



SE REVIEW



November 2008

Volume 8, Number 8



Next Board Meeting
4 December 2008
TBD

Next Chapter Meeting
10 December 2008
1630 – 1830
Precise Systems

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President's Perspective

It is the time of year to count our blessings.

Our chapter is blessed, unlike the rest of the country, with being on good financial ground. We have been able to finance our meetings and our outreach efforts for the: Junior and High School science and engineering fair, High School robotics and College UAV competitions. We have been able to commit funds for local and regional conferences that would not happen without chapters taking the risk. While the whole Board of Directors make financial decisions on your behalf, it is our treasurer's, Karl Geist's, advice that we dutifully consider the most.

Our chapter is blessed with this monthly newsletter. While I contribute this opening article, most of our newsletter is written, produced and distributed by Dawn Jaeger. If anyone has ever put out newsletter, you know what a task it is. I used to put out a yearly family newsletter, but it became too much. Besides being technically informative, our newsletter documents what we have done, who we are and what we think is important. Organizations without a newsletter struggle to maintain their identity.

Our chapter is blessed with fresh leadership, both young and experienced, all eager to serve our community. Andrew Pollard, Dale Raney, and Pete Williams are all relatively new to our chapter Board of Directors and have quickly left their seal. Each has a passion for Systems Engineering, which has been shown this year in the chapter meetings they have spearheaded.

Our chapter is also blessed with long-time leadership, with experience and contacts ready to serve our community. Ted Warren and Mary Redshaw have been on our Board of Directors since we were founded as a chapter. Ted teaches at Johns Hopkins and brings us ideas and contacts from that community. Mary teaches at the Defense Acquisition University and keeps us informed from that direction also.

Our chapter is blessed with a great board member that serves as secretary. While the Board of Directors discuss, debate, argue, plan, nominate, and approve, one of us has to write it all down, or it is for nothing. That director has to remain cool and focused no matter how passionate they are about an issue and write an unbiased account. That director needs to draw out opinions so they are recorded correctly. That director must then publish the minutes or nothing is ever decided. That director is Judy Walker.

Lastly, our chapter, like the rest of the country, is blessed with a great future president. Steve McKeown is smart, eager to serve and very personable. He is a person you want to work with. I can not think of any more important qualities our chapter needs in a president now. Our INCOSE chapter is blessed, and I have been blessed to serve you as president this year.

Respectfully,
John Walker
President, Southern Maryland Chapter
president@INCOSE-SoMD.org

INCOSE News

INCOSE Central Office Changed

After over 10 years of INCOSE Central offices being located in Seattle, Washington, all INCOSE Central services transitioned to a new office in San Diego, CA effective immediately. The new office address and staff are as follows:

International Council on Systems Engineering (INCOSE)
Central Office
7670 Opportunity Road, Suite 220
San Diego, CA 92111-2222

Phone: 858.541.1725
Toll Free: 800.366.1164
Fax: 858.541.1728

Staff:
Holly Witte, Managing Executive
Christine Kowalski, Manager/Administrator
Carol Berardino, Certification Administrator
Carrie Lopez, Administrative Assistant

We look forward to members receiving excellent services from this new INCOSE Central office and staff.

INCOSE 2008 Elections Coming to a Close – Please Vote!

Balloting for the 2008 INCOSE elections will close at 11:59 pm/23:59 hours Pacific Standard Time on 23 November 2008. If you encounter any difficulties voting or have questions about voting online, please contact Election-America at INCOSEHelp@election-america.com.

E-mail Software Upgraded

On 3 November, INCOSE upgraded our e-mail server software. Hopefully, the only thing you will notice is a reduction in the amount of unsolicited mail. However, if you experience any problems associated with your INCOSE e-mail, please let us know by sending an e-mail to comms@incose.org or contacting the INCOSE central office <http://www.incose.org/about/organization/centraloffice.aspx>.

Online submission Extended for IS09 Papers, Panels and Tutorials

During INCOSE 2009, an estimated 1000 participants from all over the world will converge upon Singapore to participate in presentations, academic forum, tutorials/courses, workshops, panel discussions and exhibition. The symposium is expected to attract a mix of professionals, researchers and educators from industry, government and the academia. This prestigious annual symposium will be held in Asia for the first time: Singapore, on 20 – 23 July 2009. The organizing committee has lined up an exciting list of keynote and invited speakers to speak at the event. Click on the official INCOSE 2009 website at <http://www.incose.org/symp2009/> for more information on the event.

