INCOSE | CHICAGOLAND

Topic: **AI-based Systems Engineering, A Roadmap**

Presenter: **M. Kevin McHugh**
IBM Executive Technical Specialist, Data Scientist, and Architect

Presentation Site: Remote. Online attendance only due to COVID-19.

Date: Thursday, June 17, 2021

Agenda: 6:30 - 7:00 PM CT – Announcements & Introductions
7:00 - 8:45 PM CT – Feature Presentation and Q&A

Abstract

The tools we use are reflected in the products we create. With the goals to increase quality, clarity and understanding we organize our engineering artifacts in, for instance, documents or databases. We have methods and processes. In recent years, we have seen the advent of Natural Language solutions that assist with assessing the quality of requirements or translation of artifacts from requirements to test cases.

Still, the information load is too great. The time pressure is too great. We need our tools to understand and help act on information.

What if we look at engineering artifacts as data with a rich, sometimes overlapping, sometimes independent set of meta-data? This view yields a series of AI enrichments that convert semi-structured product / process data to ML Models that interact. This session discusses a roadmap and an architecture to correctly identify engineering artifacts in the context of a System of Systems and V model, and then apply engineering decision making processes based on System of Systems, V Model and DoDAF.

About Our Speaker

M. Kevin McHugh is an Executive Technical Specialist, Data Scientist, and Architect for IBM Data and AI Expert Labs, a Certified Cloud Pak for Data Solution Architect and AI enthusiast. He has over 30 years' experience with every portion of the Systems Development Lifecycle. He leads organizational change meeting key business and operational objectives through innovative technical and process solutions.

Over the past several years, Kevin led Agile and tool adoptions at major insurance, automotive, manufacturing, and property rights companies as well as U.S. federal government organizations.

As a Cognitive Engineer and Thought Leader for IBM Data and AI Expert Labs, Kevin applies Artificial Intelligence to problems and opportunities in the Software and System Development space.

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

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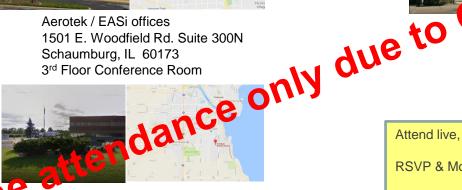   IBM Executive Technical Specialist, Data Scientist, and Architect

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INCOSE Chicagoland Sites

Aerotek / EASi offices
1501 E. Woodfield Rd. Suite 300N
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.

RSVP & More Information:

https://incosechicagoland-2021-06.eventbrite.com

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