

# INCOSE Chicagoland March 2017 Meeting



**Topic:** *What do the Terms Verification and Validation Really Mean?*

**Presenter:** *Lou Wheatcraft, Engineering Instructor / Consultant*

Date: Thursday, March 16, 2017

Agenda:  
6:00-6:30 p.m. CT – Dinner & Networking  
6:30-6:45 p.m. CT – Introductions & Announcements  
6:45-8:00 p.m. CT – Presentation and Q&A

**Locations:**

1. **Schaumburg, IL** – IBM, 10 N Martindale, Schaumburg, IL 60173 (3<sup>rd</sup> floor conference room)
2. **Madison, WI** – bb7, 5407 Fen Oak Ct., Madison, WI 53718 (Mendota Conference Room)
3. **Glendale, WI** – Johnson Controls, 5757 N. Green Bay Avenue, Glendale, WI 53209 (MPR Conference Room)

**Abstract**

While the terms verification and validation are commonly used, their true meanings are often misunderstood. This is particularly true when the terms are combined with generic terms for verification and validation (V&V); independent V&V (IV&V); or integration, verification and validation (IV&V). To avoid ambiguity, each term needs to be preceded by a modifier which clearly denotes the proper context in which the term is being used, specifically requirement verification or requirement validation; design verification or design validation; system verification or system validation. When using these terms, it should be clear as to which concept is intended. A final conclusion of the discussion is that verification and validation are activities that are done throughout the systems development lifecycle processes and are the major topics of all gate reviews.

**About Our Speaker**

**Lou Wheatcraft** is a senior instructor/consultant for Requirements Experts (RE) who educates organizations on the importance of writing good requirements and helps them implement Requirements Development and Management (RD&M) processes based on industry best practices. Lou has taught over 190 requirement seminars over the last 17 years. Lou works with both government and industry clients to tailor training for their organization and provides just in time team training for specific projects. Lou has spoken at Project Management Institute (PMI) Chapter meetings, International Council on Systems Engineering (INCOSE) conferences and NASA's PM Challenge. He has delivered tutorials to multiple PMI and INCOSE chapters. Lou is a member of several organizations including PMI, INCOSE, the Software Engineering Institute (SEI), the World Futures Society, and the National Honor Society of Pi Alpha Alpha. Lou is co-chair of the INCOSE Requirements Working Group, and is co-author of INCOSE's Guide to Writing Requirements. Lou is the primary contributor to RE's blog on requirements best practices. The blog can be assessed at: <http://www.reqexperts.com/blog>.

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