



INCOSE Chicagoland Chapter Newsletter

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Upcoming Events:

September 15 **Towards Systems with a Will to Live**, Rick Dove, Paradigm Shift International & Stevens Institute of Technology

October 20, **Affordable Architectures**, Dr. Tom Herald, Lockheed Martin & Stevens Institute of Technology

November 4-6, **Great Lakes Regional Conference**, Dearborn, MI

Coming this Fall:

A one-day Human Factors Engineering tutorial

More information coming soon!

Chicagoland Chapter Expands its Borders

You may have noticed something new in your chapter meeting invitations—locations in Wisconsin.

Due in large part to the contributions of Paul White, the 2011 INCOSE Chicagoland Chapter Program Chair, two sites in Wisconsin have hosted meetings for the Chicagoland Chapter. White is a systems engineer at Astronautics Corporation of America (ACA) in Milwaukee.

“We have a small, and growing, INCOSE presence in Wisconsin. Our goal is to reach out to our Wisconsin members and companies so that they can benefit more fully from the many career resources that INCOSE offers to systems

engineers,” said White.

Attendees of the April meeting at ACA were treated to dinner and a tour of the facility. Those present included employees of ACA and other Wisconsin-based companies. ACA has hosted remote locations for May, June, and August and plans to continue to host remote meetings going forward.

In July, Bjorksten | bit 7 hosted a chapter meeting at its facility in Madison. Like ACA, Bjorksten | bit 7 provided attendees with dinner and a tour of the facility. Randy Iliff, Vice President of Insight at Bjorksten | bit 7, presented a case study of the IceCube neutrino telescope. Iliff stated, “The

remarkable power of Systems Engineering does not arise from exotic tools, complex processes, or formal structures. Instead that power originates from the underlying logic. The IceCube case study clearly demonstrates that even highly tailored SE applications can be spectacularly successful”.

Several other Wisconsin companies, including Dematic, Harley Davidson, John Deere, and Oshkosh Corporation, have also expressed support for the SE discipline and INCOSE.

If your company is interested in hosting a live or remote meeting, please contact bob.parro@incose.org.

Upcoming Midwest Regional Conference

This year’s INCOSE Great Lakes Regional Conference will be held at the Dearborn Inn in Dearborn, Michigan.

The weekend’s agenda includes a Certified Systems Engineering Professional (CSEP) certification preparation course over

three days. On Saturday and Sunday, attendees can also choose from a tutorial and paper presentations.

Although the deadline for abstracts was August 20, anyone interested in presenting is welcome to submit an abstract to

incosemi@gmail.com. Sponsorship and exhibitor opportunities are also available, starting at \$500. Interested organizations should contact incosemi@gmail.com.

More detailed conference information will be available soon.

Chapter Speaker Featured in INCOSE INSIGHT



Rick Dove, Chairman of Paradigm Shift International, will speak to the Chicagoland Chapter in September

“As high-complexity systems become subject to security threats, systems engineers must select the appropriate strategies for improving resiliency”

Rick Dove will be speaking to the INCOSE Chicagoland Chapter in September on the topic of “Toward Systems with a Will to Live”. In this presentation, Dove will focus on the development of systems with increasing levels of artificial intelligence.

Dove is featured with colleague Jennifer Bayuk in the current edition of INSIGHT, the official newsletter of INCOSE. In their featured article, Dove and Bayuk discuss “Systems of Systems and Self-Organizing Security”.

As systems evolve and become increasingly complex, systems engineers face challenges in conceptualizing these systems. INCOSE’s Systems Science and Complex Systems Working Groups, aim to best manage the conceptual, operational, and architectural challenges that these systems of systems present.

The article focuses on development of systems that are expected to become “high-value targets under attack by determined, intelligent adversaries.” As high-

complexity systems become subject to security threats, systems engineers must select the appropriate strategies for improving resiliency. Dove and Bayuk’s article examines a number of strategies to protect information security in complex systems.

Volume 14, Issue 2 of INSIGHT is available to INCOSE members through INCOSE Connect. Members can also request hard copies of the publication for an additional charge.

Chapter Participates in Systems Development Seminar

On Tuesday, August 9, IBM hosted a one-day seminar on Systems and Software Development at its Schaumburg location.

IBM’s Rational division is well-respected as a leader in systems engineering tools. One of the seminar’s featured presenta-

tions discussed the complete Rational solution to lifecycle management for systems and software. Other featured topics included Hardware and Software Co-Development, Change Management Across the Lifecycle, and Safety Criti-

cal Software for Medical Devices, among others.

Over lunch, the Chicagoland Chapter of INCOSE hosted a short reception, gaining publicity for the chapter. Thanks to all who made the seminar a success!

INCOSE Chicagoland Chapter on LinkedIn



Do you have an opening for a systems engineer? Are you looking for a position?

The new INCOSE Chicagoland Chapter group on LinkedIn provides an opportunity for systems engineering job seekers to connect with hiring managers in Chicagoland and the surrounding area.

To join, please visit linkedin.com and search for the group. Please note that group membership is limited to INCOSE members affiliated with the Chicagoland Chapter.

Not an INCOSE member? Visit incose.org/joinincose to join. Remember to select the Chicagoland Chapter as your affiliation.

The Chapter website and emails will continue to be the primary source of information about the Chapter. However, Chapter members are encouraged to join the LinkedIn group for networking opportunities and additional membership benefits.