Chapter Meeting – April 2021



CHICAGOLAND





<u>Topic</u>: 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: Agenda:

Thursday, April 15, 2021 6:30 - 7:00 PM CT – Announcements & Introductions 7:00 - 8:15 PM CT – Feature Presentation and Q&A

<u>Abstract</u>

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.

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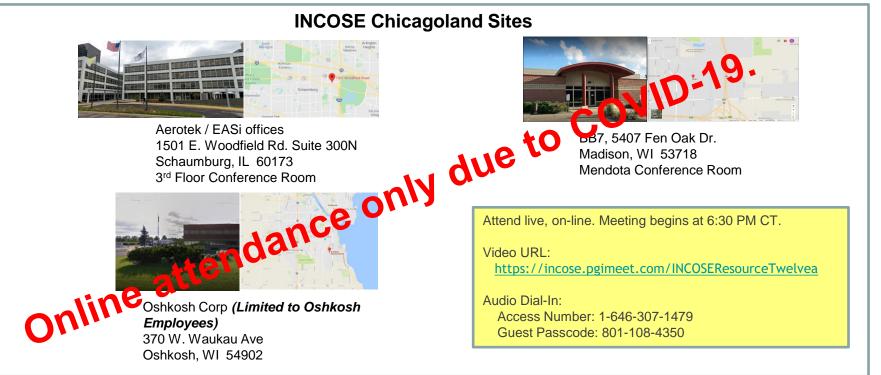




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Questions? For more information, go to http://www.incose.org/Chicagoland/.