

# INCOSE Chicagoland Chapter Spring 2018 Seminar

April 14 - Schaumburg, IL

8:00 a.m. – 4:30 p.m.

## Writing Good Requirements

***This class will provide the foundational skills required to write good (dare we say "excellent"!) requirements, ensuring clear and concise communication between the business and project teams.***

*In this tutorial, you will learn:*

- *What you need to do before you write requirements*
- *Best practices for writing functional and non-functional requirements*
- *How to recognize defective requirements and*
- *Techniques that can be applied and the attributes captured to improve the overall quality and understanding of your requirements.*

*Team exercises will provide the attendees practice at writing requirements, critiquing their own work, and correcting defective requirements.*

Early-bird  
registration rates  
available until  
March 17!

**Seminar Instructor**  
**Lou Wheatcraft**



Senior Product Manager at Seilevel/Requirements Experts  
Chair of the INCOSE Requirements Working Group

Advance registration required. Space is limited and will fill quickly for this special event. Don't delay!

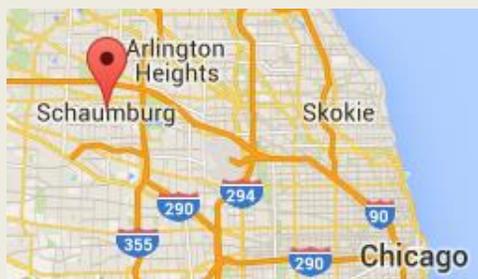
**Register Online:**

<https://incose2018springseminar.eventbrite.com>

**Seminar Location:** [click here for details](#)

**IBM**

10 N. Martingale Rd.  
Schaumburg, IL 60173



# INCOSE Chicagoland Chapter Spring 2018 Seminar

## Writing Good Requirements

### SEMINAR OUTLINE

You will learn:

- The role requirements have in the overall Systems Engineering of products
- To write requirements based on industry best practices as defined in the INCOSE Guide for Writing Requirements and apply various techniques to avoid writing bad requirements
- To quickly identify and fix bad requirements
- To use rationale to clarify each requirement so that it is understood just one way and you have a history of why the requirement exists for purposes of change impact assessments, maintenance and verification
- To use attributes such as verification method, allocation, and traceability to improve your requirement set
- To write different types of functional and non-functional requirements
- To verify and validate your requirements as they are written to avoid preparing and submitting a bad requirement specification for review
- What is involved in making the baseline discussion for your requirements set.

Systems Engineering

- What is a system? System of Interest? Enabling Systems?
- Levels
- Systems Engineering
- Why Requirements?

Writing Good Requirements

- Why text-based requirements?
- What is a Requirement?
- Characteristics of well-formed requirement statements
- Characteristics of well-formed sets of requirements
- Documenting Requirements
- Categories of Requirements
- Writing Interface Requirements vs defining interfaces
- Documenting Requirement Attributes
- Baseline Requirements – Requirement Verification & Validation
- Managing Change

**Seminar starts at \$125**  
**Many discounts available**

**Materials, lunch, and refreshments are included in the registration fee.**  
**Attendees will earn 7 PDUs for the seminar; certificates will be provided.**

### Your Instructor



Lou Wheatcraft is a senior product manager for Requirements Experts (RE)/ Seilevel, who educates organizations on the importance of developing and writing well-formed requirements and helps them implement Requirement Development and Management processes based on industry best practices.

Lou has taught over 180 requirement tutorials over the last 17 years.

Lou works with both government and industry clients. Lou has spoken at Project Management Institute (PMI) chapter meetings, INCOSE conferences and chapter meetings. Lou has published and presented a multitude of papers on requirement RD&M topics for NASA's PM Challenge, INCOSE, INCOSE INSIGHT Magazine, and Crosstalk Magazine. Lou is a member of INCOSE, Chair of the INCOSE Requirements Working Group, a member of the Project Management Institute (PMI), the Software Engineering Institute (SEI), the World Futures Society, and the National Honor Society of Pi Alpha Alpha.

Lou has a BS in Electrical Engineering from Oklahoma State University, an MA in Computer Information Systems from the University of Houston – Clear Lake, and an MS in Environmental Management from the University of Houston – Clear Lake. Lou is the primary contributor to Requirement Engineering's blog on requirements best practices at <http://www.reqexperts.com/blog>

### What is INCOSE?

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to develop and disseminate the interdisciplinary principles and practices that enable the realization of successful systems. INCOSE's Mission is to share, promote and advance the best of systems engineering from across the globe for the benefit of humanity and the planet.



[www.incose.org](http://www.incose.org)