The closing date for submission for papers, panel proposals and tutorial proposals is now **29** November 2008. The Technical Submissions Online Tool is accessible from the INCOSE 2009 website <http://www.incose.org/symp2009> under the menu item of “Paper, Panel and Tutorial Submission”.

INCOSE International Workshop (IW) 2009

This year the INCOSE International Workshop 2009, will take place in San Francisco, California, from 31 January to 03 February 2009, at the Westin San Francisco Airport Hotel. Our website with all the information you need is at www.incose.org/iw2009. We expect registration will be open shortly.

Throughout most of the year, working groups perform and collaborate via the internet, INCOSE Connect and telephone. The International Workshop (IW) is the main event for the working groups (WG) to physically meet and collaborate face-to-face. INCOSE is one of the few organizations of its kind that has working groups making products that are available and beneficial for its members at large. All working group meetings during the IW are open for anyone who is an INCOSE member. Please join us at the working group(s) of your preference. For an overview of the INCOSE working groups, please refer to the right-hand column of <http://www.incose.org/practice/techactivities/>.

Global Earth Observation System of Systems needs INCOSE Members

Over the next decade, a Global Earth Observation System of Systems (GEOSS <http://www.earthobservations.org/geoss.shtml>) will revolutionize our understanding of the Earth and how it works. With benefits as broad as the planet itself, this U.S.-led initiative promises to make peoples and economies around the globe healthier, safer and better equipped to manage basic daily needs. The aim is to make 21st century technology as interrelated as the planet it observes, predicts and protects, providing the science on which sound policy and decision-making must be built. Building an integrated, comprehensive and sustained global Earth Observation System opens a world of possibilities.

INCOSE has been selected to act as the GEOSS System Integration agent and architecture lead during the Architecture Implementation Pilot (AIP) <http://www.ogcnetwork.net/Alpilot>. INCOSE has immediate need for 11 System Engineers trained and experienced in using UML and SySML syntax. Work is estimated to require approximately 600 hours of labor. This will be divided amongst 11 system engineers and 1 lead architect. So an average of 50 hours per engineer is expected. Artisan architecture development tool software will be provided for development of the architecture.

Included in references is a presentation of the five views required to be built for each of the societal benefit scenarios. INCOSE team will hold interviews with societal benefit teams and develop required UML and SySML views. Contact Lawrence McGovern <mailto:lawrence.mcgovern@incose.org?subject=I%20am%20interested%20in%20GEOSS> to participate in the GEOSS effort. No labor dollars will be expended but travel costs will be paid.

INCOSE Track at SSTC 2009

This year, INCOSE and SSTC have established an INCOSE Track on Monday and Tuesday 20-21 April 2009. More information on the conference can be found below under "Upcoming Events".

Renew Your Membership

Don't forget to renew your membership. Your annual membership now expires 12 months after your enrollment anniversary. If you want to know what your enrollment date is and when your current membership will expire, just view your member profile <https://www.incose.org/membersOnly/memberInfo/updateMemberInfo.cfm>. Should you have problems or questions, e-mail Central Office (<mailto:info@incose.org>).

Update your membership profile

Did you know that you have the ability to reset your own password, change your address, phone number and employer, and even change the e-mail addresses you want your incose.org e-mails to go to? Did you know that you can also update your biography and even your picture? To keep your membership information up to date, just go to www.incose.org. On the left side, select the option to View / Update Member Record.

Schedule of *INSIGHT* Deadlines

The following is a list of upcoming INCOSE *INSIGHT* deadlines:

SUBMISSION DATE	PUBLICATION DATE	THEME	THEME EDITOR
15 February 2009	April 2009	Cognition: Pursuing the Next Level in System Performance	Steve Deal
15 May 2009	July 2009	The Interplay of Architecture, Systems Engineering, and Security	Rick Dove
13 August 2009*	October 2009	East Meets West - The Human Dimension to Systems Engineering	Leo Tin Boom (TBR)
15 October 2009	December 2009	Model-Based Systems Engineering: The New Paradigm	Rob Cloutier

*early submission date

Chapter Highlights

Outreach: *Feature Story!*

Region V INCOSE Spring 09 Conference

The conference theme for the INCOSE Spring 09 Conference sponsored by INCOSE Region V Chapters is Systems Engineering – Affordable Success. It focuses on the means and tools to lead and create processes or organizations that develop affordable systems. It is known that systems complexity has dramatically increased over the last several decades. It is therefore even more important now than in the past to develop leaders and processes to more cost effectively track development costs, calculate complexity, and leverage known solutions and techniques.

