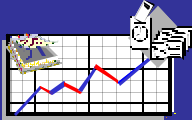


INCOSE Heartland Chapter



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Forward Look

MARCH

Object Oriented
Systems
Engineering
Methodology
(OOSEM)
Tutorial

9 am - 5 pm
Cedar Rapids,
Iowa

Saturday, March
27, 2004

APRIL

Iowa State
University
Simulator Tour

Ames, IA

President's Message

Congratulations Heartland for a job well done. It was through dedicated membership, friends, and leadership that the INCOSE Heartland Chapter was recently awarded the Silver Circle Award.



This award recognizes chapters that meet and exceed INCOSE's standards for local service and contributions.

The Heartland is the only chapter in Region I to have received such an award. The Northwest North America Region I includes U.S. states of AK, IA, ID, KS, OR, MO, MN, MT, ND, NE, SD, WA, WY Canadian provinces of NW territories, BC, Alberta, Saskatchewan, and Manitoba.

There are three levels, Heartland had 6498 points

- Gold Circle 8,000 points
- Silver Circle 5,000 points
- Bronze Circle 2,500 points



[Printable View is Available Online!!!](#)

Newsletter Naming Contest

Prize \$50.00 Barnes & Noble gift certificate

Rules The results cannot be appealed and are final

- Every HEARTLAND CHAPTER INCOSE member in good standing (dues paid as of 3/15/04) is eligible to participate
- The HEARTLAND CHAPTER INCOSE membership will vote for their favorite names by emailing Jorge Buenfil (JRBuenfi@RockwellCollins.com) of their preference order by **4/16/04**.
- **Scoring** - The first name you select will get 3 points, the second name you select will get 2 points, and the third name you select will get 1 point. The name with the most point's overall wins
- The list of name choices is:
 - "Communication System"
 - "Discovery"
 - "Elucidation"
 - "Elucidator"
 - "Enginews"
 - "Heart Beats"
 - "Heartland Headlines"
 - "Heartland Kernel"
 - "Heartland Wire"
 - "Heartlander"
 - "It's News to Me"
 - "News from the Heartland"
 - "Newssys"
 - "Solutions"
 - "SPECS-Systems and Process Engineering Communication Source"
 - "Synergizer"
 - "System Addict"
 - "System Circulation"
 - "Systemico"
 - "The Heartland Herald"
 - "The Systems Approach"

Mailing Address
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52410-0012

On the Web!
Hweb: www.incose.org/heartld
eMail: heartlandbod@incose.propagation.net

Newsletter is published bi-monthly.
Send articles and suggestions to
JRBuenfi@RockwellCollins.com

Object Oriented Systems Engineering Method Tutorial

[REGISTER HERE](#)

The Heartland Chapter of the International Council on Systems Engineering (INCOSE) will host an all-day tutorial on **Object Oriented Systems Engineering Method (OOSEM)** on **Saturday, March 27**, from **9 a.m. to 5 p.m.** at the Kirkwood Training Center. The tutorial will be conducted by **Sanford Friedenthal, Lockheed Martin**. Members and non-members are welcome to attend. **Registration is required.** For registration and additional information on this and other events, visit the INCOSE Web site at <http://www.incose.org/heartld/>

This method utilizes a top down systems approach, in conjunction with Object Oriented (OO) concepts and adaptations of the Unified Modeling Language (UML) to model systems-level requirements and design. A major goal of OOSEM is to exploit object oriented techniques for specifying and designing complex systems, and to ease integration with object-oriented methods for software engineering. Early applications have shown promising results. This tutorial will introduce participants to the OOSEM method by describing basic object-oriented concepts, system level activities, and how UML is adapted to address system level concerns. Important concepts and issues will be illustrated by application to a sample problem.

International Workshop (IW2004)

By John Povacz

The IW2004 was conducted January 27-31, in Portland, Oregon. Below is a briefing on activities. Corporate Advisory Board (CAB) - Numerous agenda items were addressed.

