

Full Day Seminar: Friday, October 12, 2007, 8:00am – 5:30pm
at UCF Engineering Bldg 2 Room ENG2-326

The Systems Engineering process is based on good engineering practice and experience. As engineered systems became more complex to include software and personnel interactions, engineering disciplines and organizations sometimes became fragmented and specialized in their attempt to cope with this increasing complexity. Organizations focused on the optimization of their primary products and often lost sight of the overall system. The Systems Engineering process should be viewed and managed as a major effort in communication and management of teams of experts that lack a common paradigm and a common language but must work together to achieve a common goal. Learn about the life cycle of an engineering system and how to plan and manage the Systems Engineering effort. Learn about the modern tools that are used for Systems development and its management. Learn how the process is authored and deployed using principles and techniques such as SysML, DoDAF, JCIDS, Model Based Systems Engineering, Capability Model and the Capability Maturity Model Integrationssm (CMMIsm), and Agile in the latest tools in the market. Work in a “hands-on” environment and listen to some of the top professionals in the industry.

To Register:

Registration by COB October 9, 2007:

Registration Fee = \$150 per person

INCOSE Members = \$75

All INCOSE Members who register and do not attend, will be invoiced additional \$75 for holding a seat.

Course materials, Parking, refreshments and lunch are included with your registration.

Registration limited.

Register using the following method:

- c) Complete the form on the next page and mail with your check (payable to INCOSE)
- d) Additional credit card method will be available September 18.

University of Central Florida
Engineering Bldg 2 Room ENG2-326

Orlando, FL 32826

directions at: [http://campusmap.ucf.edu/flash/index.php?
select=b_91](http://campusmap.ucf.edu/flash/index.php?select=b_91)

www.incose.org/orlando

Systems Engineering-Life Cycle Tools

October 12, 2007

Orlando, Florida



About the Instructors:

Dr. Yasser Hosni is a Martin Marietta Distinguished Professor of engineering in the Department of Industrial Engineering and Management Systems at the University of Central Florida. He had a BS in Mechanical Engineering in 1963, an MS in production Engineering in 1967, from Cairo University in Egypt, and a Ph.D. in Industrial Engineering from the University of Arkansas, USA in 1976. Hosni worked in industry for 10 years, where he had experience in engineering systems design and development, and manufacturing, before joining academia in 1973. Over a span of 30 years in academia, Hosni taught courses in Systems engineering, Optimization, Management of Technology and Rapid Prototyping. He conducted research at, with concentration on Computer Based Manufacturing and industrial systems. Dr. Hosni conducted over \$2.8M of funded research projects at the University of Central Florida. Sponsoring agencies include DOD, NASA, US. Government, the Kuwait Institute of Scientific Research, FDOT, and USAID. Dr. Hosni is a consultant for a number of industries locally and Internationally. He conducted Industrial and Systems Engineering workshops in Japan, Korea, Egypt, Europe, and the US. Dr. Hosni is a member of Alpha Pi Mu, Tau Beta Pi, Florida Academy of Sciences, listed in American Men & Women of Science, have been Researcher of the year and Teacher of the year several times at UCF, and was named as Martin Marietta Distinguished Professor of Engineering in 1997. He is a fellow of IIE, member of INCOSE, SME, IEEE, ASQC, ASEE, and INFORMS.

Kelli A. Houston is a Consulting IT Specialist at IBM Rational Software. She is the method architect for IBM™s internal method authoring method and is part of the team responsible for integrating IBM™s methods. In addition to her method architect role, Kelli also leads the Rational Method Composer (RMC) Special Interest Group (SIG) within IBM and provides consulting and mentoring services to customers and internal IBM consultants on the effective use of Rational Method Composer (RMC). Kelli has presented at a number of conferences and has delivered numerous courses, workshops, and webinars to both internal and external audiences. She is co-author of "Building J2EE Applications with the Rational Unified Process" and "Object-Oriented Analysis and Design with Applications (3rd Edition)", and is a contributing author of "Component-Based Software Engineering". Kelli holds a Bachelor of Science, Computer Science degree from the University of South Florida and a Masters of Science, Computer Science degree from Johns Hopkins University.

NOTE: Parking permits will be provided to workshop participants to park at UCF Garages.

Registration Form – Payment by check should be mailed to Jack Baumgardner, INCOSE Orlando Chapter Treasurer, 2618 Fawnlake Trail, Orlando, FL 32828-7842, make check out to INCOSE Orlando Chapter. Jack's email address: jbaumgardner07@comcast.net

Payment may also be made by credit card (we can accept American Express, Master Card and Visa), will need expiration date, you should receive an email receipt. Please include your email address, this is the only way we can email the receipt to you.

INCOSE Members can e-mail registration form to jbaumgardner07@comcast.net

Cancellation Policy: Substitutions are permitted until the day before the course. Full refunds will be made prior to COB, October 10, 2007. No refunds will be made after that, although substitutions will be allowed.

INCOSE-Orlando reserves the right to cancel the course with full refunds.

Registration limited to first 35 people.

Full Day Workshop "Systems Engineering-Life Cycle Tools"

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

Name: _____ **Title:** _____

Company: _____

Email (required for e-confirmation): _____

Mailing Address: _____

Work/Cell Phone: _____

Circle One: Registration Fee = \$150/person
 INCOSE Members = \$75 (covers cost of lunch/refreshments)

For questions or additional information,
contact Jack Baumgardner,
jbaumgardner07@comcast.net
or 407-380-4836.

(Note to All INCOSE members: "No Shows" will be charged full price)