Papers in all areas of systems engineering leadership, green solutions, and complexity, cost, schedule, and performance are encouraged. Papers must be submitted in English, the official language of the INCOSE Spring 09 Conference. Students are especially encouraged to submit papers. Key dates are:

Draft Paper Submission: Monday, 22 December 2008

Acceptance Notification: Friday, 23 January 2009

Final Papers Due: Friday, 27 February 2009

More information on the conference can be found below under **Upcoming Events**.

INCOSE SoMD—Alive, Vital and Growing by Steve McKeown

We are about to embark on a very exciting 2009 season with the Southern MD Chapter of INCOSE. Our membership is up, our luncheon speaker programs and community involvement continues to be impressive, and we are key players in a Mid-Atlantic Regional Conference that will be hosted in Suffolk, Virginia in April 2009. INCOSE International has also stepped up their efforts to offer increased collaboration initiatives to positively influence the state and practice of systems engineering. Indeed, the INCOSE organization continues to be a viable and valuable professional organization to be a part of, both for personal and professional growth.

Chapter Highlights (cont.)

As with all professional organizations, there are numerous ways to participate in INCOSE efforts and fully benefit from being a participant. We offer a forum for successful practices or innovative systems engineering solutions to be showcased in a presentation format to fellow systems engineers and project leads. Our community outreach to date has included the local Science Fair, Robotics Competition, and Unmanned Air Vehicles where students at different levels get to interact with practicing systems engineering professionals. By these engagements, we have a way to demonstrate our excitement about the systems engineering field and may influence a student to continue on a career path in systems engineering. Our professional network also serves as a viable and valuable resource where you can find others that have had to solve similar problems that you may now be facing in your current projects.

If you are already involved, we thank you as the local Chapter accomplishments are a measure of your efforts and enthusiasm. If you are looking for ways to get involved, we are in the process of establishing the next Board, and we have a number of Board of Directors (BOD) and committee positions that are still in need of appointees. Think through the individual benefits that you can find in participating in upcoming INCOSE events and know that your organizations and the systems engineering community as a whole will also gain by your involvement. Specifically for BOD participation, please contact John Walker at (301) 342-2348, or via e-mail at: John.Walker@incose-somd.org.

INCOSE Southern MD Christmas Social and Membership Drive

Where: Precise Systems (behind the Tides Restaurant off of Rt. 235)

When: December 10, 4:30 to 6:30 pm

Why: Thanks to our current members, and an open invitation to those considering participation in the local INCOSE Chapter to discuss key Chapter activities and strategic direction.

Food and Beverages will be provided by INCOSE, and we hope this will be an enjoyable and relaxing way to mix a very small amount of business with a good deal of Fun!

RSVP: Dawn Jaeger at 301-757-0907, Dawn.Jaeger@navy.mil or Judy Walker at 301-342-2164, Judy.Walker@INCOSE-SoMD.org. Please let us know soonest so that we can plan appropriately for the right amount of food and drink. Hope to see you there!

Member Profile

Please welcome our new members:

Kevin Edmonds joined on 10 November. He is an Operations Research Analyst at NAVAIR. His e-mail is kevin.edmonds@navy.mil, and phone number is (301) 757-8853.

Paul Lee joined on 7 November. He is a Senior Missions Software System Engineer at Space Telescope Science Institute. His e-mail is plee@stsci.edu, and phone number is (410) 338-5043.

Member Accolades

Thanks to our Past Presidents **Mary Redshaw, Zig Rafalik, Ted Warren and Karl Geist**. They were each presented an INCOSE President's pin, along with a Teamwork pin, at our last luncheon.

