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When

Wednesday 20 September 2023 from 11:00am-12:00pm
EDT (3:00pm-4:00pm UTC)

Topic

Agile Systems Engineering – It's Not Your Father's
Oldsmobile

Speaker

Rick Dove



Abstract

The Manifesto for Agile Software Development and related processes like Scrum are well known, and well suited to software engineering. But software engineering is very different than electronic engineering, mechanical engineering, and systems engineering. Engineering today needs the agility to anticipate and effectively respond to increasingly dynamic and uncertain environments. While tactical methods (the how part) for engineering agility necessarily vary among different engineering domains, strategies (the what and why parts) for achieving these common goals are domain independent. Research has shown us fundamental common strategies that enable agility in any domain; but each domain needs to express these patterns differently to fit the nature of that domain. This presentation will profile eight strategic aspects and contrast examples of their tactical manifestations in systems engineering and software engineering.

Biography

Rick Dove is an independent researcher, systems engineer, and project manager generally focused in the systems agility and systems security areas. He chairs the INCOSE working groups for Agile Systems and Systems Engineering and for Systems Security Engineering. He leads both the Agility and Security project areas for INCOSE's Future of Systems Engineering (FuSE) initiative. He is an INCOSE Fellow, and author of *Response Ability – the Language, Structure, and Culture of the Agile Enterprise*.

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Regards,
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