



SYSTEMICO

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Forward Look

September COSYSMO Tutorial

Ricardo Valerdi
University of Southern
California
Center for Software
Engineering

September 25, 2004
9:00 am - 4:30 pm

KTOS
Cedar Rapids,
Iowa

Event Details
<http://cosysmo.mollyguard.com>

October Requirements Management Software Trade Study & Rock Island Arsenal Tour

October 14, 2004
8:00 am to 6:00 pm

Departure from KTOS
Cedar Rapids,
Iowa

Event Details
<http://rockisland.mollyguard.com>

INCOSE 2005 Symposium

Calling for Tutorials, Papers and Panels

The INCOSE 2005 Symposium needs your help. The topic of the symposium is "Bridging Industry, Government & Academia"

Event Details
<http://www.incose.org/symp2005/>

President's Message

By Tony Thompson

The INCOSE Heartland Chapter, area educators, sponsors, and the Science Station, propose a one-of-a-kind project that will unite local businesses, artists and the city of Cedar Rapids for the benefit of young students and adults, Sidewalk Solar System.

Our Solar System, the sun and all nine planets, will be scaled in distance from the sun and diameter. Cast by local artisans, small spheres, representing the sun and each planet, are set into bronze plaques which will be embedded in the ground of the Cedar River Trail sidewalk, at measured locations. Written on these plaques is the planet's name, size in comparison to Earth, and distance to sun in miles. In addition, both the Greek symbol for the planet and the Roman god the planet was named for will be included.

The planet walk will begin with the sun on the corner of the corner of Science Station—McLeod/Busse IMAX® Dome Theatre along the Cedar River Trail (427 First St. SE Cedar Rapids, IA) and finish near Cedar River Trail and 12th Avenue SE Bridge.

INCOSE Zoom Zone Activity Contest

The Solar System may be a system, but there's no "engineering" to the system (it just is). As such we would like to get your ideas for hands on INCOSE activity for Engineering Week.

Prize \$50.00 Barnes & Noble gift certificate

Rules The results cannot be appealed and are final

- *Everyone is eligible to participate, members, nonmembers, and kids too. Email Jorge Buenfil submission by 10/29/04. Activity Submission Template is available on the web.*
- *The HEARTLAND CHAPTER INCOSE membership will vote for their favorite hands on activity.*
- *Scoring – Each member is eligible to vote once. The submissions first choice selected will get 3 points, the second will get 2 points, and the third will get 1 point. The hand's on activity with the most point's wins.*

September Tutorial - Constructive Systems Engineering Cost Model (COSYSMO) Tutorial by Ricardo Valerdi



Register at: <http://cosysmo.mollyguard.com>

Date	Location
September 25, 2004	Kirkwood Training and Outreach Services Center (KTOS)
Time	8:00 am - 4:30 pm
	3375 Armar Drive Marion, Iowa USA

The INCOSE Heartland Chapter is pleased to announce the Constructive Systems Engineering Cost Model (COSYSMO) Tutorial by Ricardo Valerdi from The Center for Software Engineering (CSE) at the University of Southern California (USC).

The course fee includes the course, instructional materials, workbook, adjacent parking, continental breakfast, lunch and snack.

COSYSMO employs a proven methodology developed for the COCOMO (Constructive Cost Model); the most widely used software cost model in the world.

COSYSMO is now considered the primer candidate tool for industry, government, and academia for Estimating Cost of Systems Engineering.

The Center for Software Engineering (CSE) at the University of Southern California (USC) and the INCOSE Measurement Working Group have embarked on an effort to develop a Systems Engineering Cost Model have attracted the participation of over 20 organizations including Raytheon, Northrop Grumman, SAIC, IBM, and Motorola in support of COSYSMO development.

The material presented will be a summary of the last four years of effort on COSYSMO (Constructive Systems Engineering Cost Model) by the COCOMO II research group at the Center for Software Engineering at the University of Southern California.

Cost is \$60.00 for INCOSE members, \$70.00 for non-members and \$15.00 for students.

Please register for this tutorial by Sept. 17 to avoid cancellation of this important tutorial.