Member Contributions & Support Needed

We are in desperate need of more help, more involvement, more members, and more leadership from our current members to maintain our ambitious schedule of events. Also please send news on your projects at work, on your personal or professional achievements, any notable upcoming events the membership should know about, etc. Send electronic pictures, too! We continue to request that each of the Chapter members provide us with a brief bio, so everyone will get to know you a little better. This will also make it easier to network with other Chapter members. Please include items such as where you went to school and any degrees, current and past positions, INCOSE activities,

Chapter Highlights (cont.)

and any other information you would like to share. Our newsletter can use your articles and your support. Please send all contributions to Karl Geist at kgeist@md.metrocast.net, Dawn Jaeger at Dawn.Jaeger@navy.mil, or Steve McKeown at mckeown_steve@bah.com. If you have any questions, please send an e-mail or call Dawn at 301-757-0907, or Steve at 301-862-7033. So, please consider volunteering and being part of the exciting opportunities in Systems Engineering. As current members, the Chapter Board of Directors (BOD) welcomes your feedback to the chapter's plans. Address these comments to any of the Chapter's BOD members found at the end of this newsletter. Thank you!

Upcoming Events

Probability of Program Success (PoPS) Training Seminar

Hosted by NAVAIR AIR-1.0

When: 25 November 2008, Session 1: 0900-1130 or Session 2: 1300-1530

Where: Patuxent River Base Theatre

Speaker: Mr. Bill Zimmerman, ASN(RDA) CHSENG

Info: https://homepages.navy.mil/itim/PoPS_Training_Seminar.ppt

Cost: Free

POC: Ms. Lola Scott, AIR-1.1.1, (301) 757-7228

Description: Targeted audience: Civilian, Military, and Contractor personnel responsible for PoPS Implementation Assessment. 2.5 hours may be credited towards your continuous learning points.

Southern Maryland SPIN Chapter Meeting

Hosted by SoMD SPIN Chapter

When: 3 December 2008, 1700-1900

Where: Frank Knox Building, Room 120

Theme: Six Sigma Case Studies and Lessons Learned

Speaker: NAVAIR AIRSpeed (Lean Six Sigma) Black and Master Black Belts Panel Members

Info: <http://www.somdspin.org/>

POC: Liz Burnett at 301-862-7398, Liz.Burnett@ManTech.com

Venue: Food and Refreshments

Cost: Free

Architecting with DOD Architecture Framework (DODAF)

Presented by Honourcode, Inc.

When: 8-9 December 2008

Where: Beltsville, Maryland

Info: <http://www.hcode.com/crsinfo-pte.htm>

Cost: \$990.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: Test and evaluation (T&E) provide the means to ensure that a product performs in the intended way and with the intended results. Testing starts very early in a product system development because test planning is dependent on good requirements. This course is an overview of T&E from product concept through operations, including:

- Creating good test requirements
- Test planning for complete coverage
- Test conduct during integration and verification
- Data collection, analysis, and reporting

This course provides an overview of test and evaluation (T&E) principles and methods for complex systems, including T&E tasks from beginning to end of a project. Topics include test requirements, test planning, verification and validation methods, development testing, integration testing, test conduct, record-keeping, analysis, test reporting, test data management. Course work includes a case study in several parts, practicing the techniques learned.

Drawing from decades of accumulated knowledge in system development, this course provides you with highly effective tools to use in your work. The material is augmented by examples from real-life experience, including participative examples from the attendees.

Upcoming Events (cont.)

SysML™ Information Days

Sponsored by INCOSE and the Object Management Group (OMG)

When: 8-11 December 2008

Where: Santa Clara, California

Info: http://www.omg.org/news/meetings/tc/santa_clara/special-events/SysML_Agenda.htm

Cost: \$900 (Note that INCOSE members will receive a \$100 discount on the registration fee)

POC: event_marketing@omg.org

Description: The OMG Systems Modeling Language (OMG SysML™) <http://www.omgsysml.org/> is a general-purpose graphical modeling language for specifying, analyzing, designing, and verifying complex systems that may include hardware, software, information, personnel, procedures, and facilities. In particular, the language provides graphical representations with a semantic foundation for modeling system requirements, behavior, structure, and parametrics. SysML represents a subset of UML 2 with extensions needed to satisfy the requirements of the UML™ for Systems Engineering.

