

# Chapter Meeting – April 2021



CHICAGOLAND



**Topic: Engineering Better Systems: the role of performance modeling in delivering customer-perceived quality**

**Presenter: Jim Streed, *Motorola Solutions***

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

Date: Thursday, April 15, 2021

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

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

## **Abstract**

We engineer systems in the service of stakeholders. Our stakeholders decide whether our efforts are indispensable, merely useful, or a waste of time and energy. Stakeholders view a system as helpful or a hindrance, high value or high expense. Stakeholders' evaluation of system quality is inevitably tied to how well the system helps them achieve their objectives; perception of system excellence is coupled to system performance. Performance modeling is an essential tool for ensuring that your system quality matches stakeholder expectations. Performance modeling is a playground where you can explore alternatives, reveal relationships, and gain a deep understanding of how your system interacts with its environment. Join in on a journey through a performance modeling and analysis example to see how to drive design decisions that directly affect perceived quality.

## **About Our Speaker**

Jim Streed has 30 years of experience developing mission critical communications systems for first responders at Motorola and Motorola Solutions. After stints in hardware design and digital signal processing software, he has spent the last 20 years in systems design. Jim uses modeling and simulation, data science, and other Design for Six Sigma tools and techniques to identify high quality, customer-centric, cost-effective design decisions. Being an INCOSE member, he is also valued at Motorola Solutions as a systems engineering process pragmatist.

Jim earned a BS in Electrical Engineering from University of Illinois and a MS in Electrical Engineering from Illinois Institute of Technology. He is also certified as a Design for Six Sigma Black Belt.

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

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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.

Video URL:

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

Audio Dial-In:

Access Number: 1-646-307-1479

Guest Passcode: 801-108-4350

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