Register at: <http://cosysmo.mollyguard.com>

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On the Web!
Hweb: www.incose.org/heartld
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*SYSTEMICO is published quarterly.
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To get recent Chapter announcements from INCOSE Central, Working Group subscription services, register at the following web-sites:

- Heartland Members:
<http://incose.propagation.net/mailman/listinfo/heartlandmembers>
- Heartland BOD
<http://incose.propagation.net/mailman/listinfo/heartlandbod>
- INCOSE Chapters Reflector:
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November INCOSE BANQUET

We would like to hold an INCOSE banquet in November as a social event for our chapter members and their spouses or significant others if there is enough interest. Please indicate your interest in this event by email to: jfpovacz@rockwellcollins.com

INCOSE Heartland Meeting Minutes September 9, 2004

Opening:

The regular meeting of The Heartland Chapter BOD was called to order at 12:00 on September 9, 2004, in build 108-101 (Post C-20) Advance Packaging C.R. (Rockwell Collins C Avenue Complex)

Present:

Tony Thompson – President, John Povacz – Treasurer, Jorge Buenfil – Chair, Communications Committee

A. Approval of Agenda

The agenda was unanimously approved as distributed.

- 1) Review and approve meeting minutes from last time.
- 2) Monthly Programs –
 - a) November – Member Banquet Survey (Jorge)
 - b) December – Bye Month
- 3) Old Business
 - a) Status – In Progress 2005 Heartland Programs – Walid
 - b) Status – In Progress US Mail Non-Profit Meter – Lisa
 - c) Status – Newsletter Issue 4 – Almost completed will be sent out Friday, September 10, 2004 (Jorge)
 - d) 2005 Engineering Day at Science Station –
 - i) Review and approve INCOSE Zoom Zone Activity has been tabled. Membership Contest will be announced via Issue 4 newsletter. Membership Submission Deadline Oct. 29, 2004. Selection per contest rules on December 2004.
 - e) INCOSE and Science Station Solar System Project \$2,000 has been approved for project.
 - f) Review and approve Science Station Solar System Project has been approved.
- 4) Committee Reports
 - a) 2005 AOP – John 2004 status and 2005 projections, best value for money in accounts
 - b) Chapter Membership Plan Status - In Progress – Ray
 - c) Overview and Transition of Circle Award responsibility to Vice Present Role - Ray
- 5) New Business
 - a) John Povacz will be attending ICSE & INCOSE Joint 2004 Conference on “Synergy Between Systems Engineer and Project Management” Alexis Park Resort, Las Vegas, Nevada, USA

B. Approval of Minutes

Minutes of the previous meeting was unanimously approved as distributed.

C. Open Issues

- 1) **Help Wanted – INCOSE Heartland Eastern Iowa Science & Engineering Fair (EISEF) Coordinator**
 - a) **Purpose:** Starting in 2005, a yearly INCOSE Heartland Award will be awarded to EISEF participants to 12th graders whose work exemplifies the definition, understanding, and practice of world class systems engineering in industry, academia, and government. If interested send email to: rwjorgens@RockwellCollins.com
 - b) **Award:** INCOSE Heartland Award - \$250 Savings Bond
 - c) **Criteria:** The criteria for this award needs to be defined.
 - i) **(25%) Application & Essay (50-150 words)**
 - ii) **(50%) Event Day Interviews**
 - iii) **(25%) Exhibit**
 - d) **Coordinator Role:**
 - i) Act as the award coordinator and liaison between INCOSE Heartland and EISEF Board of Directors
 - ii) Develop and maintain Award Criteria
 - iii) Communicate and raise awareness of the Award

D. New Business

None presented.

E. Agenda for Next Meeting

Meeting place - Build 108-101 (Post C-20) Advance Packaging C.R. (Rockwell Collins C Avenue Complex)

- Old Business
- Committee Reports
- New Business
- Winter Banquet
- **Adjournment:**

Meeting was adjourned at 1:00 pm by Tony Thompson

Minutes submitted by: Jorge Buenfil

Approved by: Tony Thompson