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Advanced Problems in Systems Engineering

It has been over 11 years since the OMG established the SysML for modeling systems. As a community, Systems Engineers have solved many of the challenges developing complex systems. Yet certain issues continue to cause problems for many organizations. This presentation discusses some of the common problems and offers solutions for them.

Specifically, this presentation addresses the handoff between Systems Engineering models and the downstream consumers of those models (generally, subsystems engineering teams or software teams), how and what to model for midlife upgrade and maintenance project, and how to perform Systems Engineering in large scale, agile environments.

Biography

Jeff Cohen has been designing both Systems Engineering and Software Engineering systems using UML and SysML modeling for over 20 years. He built systems including high speed mail sorting machines, aerospace and defense systems, automotive systems, and semiconductor products. He is a Licensed Professional Engineer in the State of Texas and helped develop the Software Engineering Principals and Practices exam. Currently, Jeff consults and trains engineers in highly regulated, safety critical industries about systems and software development.