



# CHESAPEAKE CHAPTER INCOSE

International Council on Systems Engineering  
P.O. Box 6993, Columbia, MD 21045-6993

## PRESIDENT'S MESSAGE

Membership Survey (Source: Donna Rhodes, INCOSE Director for Strategic Planning, rhodes@incose.org.– Summary from Article in INSIGHT).

The INCOSE Survey completed as scheduled with a total of 1,160 members responding to the survey, representing a response rate of 30% of the survey invitees. Members in every region responded. The response rates within the regions were: Region I – 30%, Region II – 27%, Region III – 23%, Region IV – 29%, Region V – 27%, and Region VI – 36% of invited members. There was participation from each chapter from a low of 5% to a high of 60% participation (by Texas Gulf Coast Chapter). As a small incentive for participating, at survey completion INCOSE randomly selected five names from respondents to receive a free digital camera – the winners were: Per Morton Birkelund (NORSEC), William Carter (Crossroads), Kyle Kenney (San Diego), David Reed (WMA), and Henry Tse (UK).

Survey respondents offered hundreds of comments and recommendations which all of the INCOSE leadership groups will be reviewing. This report summarizes some of the survey results and a few selected comments. A full report including additional survey comments will be available on the INCOSE member website. Members offered these thoughts on the positive aspects of INCOSE:

- INCOSE is one of the few organizations to represent Systems Engineering as an important professional activity, nationally and internationally. I think it does this extremely well.
- INCOSE still the best forum for systems engineering and systems thinking - although we do not get as much press as other organizations.
- If one is a serious systems engineer, you really need to be a member of INCOSE.

This report summarizes preliminary findings of the survey. Additional analysis and review of the survey results is underway by the leadership groups across INCOSE.

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## Autumn 2003



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## DESIGN A MUG



## Deadline Extended

To 11-3-03

Design a mug for the Chesapeake Chapter of INCOSE. Winner will receive the first cup off the production line and two coupons redeemable for free dinner at Chapter Meetings.

## It's Your Chapter!

Submit designs to  
Ms. Suzette Johnson  
suzette.johnson@ngc.com.

**PRESIDENT'S LETTER CONTINUED:**

Thanks to all those members within the Chapter who responded to the survey.

**Ambassadors Program:**

The President, in concert with the Board of Directors, has established Ambassadors with all local companies represented in the Chesapeake Chapter who will be the POC between our Chapter and their respective companies. The role of these Ambassadors is to publicize the Chapter's events, potentially offer their company facilities for Chapter events as well as potentially subsidizing some of the Chapter's events. The President will be more than willing to offer his services to provide a briefing to any respective company on the benefits of membership with INCOSE and/or how to become a Corporate Advisory Board member of INCOSE. E-mails have been sent to each selected Ambassador as of 15 August 2003 with the request to notify me if they are not willing to be an Ambassador for the Chapter. Thanks in advance to all of you who are willing to be Ambassadors for the Chapter.

**Sustained Membership Awards:**

As announced in the Summer Newsletter, sustained members will be presented their certificate of sustained membership at the September monthly meeting. Affected Members should have received an e-mail inviting them to the presentation.

**International Level of INCOSE—Election Candidates:**

I am proud to announce that Steve Sutton, current Past-President of Chesapeake Chapter, has accepted the nomination to be a candidate to represent Region V on the International Member Board. For those of you who do not know, the Member Board is one of the major governing entities of INCOSE and provides the member view to the INCOSE Board of Directors and well as works to provide members and chapter services to enhance their careers or chapter programs respectively. Please cast your vote for Steve on the ballot.

(Letter continued on next page . . . )

**BOARD OF DIRECTORS****Mr. Jim Chism, President**

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**Mr. Stephen Sutton, Past President**

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**Membership****Mr. Bill Düster, Director at Large**

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## PRESIDENT'S LETTER CONTINUED:

### Goals for 2003:

My current plan is to show the status in each newsletter for each of the goals that were established for 2003 by the current board.

1. To establish an increased awareness of our members by establishing membership recognition for long term (10 yrs) members and an SE award to chapter members (criteria needs to be established). Any additional ideas are welcome, please contact your board of directors.
  - ◆ This year's sustained members effort will be completed with the Awards being presented at the Sept 2003 Monthly meeting.
  - ◆ Work has begun on the SE of the Year award to determine the criteria, contact local companies to inform them of the award, and to generate a schedule of events leading to the selection of the SE of the year.
2. To establish a periodic newsletter to keep our membership informed.
  - ◆ First issue in Summer 2003
  - ◆ Fall issue here with
3. To establish more involvement of our local Corporate Advisory Board (CAB) Companies in the day-to-day operation of the Chapter.
  - ◆ INCOSE Briefing provided to TITAN on 5 June 2003
  - ◆ Ambassadors Program underway.
4. To foster a free and open exchange of ideas amongst the INCOSE Chapters so that we can all benefit from the best of the best.

