



CHICAGOLAND

Chapter Meeting – September 2019



Topic: Systems Architecting

Presenter: Dr. Mark McKelvin, Jr.

Lecturer, System Architecting and Engineering,
University of Southern California

Presentation Site: Remote from Los Angeles, CA

Date: Thursday, September 19, 2019

Agenda: 6:00 - 6:30 PM CT – Dinner & Networking
6:30 - 6:45 PM CT – Announcements & Introductions
6:45 - 7:00 PM CT – Mini-Presentation by INCOSE Architecture Working Group
7:00 - 8:15 PM CT – Feature Presentation and Q&A

Abstract

System architecture is the conceptual model that defines the structure, behavior, and views of a system-of-interest. System architecting addresses the role of systems architecture in Systems Engineering, as well as the process and activities for developing a solution that meets stakeholder needs. This presentation will provide a brief overview of system architecture and identify key aspects of the system architecting process. An approach to system architecting will be presented along with an example to illustrate application of the approach in space system development.

About Our Speaker

Dr. Mark McKelvin, Jr. is a Sr. Engineering Specialist in the Applied Software Technologies Dept. in the IS and Cyber Division of The Aerospace Corporation, where he specializes in systems and software engineering and the application of model-based engineering techniques to develop solutions for cyber-physical, embedded, and software-intensive systems. Mark was worked for a variety of companies including: JPL, General Motors R&D, Intel Corporation, HRL, Sandia National Lab, Army Research Lab, Army High Performance Research Center. He has worked as a software systems engineer, an electrical systems engineer, and a lead fault protection engineer on major flight systems.

* Mark is also a Lecturer in the System Architecting and Engineering graduate program at USC, where he teaches courses in MBSE and SE Theory and Practice.

* Mark holds a Ph.D in Electrical Engineering and Computer Sciences from UC Berkeley, and a BS degree in Electrical Engineering from Clark Atlanta University. Mark is the President of the INCOSE Los Angeles Chapter.

Questions? For more information, go to <http://www.incose.org/Chicagoland/>.



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Attend / network at one of the physical sites listed below, or attend remotely



IBM offices, 10 N. Martingale Rd.
Schaumburg, IL 60173
3rd Floor Conference Room



BB7, 5407 Fen Oak Dr.
Madison, WI 53718
Mendota Conference Room



Oshkosh Corp (**Limited to Oshkosh Employees**)
370 W. Waukau Ave
Oshkosh, WI 54902

Attend live, on-line. Meeting begins at 6:30 PM CT.

Video URL:

<https://incose.pgimeet.com/INCOSEResourceTwelve>

Audio Dial-In:

Access Number: 1-605-475-5604

Guest Passcode: 723 236 7062

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