The Information Days invites practitioners, tool vendors and academia to share what they have learned from their early experiences with SysML. They will share what is working, what is not, and what are the benefits, risks, and issues that need to be addressed. This event will enable those who are new to SysML to get a basic introduction to SysML and see how it is being applied. The event will enable more experienced users to learn from others and have a forum for sharing their experiences. Others can learn how SysML is being taught and how to best deploy SysML into an organization. Finally, the event will provide a look at the future directions for SysML and how it can evolve to SysML v2.0 and beyond.

Systems Engineering for Technology-Based Projects & Product Developments Course

Presented by Mr. Robert Halligan, FIE Australia

When: 8-12 December 2008

Where: Clarion Las Vegas, Nevada

Info: http://www.ppi-int.com/project_training.php

POC: 1-888-772-5174 or contact@ppi-int.com

Cost: \$2,350.00

Course Code: P006-355

Description: This course will provide a strong foundation for achieving improved results on technology-based projects. The course, already delivered to over 4,000 delegates worldwide, addresses systems engineering as it is understood and practiced in world-class organizations (developer, acquirer, and supplier). The course provides an integrated approach to the set of management and technical disciplines which combine to optimize system effectiveness, enhance project and product success, and reduce risk.

INCOSE Webinar

Hosted by INCOSE

When: 10 December at 1100

Where: Internet (by e-mail invitation)

Theme: Incremental Commitment Model

Info: www.incose.org/practice/webinars.aspx

Speaker: Barry Boehm, INCOSE Fellow

POCs: Art Pyster, Chairman of the Corporate Advisory Board

Cost: Free for members and CAB company employees

Upcoming Events (cont.)

Southern Maryland Chapter Meeting

Hosted by INCOSE SoMD Chapter in Patuxent River, Maryland

When: 10 December 2008, 1630-1830

Where: Precise Systems

Theme: Holiday Social and Membership Drive

Info: www.incose-somd.org

Speaker: N/A

POCs: Dawn Jaeger at 301-757-0907, Dawn.Jaeger@navy.mil or Judy Walker at 301-342-2164, Judy.Walker@INCOSE-SoMD.org

Venue: Food and Beverages will be provided by INCOSE

Cost: No charge to members

Description: Thanks to our current members, and an open invitation to those considering participation in the local INCOSE Chapter to discuss key Chapter activities and strategic direction. Guests are welcome!

Certified Systems Engineering Professional (CSEP) Preparation

Presented by Honourcode, Inc.

When: 20-21 January 2009

Where: Beltsville, Maryland

Info: <http://www.hcode.com/crsinfo-csep.htm>

Cost: \$990.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: The INCOSE Certified Systems Engineering Professional (CSEP) rating is a useful and coveted milestone in the career of a systems engineer, demonstrating knowledge, education and experience that is of high value to systems organizations. The certification requires passing an extensive examination based on the INCOSE Systems Engineering Handbook v3.1. This two-day course provides you with the detailed knowledge and practice that you need to pass the CSEP examination.

This course walks through the CSEP requirements and the INCOSE Handbook to cover all topics that might be on the CSEP exam. Interactive work, study plans, and sample examination questions help you to prepare effectively for the exam. Participants leave the course with solid knowledge, a hard copy of the INCOSE Handbook, study plans, and a sample examination.

INCOSE Webinar

Hosted by INCOSE

When: 21 January 2009 at 1100

Where: Internet (by e-mail invitation)

Theme: How to find information at INCOSE

Info: www.incose.org/practice/webinars.aspx

Speaker: Christian Tulodieski, INCOSE Director for Communications

POCs: Art Pyster, Chairman of the Corporate Advisory Board

Cost: Free for members and CAB company employees

Project Management Institute (PMI) Luncheon

Hosted by PMI, Southern Maryland Chapter

When: 21 January at 1130 to 1300

Where: NAS Patuxent River Officer's Club

Theme: Communications in a High Performance Environment

Info: More details forthcoming

Speaker: Mr. Vincent Mankowski

RSVP: TBD

Cost: TBD

Information on Working Groups can be found at the INCOSE web site:

www.incose.org

Advancing the Practice

→ *Technical Activities*

Upcoming Events (cont.)

2009 INCOSE International Workshop

When: 31 January – 3 February 2009

Where: San Francisco, California

Theme: Various Committees, Working Groups, and Certification Beta Test

Info: <http://www.incose.org/>

POC: PCMI, (858) 565-9921

Description: The workshop features many committee and working group meetings such as the Certification Working Group, Handbook Working Group, INCOSE Fellows, the Corporate Advisory Board, Certification Advisory Group, Certification Beta Test, etc.

