

**Full Day Seminar: Thursday, June 17, 2010, 8:30am – 5:00pm**  
**at SAIC in the Research Park**

## This tutorial addresses the importance of the Risk Management process in Information Security Systems Engineering (ISSE)

This discussion will be centered on the importance of the Information Security Systems Engineering (ISSE) Risk Management process and will be oriented to information assurance (IA) methodologies utilized by NIST and Department of Defense contracts. Understanding the ISSE risk process is invaluable to Program Managers, Systems Engineers, System Architects, and Information Assurance professionals at all levels.

The ISSE risk process can include one or all of the accepted risk methodologies. These methodologies include PMBOK 4th Edition, Oregon's Process Center of Excellence, DoD 8500.2, NIST 800-53; NIST 800-39, McCumber Cube, and DIACAP are some of the methods covered.

This course provides a conceptual background in risk analysis and hands-on training in the use of **Risk Management Plans & Individual Risk Summary Worksheets** and how they fit into Information Assurance Planning. After completion of the course, students will know how to utilize the Risk Management Plan, perform qualitative analysis Identifying threats - Qualitative, and quantitative analysis using probability calculations for security based on the DoD STIGS. How to utilize SWOT -Strengths, Weaknesses, Opportunities, and Threats process and the 5 Steps of a Risk Analysis to determine whether to **Reduce, Transfer, Avoid, or Accept the Risk**

In addition you will learn how information assurance and risk management fits into the ISSE process as a component to Full Site Security and the top 3 security project risks and mitigation strategies.

**What are the risk? What is the likelihood / probability? What is the Impact? How do you detect it?**

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### **Registration by COB June 12, 2010:**

Registration = \$125 per person

INCOSE Members/Students = \$75

All Members who register & do not attend, will be invoiced additional an \$50 for holding a seat.

**Course materials, parking & refreshments are included with your registration.**

### **Register using the following method:**

Register on INCOSE Orlando website

[http://www.incose.org/orlando/paypal\\_tutorial\\_ISSE.php](http://www.incose.org/orlando/paypal_tutorial_ISSE.php)

or mail your check (payable to INCOSE Orlando)

**For questions or additional information, contact Becky Matz, [Becky.G.Matz@saic.com](mailto:Becky.G.Matz@saic.com) or by phone @ 407-243-3795.**



Questions? Contact:

Tutorial CoChair: **Ed Smith**

[EddieBoydSmith@gmail.com](mailto:EddieBoydSmith@gmail.com)

map/directions at:

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

# Information Security Systems Engineering –Risk Management



## About the Instructor:

Frederick B. Beltzer is a Lockheed Martin (LM) **Qualified Systems Engineer (QSE)** working as an Information Security Systems Engineer (ISSE) for LM STS. Fred is currently working on multiple programs supporting the DoD DON, USMC, USAF, and U.S. Army programs. Fred is responsible for developing the ISSE processes, procedures, tools, and technologies to support programs where he is responsible for the architecture, design, development, evaluation and integration of systems, subsystems, and networks to maintain overall security IAW the appropriate MAC level, Classification level, and level of Robustness. Fred supervises and prepares the Certification and Accreditation documentation, using multiple standards/ tools such as DIACAP, NIACAP, DCID 6/3, Common Criteria, and NIST 800-37, to achieve accreditation of supported systems while supporting contractor site security IAW DSS NISPOM Ch8. Recently, he was the ISSE for AT&T on OneTESS and Senior Computer Systems Engineer/Information Assurance Analyst for the Army's ATIA AIS, where he completed the DITSCAP C&A. Also, he served as the Senior Information Assurance SE for DISA's Coalition Secure Management & Operations System (COSMOS). Fred has written several papers, which include "A Systems Engineering Approach to Information Assurance - Volume 1" and "A Systems Engineering Approach to Information Assurance - Volume 2". Key to Fred's ISSE approach is his educational background which includes graduating with Honors from George Washington University, **Masters Degree, Systems Engineering**, (G.P.A. 3.63) where he also received a **Certificate, Systems Engineering** from George Washington University (GWU) and is a LM Qualified Systems Engineer. Fred has a Certificate, from the National Security Agency (NSA) - NSTISSI 4011 - National Training Standard for Information Systems Security Professionals (ISSP), June 2006. Fred also received a Bachelors of Science, Computer Networking from Strayer University, and graduated Suma Cum Laude (G.P.A. 3.92), where he is listed in the "Who's Who of Academia" for the graduating year of 2000, and Honors Student for Alpha Sigma Lambda National Honor Society.

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## Registration Form

### **Full Day Workshop** ["Information Security Systems Engineering –Risk Management Full Day Tutorial @ SAIC"](#)

(Workshop materials, refreshments and lunch are included in your registration fee.)

Name:	Title:
Company:	
Mailing Address:	
Work / Cell Phone:	
E-mail Address (needed for e-Confirmation):	
Registration Fee (select one): <input type="checkbox"/> Registration Fee = \$125/person <input type="checkbox"/> INCOSE Members = \$75 <b>(Note to all INCOSE members: "No Shows" will be charged \$125)</b>	
Payment Method (select one): <input type="checkbox"/> Check – Send checks, payable to INCOSE Orlando Chapter, to Becky Matz, INCOSE Orlando Chapter Treasurer, 12901 Science Dr. Orlando, FL 32826. <input type="checkbox"/> PayPal - <a href="http://www.incose.org/orlando/paypal_tutorial_ISSE.php">http://www.incose.org/orlando/paypal_tutorial_ISSE.php</a> <input type="checkbox"/> Visa or <input type="checkbox"/> MasterCard – Please include e-mail address above so a receipt can be sent to you.	

INCOSE Members can e-mail registration form to [BECKY.G.MATZ@saic.com](mailto:BECKY.G.MATZ@saic.com).

**Cancellation Policy:** Substitutions are permitted until the day before the course. Full refunds will be made prior to COB, 12 June 2010. No refunds will be made after that, although substitutions will be allowed. INCOSE-Orlando reserves the right to cancel the course with full refunds.