A few highlights include:

- CAB Agenda 2006 Themes (High Value SE Products and Services for INCOSE, Outreach, Organizational Development)
 - Plans for an initial "Executive Summit" to be conducted at the Symposium 2004, Toulouse, FR. where Senior Level (VP and higher) Engineering Executives are to discuss SE issues, and provide feedback on CAB products and activities.
 - Status review on INCOSE SE Products (SE Handbook v2.0, SEBOK, SE Certification, INCOSE Website)
 - Status review on all INCOSE Technical Boards, and top 5 products and activities for 2004 requiring active membership participation and support.
 - Presentation by General Dynamics Advanced Information Systems (GDAIS) Enterprise-wide Process definition. GDAIS has experienced difficulties in gathering, documenting, and roll-out of the process and related assets.
 - A briefing was given on the status and projected establishment of the INCOSE Foundation. The goal is to be ready by IW 2005, and it is currently progressing, however many questions were raised relating to US federal tax implications.
 - Symposium 2004 presentation - Keynote speakers will be the Airbus Vice-President of Concurrent Engineering and another speaker from the NASA Space Exploration Department
- International Symposium 2004 - Tutorial Selections, Technical Panel Selections, and Technical Paper Review is complete. There will be 8 pay, and 4 free, tutorials available, 6 of the 14 proposed Technical Panels, and 156 Technical Papers. The technical paper selection process was very competitive this year, of the 255 technical papers submitted, 185 technical papers scored greater than the minimum 15 points, in addition, 30 are poster papers, and 2 are invited speaker papers, all being down-selected to the total of 156 in the allotted symposium timeframe. Authors will be notified this month and requested for a final submittal for publication.
 - System Engineering Management Working Group (SEMWWG) - Accepted an action to submit a draft System Engineering Management Plan (SEMP) strawman for working group review. All working group members agreed to focus SEMP development on the "what's" and not the "how's". Tentative SEMWWG is scheduled for Toulouse during the Symposium 2004.
 - Heartland Chapter - Plans were formulated at the IW2004 to conduct a joint meeting with the INCOSE CrossRoads Chapter (Indiana), to be held at the Rock Island Arsenal, Moline, IA to encourage greater engineering participation and to begin discussion on AoS2005 planning activities.



2005 Avenue of
the Saints
Conference on
Systems
Engineering
Cedar Rapids,
Iowa

March 8-10,
2005



COSYSMO
Tutorial

9 am - 5 pm
Cedar Rapids,
Iowa

Saturday,
September 25,
2004



Rock Island
Arsenal Tour

? am - ? pm
Rock Island, Illinois

TBD, August TBD,
2004

INCOSE Heartland Chapter



Engineering is the art of organizing and directing men and controlling the forces and materials of nature for the benefit of the human race.
Henry G. Stott

The cloning of humans is on most of the lists of things to worry about from Science, along with behavior control, genetic engineering, transplanted heads, computer poetry and the unrestrained growth of plastic flowers.
Lewis Thomas

Engineering is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings homes to men or women. Then it elevates the standard of living and adds to the comforts of life. This is the engineer's high privilege.
Herbert Hoover

Palindromes: Coming and Going

By George Lennox, Mensa

All the answers to this quiz are words or names that are spelled the same backwards as they are forwards.

- 1) Time after A.M. and before P.M.
- 2) Electronic device for detecting storms, speeders, and enemy aircraft.
- 3) A device for finding a horizontal line.
- 4) An Eskimo (or Inuit if you want to be up-to-date and politically correct) boat.
- 5) Inhabitant of a particular Pacific island rich in phosphates.
- 6) Sergeant Snorkel's dog in the Beetle Bailey comic strip.
- 7) Familiar nickname for button-down comedian Newhart or Flame calendar editor Haley
- 8) District and village in northwestern Scotland, near Isle of Skye.
- 9) Having the tartar removed, as from wine
- 10) British affectionate term for mother and also a short form of the name of a showy perennial flower.
- 11) A small apron for a baby or someone dining on lobster
- 12) A joke or prank or to prevent from speaking



(Answers to the palindromes: in page 4)

Meeting Minutes for March 4, 2004

Opening:

The regular meeting of The Heartland Chapter BOD was called to order at 12:00 on March 4th, 2004 in Rockwell Collins Bldg 192, Wisconsin CR by Tony Thompson, President.