INCOSE Webinar

Hosted by INCOSE

When: 18 February 2009 at 1100

Where: Internet (by e-mail invitation)

Theme: How to find information at INCOSE

Info: www.incose.org/practice/webinars.aspx

Speaker: Christian Tulodieski, INCOSE Director for Communications

POCs: Art Pyster, Chairman of the Corporate Advisory Board

Cost: Free for members and CAB company employees

Second International Conference on Model-Based SE (MBSE'09)

Hosted by the Israeli Chapter of INCOSE

When: 2-5 March 2009

Where: Herzeliya and Haifa, Israel

Info: <http://www.mbse-org.org>

POC: Prof. [Dov Dori](mailto:dori@ie.technion.ac.il), Technion, Israel dori@ie.technion.ac.il

Description: The Conference is a premier forum for the elicitation and exchange of ideas on issues and problems regarding systems engineering and its relation to the development, evolution, adoption, evaluation, and dissemination of languages, methodologies, and approaches for conceptual models of complex systems. The objective is to improve practices of Model-Based Systems Engineering by endowing this evolving discipline with missing theoretical and methodological underpinnings and improving the communication of complex systems' function, structure, and behavior among stakeholders. In addition to research and papers, the conference will feature invited speakers, tutorials, and an industrial exhibition.

Architecting with DOD Architecture Framework (DODAF)

Presented by Honourcode, Inc.

When: 31 March - 1 April 2009

Where: Laurel, Maryland

Info: <http://www.hcode.com/crsinfo-archdodaf.htm>

Cost: \$990.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: Today's systems do not stand alone; each system fits within an increasingly complex system-of-systems, a network of interconnection that virtually guarantees surprise behavior. Systems science recognizes this type of interconnectivity as one essence of complexity. It requires new tools, new methods, and new paradigms for effective system design. The DODAF provides an underlying structure to work with complexity.

This course provides knowledge and exercises at a practical level in the use of the DODAF. You will learn about architecting processes, methods and thought patterns. You will practice architecting by creating DODAF representations of a familiar, complex system-of-systems. By the end of this course, you will be able to use DODAF effectively in your work.

Upcoming Events (cont.)

Certified Systems Engineering Professional (CSEP) Preparation

Presented by Honourcode, Inc.

When: 2-3 April 2009

Where: Laurel, Maryland

Info: <http://www.hcode.com/crsinfo-csep.htm>

Cost: \$990.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: The INCOSE Certified Systems Engineering Professional (CSEP) rating is a useful and coveted milestone in the career of a systems engineer, demonstrating knowledge, education and experience that is of high value to systems organizations. The certification requires passing an extensive examination based on the INCOSE Systems Engineering Handbook v3.1. This two-day course provides you with the detailed knowledge and practice that you need to pass the CSEP examination.

This course walks through the CSEP requirements and the INCOSE Handbook to cover all topics that might be on the CSEP exam. Interactive work, study plans, and sample examination questions help you to prepare effectively for the exam. Participants leave the course with solid knowledge, a hard copy of the INCOSE Handbook, study plans, and a sample examination.

Region V INCOSE Spring 09 Conference

Hosted by INCOSE Region V Chapters

When: 2-4 April 2009

Where: Virginia Modeling Analysis and Simulation Center, Suffolk, VA

Theme: Systems Engineering – Affordable Success

Info: <http://www.incose-spring09.org>

POC: Conference Chair, Karl C. Geist at kgeist@md.metrocast.net or 301-475-5646

Description: The conference will focus on the means and tools to lead and create processes or organizations that develop affordable systems. It is known that systems complexity has dramatically increased over the last several decades. It is therefore even more important now than in the past to develop leaders and processes to more cost effectively track development costs, calculate complexity, and leverage known solutions and techniques.

Fundamentals of Systems Engineering

Presented by Honourcode, Inc.

When: 6-7 April 2009

Where: Laurel, Maryland

Info: <http://www.hcode.com/crsinfo-fse.htm>

Cost: \$990.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: Today's complex systems present difficult challenges to develop. From military systems to aircraft to environmental and electronic control systems, development teams must face the challenges with an arsenal of proven methods. Individual systems are more complex, and systems operate in much closer relationship, requiring a system-of-systems approach to the overall design.

