

INCOSE Chicagoland January 2017 Meeting



Topic: *International SE Standards and Guides for Very Small Entities*

Presenter: Dr. Claude Laporte, *INCOSE Co-Chair of the Very Small Entities Working Group*

Date: Thursday, January 19, 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 (3rd 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

Most existing engineering standards have been developed by and for large organizations not having in mind small and very small organizations. As systems are getting bigger, customers as well as systems integrators must work with small suppliers. Very small entities (VSEs), i.e. enterprises, organizations, projects or departments having up to 25 people, are very important to the worldwide economy. However, such organizations often do not utilize existing engineering and management standards and frameworks. To address the needs of VSEs, a set of international standards and guides, the ISO/IEC 29110 series, has been specifically developed using the ISO/IEC/IEEE 15288 systems engineering standard and the ISO/IEC/IEEE 12207 software engineering standard as the main frameworks. The fact that the management and engineering guides are easily understandable and freely available has helped its adoption in academia: more than 15 countries are teaching ISO 29110. An example of the application of ISO 29110 in undergraduate and graduate programs is briefly presented. An ISO 29110 certification scheme is presented, as well as future developments of ISO 29110.

About Our Speaker

Dr. Claude Laporte is a Professional Engineer, INCOSE Co-Chair of the Very Small Entities WG, and professor at the École de technologie supérieure, a 11,000-student engineering school of Montréal. He is the Project Editor of ISO/IEC 29110 life cycle standards and guides for Very Small Entities developing systems or software. He joined INCOSE in 1995. He is the co-author of two French textbooks on software quality assurance published in 2011 and one English textbook, on the same topic, to be published by IEEE Press-Wiley in 2017. He was awarded an honorary doctorate by the *Universidad de San Martin de Porres* of Peru in 2013.

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