session) at:

https://incose-org.zoom.us/webinar/register/WN_bRvXocn6S9eALmmYMPdKtw

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 https://connect.incose.org/Library/Webinars/Pages/INCOSE-Webinars.aspx

Notice

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

Zoom can be used to record meetings. By participating in this meeting, you agree that your communications may be monitored or recorded at any time during the meeting.

Missed the webinar?

If you miss the webinar, you will be able to see a recording of it on INCOSE Connect at https://connect.incose.org/Library/Webinars/Pages/INCOSE-Webinars.aspx where you will also be able to view the previous one hundred and forty-two INCOSE webinars.

Please note that you can now receive a PDU in support of 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,

Andy Pickard
Rolls-Royce Representative, INCOSE Corporate Advisory Board,
Andrew.C.Pickard@rolls-royce.com

Our Sponsor for the 2020 Webinar Program

LOCKHEED MARTIN

STAY CONNECTED: