



Modeling for Verification and Validation Workshop

FAA WJHTC Director's Conference Room

(Building 300, 4th floor, Column K-35)

Tuesday, September 22, 2015

12:30PM – 4:30PM

Focus:

- Discuss the theories and uses of modeling to support the verification and validation of concepts, requirements, designs, systems, and operations.
- Identify practical techniques, practices, and model based systems engineering methodologies that employ various types of modeling in a product life cycle (especially early in the life cycle).
- Address the challenges of modeling complex systems and concepts that have emergent behaviors.

Content:

Subject Matter Experts will provide a perspective on Modeling for V&V touching on:

1. Modeling theory and methods
2. Modeling examples and use cases
3. Identifying key issues, challenges, or questions

Open discussion and brainstorming on solutions for key issues, challenges, or questions relating to Modeling for V&V.

Time	Topic	Speaker
12:30 – 12:45pm	Introduction/Purpose	John Frederick Manager, V&V Strategies & Practices Branch, FAA Natesh Manikoth Chief Scientific and Technical Advisor for NAS Software, FAA
12:45 – 1:00pm	Modeling Overview	William D Miller INCOSE INSIGHT Editor-in-Chief, Stevens Institute
1:00 – 1:15pm	SME: Modeling for V&V Perspective	Mark Flanigan, NATS-UK GM Customer Solutions Simon Daykin, NATS-UK Chief Architect
1:15 – 1:30pm	SME: Modeling for V&V Perspective	Donald Firesmith, SEI Carnegie Mellon Principal Engineer, Software Engineering Institute
1:30 – 1:40pm	Break	
1:40 – 1:55pm	SME: Modeling for V&V Perspective	Paul S Miner PhD, NASA Senior Research Engineer
1:55 – 2:10pm	SME: Modeling for V&V Perspective	David Allsop, Boeing Senior Systems Engineer
2:10 – 2:25pm	SME: Modeling for V&V Perspective	Jonathan Hammer, Noblis Senior Advisor
2:25 – 2:40pm	Break	
2:40 – 4:15pm	Open Discussion on Issues, Challenges and Questions	
4:15 – 4:30pm	Closing	John Frederick Manager, V&V Strategies & Practices Branch, FAA Natesh Manikoth Chief Scientific and Technical Advisor for NAS Software, FAA