If you want to contact me, my e-mail address is [chism2000@netzero.net](mailto:chism2000@netzero.net). All other director's e-mail addresses and phone numbers can be found at your chapter's web site: <http://www.incose.org/chesapek/> and on the adjacent panel of this page.

*James B. Chism*

President



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## IT'S YOUR CHAPTER



Do you have any suggestions, comments or even gripes about the Chesapeake Chapter of INCOSE? The Board of Directors would be glad to hear them. The Chapter can be improved in ways that appeal to the members only if the Board knows what improvements the members want. So contact any of the officers or directors, and let them know what you think. Contact information appears on the second page of this newsletter.

## 2003 Chesapeake Chapter Program Schedule

### Theme: Current Principles and Updates for Systems Engineers

Month	Day	Day of Week	Type of Meeting Location	Topic Presenter	Status
January	22	Wednesday	General Meeting Installation of Officers Columbia Hilton	Semiotics Dr. Joe Carl	Completed
February	19	Wednesday	Presentation Applied Physics Laboratory	Continuous Risk Management Process Mr. Roger Evans	Completed (March 5)
March	19	Wednesday	Presentation Boeing Facility	Congressional Views on the Benefits of SE Ms. Beth Larson & Mr. Riley Perdue	Completed
April	16	Wednesday	Presentation Applied Physics Laboratory	Change Request Driven System Design Process Dr. Peter Hoffman	Completed
May	21	Wednesday	Presentation Titan Facility	N-Squared Based Analysis Ms. Colleen Calimar & Mr. John BeVier	Completed
June	18	Wednesday	Presentation Titan Facility	Systems Engineering at NSA Mr. Kelly Miller	Completed
July	16	Wednesday	No Monthly Meeting	13th Annual International Symposium June 29 - July 3, 2004	Completed
August	20	Wednesday	Presentation	USE of UML in Modeling Enterprise and Systems Architecture. Mr. Gundar Osvalds	Completed
September	17	Wednesday	Presentation	Web-Centric Enterprise Architecture Dr. Paul North	Completed
October	15	Wednesday	Presentation	Use of Knowledge Modeling to Characterize the NOAA Observing System Architecture Mr. James Martin	Scheduled
November	19	Wednesday	Presentation	Homeland Security and Defense Mr. Anthony Difurio	Scheduled
December	17	Wednesday	Social—Holiday Event	TBD	Tentative

## INCOSE Chesapeake Online Member Directory – Who's Who?

### **Robert Hicks**

If you are anything like me, you can recall myriad details about the complexity of a system under development, relationships and interfaces between components, etc. But ask me to remember a name longer than the duration of the moment it is first conveyed and I will routinely disappoint you. I am often relegated to returning most early relationship greetings with the generic "Hi, how are you! Good to see you again!", all the while thinking "What was that guy's name anyway?"

For that reason, it occurred to me that it would be a wonderful tool to have the INCOSE Chesapeake Chapter membership information as close as my

For that reason, it occurred to me that it would be a wonderful tool to have the INCOSE Chesapeake Chapter membership information as close as my Internet web browser. To find out who that lady was who said the brilliant and insightful thing at the last meeting, all I need to do is flip through the online directory until I find the face I'm looking for.

Just such a directory service has been established for the benefit of the Chesapeake Chapter INCOSE members. The directory can be accessed with your web browser from the INCOSE Related Links page. You'll need to obtain the directory username and

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Robert Hicks  
877-225-4321 (pager)  
[robert.hicks@bitSync.com](mailto:robert.hicks@bitSync.com)

## Busy Summer for Model Rockets at Goddard Space Flight Center (GSFC)

By Tom Bagg

Tom Bagg, a member of the INCOSE Chesapeake Chapter, and of NARHAMS (National Association of Rocketry Headquarters Astro Modeling Section,) supported several model rocket special events at the GSFC Visitor Center this summer in addition to the monthly open launches. Model rocketry events at Goddard address NASA's mission to "Inspire the Next Generation."

Fifty-six Girl Scouts built and launched model rockets as part of a regional Girl Scout summer Space Camp on July 29, 2003. The girls built their Estes Alpha III rockets in the morning, took a tour of GSFC, and then launched their rockets in the evening. Tom Bagg, Jim Surachi, and Richard Hickok helped the Scouts prepare their rockets for launch, and then Jennifer Ash-Poole operated the Launch Control. A few parachute separations occurred, but all rockets were successfully recovered. The Scouts extended their activities into an overnight in the GSFC Visitor Center.

The next morning on July 30, 2003, Tom Bagg provided a demonstration model rocket launch to fifteen public school teachers in the GSFC SUNBEAMS, teacher internship program. Tom demonstrated several different rocket models with three different recovery methods and . . .



