



International Council on Systems Engineering
New England Chapter Meeting

Why Systems are Bad but Systems Engineering is Good

Speaker: Dr. Tim Rudolph Technical Adviser, Systems of Systems Networking and Interoperability, Electronic Systems Center, Hanscom Air Force Base.

Date: Wednesday, October 8th, 2008

Time: 6:00-6:20pm Social / Refreshments
6:20-6:40pm Chapter Meeting / Networking
6:40-8:00pm Featured Presentation

Location: Jacobs Technology, Lincoln North
55 Old Bedford Road, Lincoln, MA. 01773

Reservations:

For planning purposes, please RSVP at info@incose-ne.org

For further information about the International Council on Systems Engineering, please see the INCOSE Chapter website at <http://www.incose-ne.org/>

Cost: \$10 for members, Free for students and first time attendees

About the Presenter



Dr Tim Rudolph is a Senior Level (SL) position in the Air Force, serving as the Technical Advisor, Systems of Systems Networking and Interoperability, Electronic Systems Center (ESC), Hanscom AFB in Bedford, MA. Dr. Rudolph has become the first Senior Leader in the center's history. An SL position is equivalent to a Senior Executive Service position, where he focuses on specific technical or organizational challenges. Dr. Rudolph currently chairs the ESC Chief Technical Officers Team. In that role, he works with the senior technical representatives from each of the other acquisition wings and representatives from the Office of the Assistant Secretary of the Air Force for Acquisition and the Air Force's Warfighting Integration and Chief Information Officer.

As the Enterprise Director of Integration he leads a number of initiatives collaborating across all the acquisition Wings at ESC. He has applied experience in multiple technical disciplines through all phases of the acquisition lifecycle, including requirements analysis, architecture, high level design, development, integration, test, fielding, and support. Dr Rudolph has held a number of positions supporting Air Force activities. As a founding member of the ESC Enterprise Integration Team, he directed and supported Wing, Cross-Wing, Cross-System Center, and Cross-Agency integration activities. He has been instrumental transformational activities to migrate to federation-based and services-oriented capability development, including lead for multiple Communities of Interests involving multiple Programs of Record.

Dr Rudolph gained system development experience from Junior Programmer advancing through Senior Programmer/Analyst in multiple IT companies. In Mar 1994 he co-founded Paradigm Technologies, Inc., an industry partner focused on the application of technologies in creative ways for multiple Services, agencies, and commercial enterprises which he managed until divesting in 2007. He is a recognized pioneer in open systems, e.g., Posix standards, and modeling and simulation technologies, with extensive experience leading Government and industry partners to advance technologies for enterprise solutions. He was the initial AF lead on the DoD High Level Architecture (HLA). Dr. Rudolph is a Certified System Engineering Professional by the International Council on Systems Engineering (INCOSE).

Abstract

Discussion of AF & ESC Mission relationship to migration from systems to enterprise. Address Transformation challenges driven by need for data sharing. Includes aspects of Approach to Service Oriented Architectures & beyond, use of Open Technology, and process improvement across the systems engineering lifecycle.