

# Chapter Meeting – August 18, 2022



CHICAGOLAND



**Topic: Individual Systems Thinking Elements, Rubrics & Relationships**

**Presenter: Divya Behl, University of Texas at Arlington (UTA)**

**Presentation Site: Onsite Actalent + Online**

Date: Thursday, August 18, 2022

Agenda: 6:30 - 7:00 PM CT – Announcements & Introductions  
7:00 - 8:15 PM CT – Feature Presentation and Q&A

## **Abstract**

Systems thinking is a core competency for systems engineers. Individual systems thinking (IST) is described as the ability of an individual engineer to demonstrate systems thinking. Recent research defined IST capability elements and associated rubrics as well as relationships between the elements.

Researchers Divya Behl and Susan Ferreira performed an exercise to validate this research. Validators were provided with a validation package that contained the systems thinking capability model information and questions to answer about the model.

Divya will present the information about the IST model as well as the validation exercise. She will share some of the outcomes from the in-process validation feedback analysis. Results from the completed research are expected to help engineers and project managers to better understand IST and use this to benefit their projects.

## **About Our Speaker**

Divya Behl is a Ph.D. student at the University of Texas at Arlington (UTA). Her research interests are associated to systems engineering and include systems thinking and program management. She has B.S. and M.S. degrees in Industrial and Systems Engineering from Northern Illinois University. She is the Vice President of Program Management at a company in the west suburbs of Chicago. She is presenting systems thinking research associated to her dissertation. She is working on the research with and is supervised by Dr. Susan Ferreira at UTA.

Dr. Susan Ferreira is an Associate Professor in the Department of Industrial, Manufacturing, and Systems Engineering at the University of Texas at Arlington. Her industry background includes working with Lockheed Martin Integrated Systems and Solutions, General Dynamics/Motorola, and Northrop Corporation. Dr. Ferreira's research interests include systems thinking, risk management, and model-based approaches to understand and solve complex problems.

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

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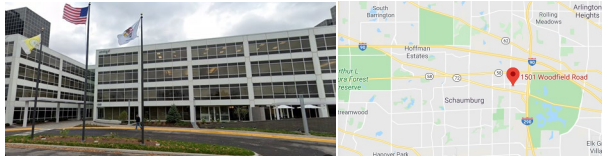


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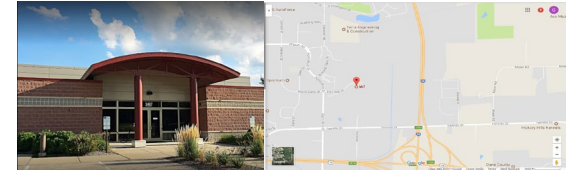
**Attendance: In person: Actalent, BB7, Oshkosh Corp, and Online**

## INCOSE Chicagoland Sites



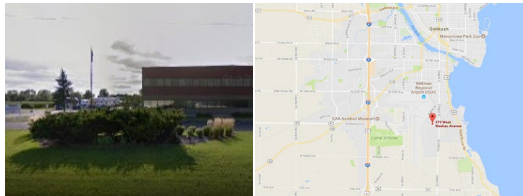
### **Actalent**

1501 E. Woodfield Rd. Suite 300N  
Schaumburg, IL 60173  
3<sup>rd</sup> 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-2022-08.eventbrite.com>

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