### **Busy Summer for Model Rockets . . . *Continued***

four different engine sizes. Model rocket engines come in graduated sizes starting with 1/2 A and going up the alphabet. Each letter size indicates twice the total impulse power of the prior letter. Tom launched the Invader, Fire Streak, Alpha III, and Generic E2X rockets on A-size engines. He then launched a Generic E2X on a B engine, a Big Bertha on a C engine, and a Phoenix scale model on a D engine. All these rockets are from Tom's personal collection, including the Big Bertha, which Tom built 40 years ago! The Invader demonstrated featherweight tumble recovery, the Fire Streak demonstrated streamer recovery, and the rest all demonstrated parachute recovery. Surachi, and Tom helped with the second session. Nick ran the third session. It was quite a job getting all those balsa fins to stick on and stay straight. The next morning, a crew prepared the tiger tail igniters, repaired rockets, and repacked streamers to prepare the rockets for launch. Alan Williams and Jennifer Ash-Poole kept the rockets zipping off the pad; Tom Bagg did a final safety check and supervised loading the launch rails; Andrea Poulin organized the campers into groups for launch; Doug Pratt and son Brian repaired rockets as needed and provided extra igniters; and Morgan Bagg was a big help running between groups with supplies and messages.

Doug Pratt, Pratt Hobbies, provided Quark Star kits and Quest motors.

DJ Emmanuel and Maurice Henderson of the GSFC Visitors Center provided assistance.

Many thanks to all those that came to help.



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## **CHESAPEAKE CHAPTER DINNER EVENT AT INCOSE 2003**

### **Chapter Dinner a Success!**

Steve Sutton, Dinner Chair and Past President for 2003

Dance floor, DJ, gourmet buffet dinner, tables festooned with candy kisses, and good company created a relaxing and enjoyable evening for the Chesapeake Chapter Dinner held on July 1 at the INCOSE International Symposium. Twenty-seven chapter members and guests took advantage of this nearly-free event. They got acquainted over drinks as our DJ played music upon request. Then, they sat down to a delicious multi-course dinner capped with scrumptious desserts. Our special guest for the evening, Mr. David Long, Chair of the INCOSE Member Board and a frequent visitor to our chapter monthly meetings, praised your Chesapeake Chapter for its fine programs, friendly atmosphere at its meetings, its innovations, and its membership growth. Dave pre-presented to us our two awards (given the following evening at the symposium banquet): the Silver Circle Award based on the quality factors in our annual report and the Directors Award as the Most Improved Chapter for 2003 (also based on our annual report). We concluded the dinner with door prizes where Trina Park and Sally Duster won INCOSE 2003 shirts and Mark Walker won a gift basket of gourmet foods.

Steve Sutton, Master of Ceremonies for the evening, thanked the officers for their assistance in planning for the dinner and for their award-winning activity while he was 2002 President, Ed Cobb for handling all the bill paying, and Bill Lakner for engaging the DJ.

Your Board of Directors, hope that all who attended enjoyed the evening, and they look for more members to take advantage of future chapter funded events.



# 14th Annual International Symposium

4th European Systems Engineering Conference  
International Council of Systems Engineering




## Systems engineering managing complexity and change

► Congress Center Pierre BAUDIS - TOULOUSE - FRANCE

20th to the 24th of June

**REGISTRATION DEADLINE: 2004 May 10**

After this date, registrations will be processed on-site.

Late registrants will not be included in the Symposium List of Participants.

THE INCOSE 2004 INTERNATIONAL SYMPOSIUM SCHEDULE AND EVENTS :

- ◆ Registration Deadline Early registration deadline : May 10, 2004
- ◆ INCOSE Leadership and Saturday, 19 June 2004 - Thursday, 24 June 2003

### Technical Community Meetings

- ◆ Optional Tutorials: Monday, 21 June 2004
- ◆ Optional Academic Forum: Monday, 21 June 2004
- ◆ Exhibit Hall: Monday, 21 June 2004 - Thursday, 24 June 2004
- ◆ Ice Breaker Reception : Monday, 21 June 2004
- ◆ Symposium Technical Program Tuesday, 22 June 2004 - Thursday, 24 June 2004
- ◆ Symposium Banquet in a century Wednesday, 23 June 2004  
18th castle

### TECHNICAL PAPER PROGRAM SCHEDULE, NOW ONLINE! ◆

#### PROGRAM TRACKS :

- ◆ Complexity and change - SE applications today
- ◆ Future trends and predictions in SE
- ◆ Diversity of SE in distributed and multicultural environments
- ◆ Integrated disciplines and technology
- ◆ SE education and research
- ◆ SE life cycle processes and system effectiveness
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#### CALL FOR PAPERS A4 or Letter

- o Paper Instruction
- o Manuscript Template

#### **IMPORTANT DATES:**

- Draft Paper Submission: Monday, 17 November 2003
- Acceptance Notification: Friday, 14 February 2004
- Final Papers Due: Friday, 19 March 2004

Contact : Terje FOSSNES (tefosne@online.no), chair or Michel GALINIER, co-chair.

Send papers to [incose@pcmisandiego.com](mailto:incose@pcmisandiego.com)

**Additional INCOSE 2004 Information can be found at the website:**

**[www.incose.org/symp2004](http://www.incose.org/symp2004)**



**CHESAPEAKE CHAPTER**