



CHICAGOLAND

# Chapter Meeting – September 15, 2022



**Topic: The Glass Bead Game – bridging the gap between complex Smart City models and practical applications**

**Presenter: Jon Mooney**

**Presentation Site: Onsite Actalent + Online**

Date: Thursday, September 15, 2022

Agenda: 6:30 - 7:00 PM CT – Announcements & Introductions

7:00 - 8:15 PM CT – Feature Presentation and Q&A



## **Abstract**

Past efforts by others to optimize city design, systems, and operations without bridging the gap between modeling and application have failed. This System Engineer's dilemma is taken to extreme within the dystopia of Hess's 1943 novel, *The Glass Bead Game*. Self-isolated from the real world, the future's academia spend their lives competing with one another to model the intricate connections in the outside world. Their glass bead models become increasingly detailed and all-encompassing representations of the world, but lack of experience in outside society prevents the model from achieving practical applications.

As INCOSE's Smart Cities Initiative begins its fourth year of creating SE tools for Smart City development and operation, its charter goal remains focused on keeping those resources practical.

This presentation reviews past SE efforts and difficulties in the civil sector and then reviews the Smart City's stakeholders and their needs, helping to keep the SCI's work focused.

## **About Our Speaker**

Jon Mooney started his career as an Aerospace Engineer working on spaceflight and defense industry programs. He is currently an independent consultant in acoustics, vibration ([www.jwmooney.com](http://www.jwmooney.com)) and systems engineering ([www.jwmse.com](http://www.jwmse.com))

Jon is an active member of INCE, ASA and INCOSE. He also serves as architectural acoustics editor for *Noise Control Engineering Journal* and *Walls & Ceilings* magazine and writes technical book reviews for other publications.

Jon's current passion is to introduce Systems Engineering concepts into the Built Environment and AEC Industries to manage life cycle requirements requiring collaboration among disciplines.

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



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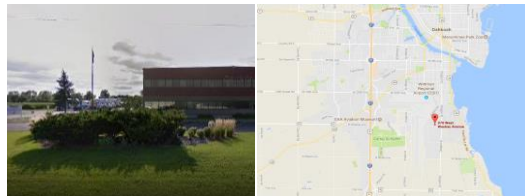
## INCOSE Chicagoland Sites



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-2022-09.eventbrite.com>

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