This workshop presents the fundamentals of a systems engineering approach to solving complex problems. It covers the underlying attitudes as well as the process definitions that make up systems engineering. The model presented is a research-proven combination of the best existing standards.

7th Annual Conference on Systems Engineering Research

Hosted by Loughborough University, University of Southern California, and Stevens Institute of Technology

When: 20-22 April 2009

Where: Loughborough University, Loughborough, England, UK

Info: <http://cser.lboro.ac.uk/>

POC: r.s.kalawsky@lboro.ac.uk

Description: The primary conference objective is to provide practitioners and researchers in academia, industry, and government with a common platform to present, discuss and influence Systems Engineering research with the intent to enhance Systems Engineering practice and education.

Upcoming Events (cont.)

21st Annual Systems & Software Technology Conference (SSTC 2009)

Sponsored by United States Army, United States Marine Corps, United States Navy, United States Air Force, and Defense Information Systems Agency (DISA)

When: 20-23 April 2009

Where: Salt Lake City, Utah

Theme: Technology: Advancing Precision

Info: www.sstc-online.org

Cost: \$895 – Through 22 March 2009

\$995 – After 22 March 2009

Discounts Available:

\$100 – Military/Government (must have GS Rating or Equivalent)

\$100 – Paper Reviewer

Speaker Rate: \$395/full conference

POC: sstc-info@ext.usu.edu or (435) 797-0423

Description: The SSTC conference has elaborated on the concept behind the theme: If we look back over the past couple of years, one can conclude we haven't seen huge leaps in new technologies. Programming languages have had some stability. The probability of a new computer language being introduced, similar to the flurry around Ada's initial release, is somewhat low. What we are seeing, as far as recent advancements, are little tweaks to proven technologies which are having the effect of paying large dividends in the areas of performance, cost, schedule, time to delivery, communications, command and control, and weapons targeting, just to name a few. SSTC 2009 will focus on exploring how we, as a community, can affect Systems and Software by fine tuning technology, thus advancing the precision of technology.

Save the Dates! Conference registration opens 5 January 2009. Mark your calendar now and plan to join us for excellent, quality presentations and networking with colleagues from military/government, industry and academia.

Systems of Systems

Presented by Honourcode, Inc.

When: 9-11 June 2009

Where: Washington, DC

Info: <http://www.hcode.com/crsinfo-sos.htm>

Cost: \$1,390.00

POC: BetterSE@hcode.com, (850) 479-1985

Description: Today's environments are dominated by complex systems of systems. As a result, systems engineers now have the responsibility to create systems of unprecedented scope and complexity. These objectives are not the only challenge. The development environment for a system of systems is typically characterized by its own unique challenges, such as an extended life cycle, requirements to use legacy systems as components, and ongoing re-architecting throughout the lifecycle of the system and its component systems. Success under these conditions requires developing a sound design, managing complexity, maintaining the integrity of that design, and supporting shifting operational priorities over significant time spans while avoiding the lurking potential of chaotic conditions.

To meet these challenges, this course presents detailed, useful techniques to develop effective systems of systems and to manage the engineering activities associated with them.

Upcoming Events (cont.)

2009 INCOSE International Symposium

The 19th International Symposium -- Hosted by Region VI Chapters of Australia, Beijing, Japan, Korea, Singapore, and Taiwan

When: 19-23 July 2009

Where: Suntec International Convention and Exhibition Centre, Singapore

Theme: East Meets West: The Human Dimension to Systems Engineering

Info: <http://www.incose.org/symp2009/>

POC: ASK International Conference, is2009@askintlconference.com

Description: The theme for INCOSE 2009 highlights the dramatic expansion in the scope of contemporary Systems Engineering where the human cognitive dimension is becoming an integral part in the Systems Engineering processes. Future systems, where the machines are designed around the man, will benefit from Systems Engineering best practices and processes. Systems Engineering methodologies have been successfully applied to designing large-scale complex engineering projects that are multi-disciplinary in nature.



SoMD BOARD OF DIRECTORS

SoMD Current Board of Directors!

President	John Walker (301) 342-2348 john.walker@navy.mil
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Treasurer	Karl Geist (301) 475-5646 kgeist@md.metrocast.net
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