Present:

Tony Thompson – President, Ray Jorgensen – Past President, Walid Shawbaki – Vice President-President Elect, Bernie Lettington – Treasurer, and 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. Next Month Newsletter Status
3. March Tutorial Status
4. Chapter Financial Health
5. Review and approve meeting minutes from last time.
6. Next Month Newsletter Status
7. March Tutorial Status
8. Chapter Financial Health

B. Approval of Minutes

The minutes of the previous meeting were unanimously approved as distributed.

C. Open Issues

1) Newsletter feedback:

- a) The newsletter draft was presented and various suggestions for changes/improvements were made.
- b) Jorge will circulate the final draft to the BoD for their review by March 12, 2004.

(Continued in next page)



**2004-2006
Board of Directors**

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President Elect**

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Past President

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**Chair, Program
Committee**

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**Chair, Membership
Committee**

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**Chair,
Communications
Committee**

Jorge R Buenfil
Rockwell-Collins, Inc.
rbuenfi@RockwellCollins.com
Phone: 319-295-9326

Meeting Minutes for March 4, 2004 (continued...)

2) March UML Tutorial Action Items:

- a) Ten participants have already registered and payed using PayPal.
- b) Ray Jorgensen will distribute courtesy passes to Rockwell's Chief Engineers and other VIPs.

3) Chapter's financial Health

- a) Bernie reported that the chapter has positive balance in account.
- b) Bernie will look at ways to obtain a better return for money other than checking account.
- c) Bernie will provide an Annual Operating Plan at the next BOD. Heartland AOP will be in step with INCOSE Central Financial Calendar.
- d) It was agreed to present \$250.00 as an INCOSE special award to a chosen participant at the Eastern Iowa Science & Engineering Fair starting in 2005. The criteria for this award needs to be defined. We need a volunteer to act as the award coordinator. Initially, we are looking at limiting the award participants to 12th graders.

4) Chapter's Guide modifications

- a) More detailed job descriptions will be added to the chapter guide
- b) The possibility of adding those changes to the bylaws was discussed, but it was agreed that the bylaws did not need to be modified with these changes.

D. New Business

None presented.

E. Agenda for Next Meeting

Next BOD meeting will be at an offsite location, pending reservations, either Granite City or Carlos O'Kelly's. All membership and friends are invited. BOD members are highly encouraged to bring someone.

- 1) Old Business
 - a) Status - 2005 INCOSE Heartland Programs – Walid
 - b) Status - US Mail Non-Profit Meter - Lisa
- 2) Committee Reports
 - a) Tutorial Report Out – Ray
 - b) AOP – Bernie
 - c) 2005 AOS – John
 - d) Chapter Membership Plan – Ray
- 3) New Business
 - a) Overview and Transition of Circle Award responsibility to Vice Present Role
 - b) 2005 INCOSE ZOOM Zone Activities for 2005 NEW

Adjournment:

Meeting was adjourned at 12:50 pm by Tony Thompson
Minutes submitted by: Jorge Buenfil

Members Only Area

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](#)

http://groups.yahoo.com/group/incose_chapters/

[Post Message](#)

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[Unsubscribe](#)

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[List Owner](#)

mailto:incose_chapters-owner@yahoogroups.com



Before your dreams can come true, you have to have those dreams.

Answers to quiz on page 3: 1) noon 2) radar 3) level 4) kayak 5) Nauruan 6) Otto 7) Bob 8) Glenelg 9) detartrated 10) mum 11) bib 12) gag