

Complexity and its Implications to the Systems Engineering Process

INCOSE Chapter Meeting

International Council on Systems Engineering • Cleveland-Northern Ohio Chapter

Tuesday
May
27th

Member Meeting • All Welcome

Who: INCOSE Cleveland-Northern Ohio Chapter

What: Presentation

When: Tuesday, May 27th, 2014, 5:30 PM

Where: [Moosehead Hoof and Ladder](#)

<http://www.mooseheadrestaurant.com/h hoof-and-ladder-olmsted-falls/>

7989 Columbia Rd, Olmsted Falls, OH 44138

Guest Speaker: Dr. Brian Castellani, Professor of Sociology, Kent State University, Head of the Complexity in Health Group

Registration Requested: See Eventbrite link in email announcement or at <http://www.incose.org/cleveland/>

Abstract for the presentation: Systems Engineers are moving ahead with various initiatives to enable Model Based Systems Engineering. But these initiatives may not be capturing the idea that these systems are Complex. INCOSE and ISO-15288 process areas capture best practices to address complicated systems, but that there are additional methods require to address the emergent behavior found in Complex Systems. This presentation will discuss some of the deficiencies in the current ISO-15288 processes, then provide an overview of the SACS Toolbox approach to viewing a complex system.

Bio: Brian Castellani, Ph.D. is a professor of sociology at Kent State University and an internationally recognized expert in statistics, mixed-methods, and the development of computational and complexity science methods, as well as their application to a variety of topics in health and health care and communities and cities. He is also known for his development of the SACS Toolkit, a case-based, mixed-methods, computationally-grounded framework for modeling complex systems.



The meeting is **free** and **open** to the public. For those in attendance, food and beverage purchases may be made.

<http://www.INCOSE.org/Cleveland>

