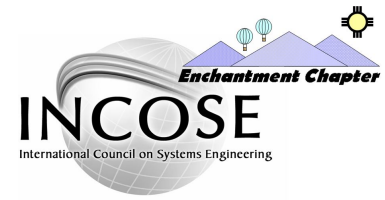


Reserve Your Space Now!



Risk and Opportunity Management

Effective Methods to Work with Uncertainty in Complex Projects

A Full-Day Tutorial with former INCOSE president Eric Honour

Monday, 9 February 2009, 8:00 a.m. – 5:00 p.m.

Location: Marriott Albuquerque Pyramid North, Albuquerque, NM

Overview



System projects today have more complexity than ever before, because system products far exceed even the dreams of prior years. Projects frequently involve great technical uncertainty, made more challenging by an environment with dozens to hundreds of people from conflicting disciplines. Yet uncertainty has two sides: with great risk comes great opportunity.

Recent work in risk management has revealed new methods that are more effective than ever before. Risks and opportunities, for instance, can be handled together to seek the best balance for each project. Uncertainty issues can be quantified to better understand the expected impact on your project. Technical, cost and schedule issues can be balanced against each other.

Some of the best recent work shows that nearly all project leadership decisions are actually risk-based decisions. So if you apply a conscious approach to risk, your decisions can be better.

Intended Audience

You should attend this course if you are:

- A key member of a complex project team
- Concerned about technical, cost and schedule uncertainty
- Seeking practical methods to bound risk while reaching for opportunity

The course is aimed at

- Program managers,
- Systems engineers,
- Technical team leaders, and
- Others who participate in defining and developing complex systems.

Topics Covered

Managing Uncertainty – Concepts of uncertainty, both risk and opportunity. Complex system projects, and expectations for what to achieve. Terms and definitions. Roles of a project leader in relation to uncertainty.

Risk Identification – Methods to find the risk and opportunity issues. Potential sources and how to exploit them. Guiding a team through the mire of uncertainty.

Qualitative Analysis – Understanding the issues and their subjective relationships using simple methods and more comprehensive graphical methods. The 5x5 matrix and diagramming methods.

Quantitative Analysis – What to do when the level of risk is not yet clear. Mathematical methods to quantify uncertainty in a world of subjectivity, and then work with the impacts of multiple risks in combination.

Risk Response Planning – Deciding what to do about the uncertainty. Selecting an appropriate response to each risk, and how to implement those responses. Four primary responses to risk. Five levels of plans.

Risk Monitoring and Control – Tracking the risks over time, while taking effective action. How to monitor the risks. Balancing analysis and its results to prevent “paralysis by analysis” and still get the benefits.

Risk Management Planning – Creating the Risk Management Plan. What to include and how to establish effective risk management. Effective and efficient risk management using minimal resources.

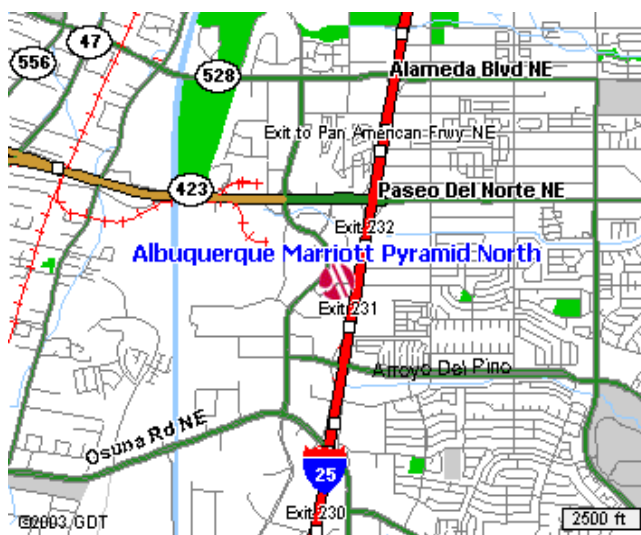
Tutorial cost includes printed slides, references, and links for downloading electronic versions.

The Presenter

Mr. Eric Honour, CSEP has been in international leadership of the engineering of systems for a dozen years, part of a 39-year career of complex systems development and operation. His energetic and informative presentation style actively involves class participants. He was the founding Chair of the INCOSE (International Council on Systems Engineering) Technical Board in 1994, was elected to INCOSE President for 1997, and served as Director of the Systems Engineering Center of Excellence (SECOE). He was selected in 2000 for Who’s Who in Science and Technology and in 2004 as an INCOSE Founder. He is on the editorial board for *Systems Engineering*. He has been a systems engineer, engineering manager, and program manager at Harris Information Systems, E-Systems Melpar, and Singer Link, preceded by nine years as a US Naval Officer flying P-3 aircraft. He has led or contributed to the development of 17 major systems, including the Air Combat Maneuvering Instrumentation systems, the Battle Group Passive Horizon Extension System, the National Crime Information Center 2000, and the DDC1200 Digital Zone Control system for heating and air conditioning. Mr. Honour has a BSSE (Systems Engineering) from the US Naval Academy, MSEE from the Naval Postgraduate School, and is a doctoral candidate at the University of South Australia.



MEETING DETAILS



Location: Marriott Albuquerque Pyramid North, 5151 San Francisco Rd NE, Albuquerque, NM 87109, (505)-821-3333, URL: “<http://Marriott.com/ABQMC>”.

Directions: From Junction of I-40 and I-25 in Albuquerque take I-25 North to exit 232, Paseo Del Norte. Take a left and cross the freeway to the south-bound Frontage Road.

Package: The tutorial cost includes notes, catered lunch and snacks. Acknowledgement of payment receipt will be by e-mail.

Payment: Please submit the attached registration form and \$175 (member) or \$200 (non-member) as indicated on the

form. See the website for opportunity to pay with PayPal. www.incose.org/enchantment

TUTORIAL ENROLLMENT FORM (Submit with Payment)

"Risk and Opportunity Management"

Monday, February 9, 2009

Albuquerque, NM

→→→ PLEASE COMPLETE AND RETURN BY Wednesday, February 4th

Name: _____ Position (optional): _____

Company: _____

Mailing Address (number, street, city, zip code): _____

Day Phone: _____ Fax (optional): _____

Email: _____ INCOSE Member No. _____

Note: Member # on original e-mail from INCOSE

Circle the enclosed amount:

INCOSE Member	Non- Member	Tutorial Plus Membership
\$175	\$200	\$300*

*special \$275 rate for registrations by 19 January (membership only is \$130)

Payment by CHECK: submitted with this form (preferred) or at the door for those pre-registered.

Payment by CREDIT CARD: can *only* be accepted via the link at the INCOSE Enchantment web sight: www.incose.org/enchantment. Credit card payment will *not* be available at the door. (E-mail R. Oetzel, rodger.oetzel@incose.org, with name of participant if different from payer.)

Mail completed form(s) and a check made out to "INCOSE Enchantment Chapter" to:

**Spring 2009 Tutorial
INCOSE Enchantment Chapter
P.O. Box 51628
Albuquerque, NM 87181-1628**

Questions? Please contact Rodger Oetzel at rpoetzel@aol.com or Murray Elowitz at melowitz@comcast.net.