



Presidents Corner – April 2006

Ms. Carol Ann Hutchinson

As incoming president of the Chesapeake Chapter of INCOSE, I am honored by the opportunity to serve — and just a little anxious that I have the “right stuff” to follow in my predecessors’ footsteps since they set a very high standard! Chartered in 1994, the Chesapeake Chapter is a very active chapter ... winning the prestigious **Gold Circle Award** in 2005 for the 4th year in a row!



**Ms. Carol Ann Hutchinson,
NGIT/TASC. CC President**

On January 18th the 2005 Chesapeake Chapter President and 2004 System Engineer of the Year, Mr. John Thomas, presented our **2005 System Engineer of the Year award** to Mr. James B. Chism, JHU. Jim Chism is both a distinguished practitioner of



**Mr. James B. Chism
2005 CC SEY**

systems engineering and a teacher of future systems engineers. His INCOSE activities include 2003 President of the Chesapeake Chapter, founding chair of the Object-Oriented Systems Engineering Methods working group, co-chair of the INCOSE Systems Engineering Handbook, V-3, and co-chair of the 2004 Mid-Atlantic Regional Conference (MARC). This year he has volunteered to revive this newsletter for the Chesapeake Chapter. Look for our nomination notice for the 2006 SEY award and consider throwing your hat in the ring for that award later this year.

Also on January 18th the 2002 Chesapeake Chapter President and current NGIT/TASC INCOSE CAB representative, Mr. Steve Sutton installed the **2006 slate of officers** and directors at a ceremony marking our first chapter meeting of the year. The current Chesapeake Chapter officers include: President Ms. Carol Ann Hutchinson, NGIT/TASC; President-Elect Mr. Robert Levin, Booz Allen Hamilton; Past-President Mr. John Thomas, Booz Allen Hamilton; Treasurer, Mr. Dave Griffith, NG/ES; Secretary Ms. Margaux Webster, Booz Allen Hamilton. Directors at Large include: Communications: Mr. John Lewis; Programs: Mr. James Starkey, NG-MS and Ms.

Dannette Tinnin, IES; Membership Committee: Ms. Ann Marie Vourlos, Booz Allen Hamilton. I wish to thank all these folks for committing to another year of service for the Chesapeake Chapter. Look for our notice in August requesting nominations for expired terms to include: President-Elect, Treasurer, Secretary, Membership Director, and Communications Director.

In January 2006 several Chesapeake Chapter officers and members attended the **2006 INCOSE International Workshop** in Scottsdale, Arizona, USA. They were joined by over 230 working group members and leaders from across INCOSE to work together on current projects and new initiatives. INCOSE's International Workshop is the event of the year for systems engineers to contribute to the state of the art. Unlike INCOSE's annual International Symposium and other conferences, there are no paper or panel presentations. Instead, attendees spend four days immersed in a vibrant community of fellow systems engineers who are there to make a difference. Systems engineers at all levels and from all backgrounds are encouraged to engage in working sessions, and contribute their knowledge and experience to take the discipline forward. All presentations from the 2006 IW are posted in the [Members Area](#) of the INCOSE webpage. Consider attending this event next year.

The **Sixteenth Annual INCOSE International Symposium** will be held in Orlando Florida from July 9th to 13th 2006. The theme "Systems Engineering:

Shining Light on the Tough Issues" applies to the broad scope of Systems Engineering and how systems engineering activities in commercial, academic, and government environments are converging on new best practices and novel technologies and methodologies. Many fine papers, panels, and tutorials covering case studies, developmental work and technical analysis will be presented at this event including one by Chesapeake Chapter member Gundars Osvalds who will preview his paper "Use of Architecture for Engineering Systems: The Good, The Bad, and the Ugly" at our monthly chapter meeting in June. You should consider attending the IS as well. For more information checkout the IS webpage at <http://www.incose.org/symp2006/>.

Volume 8, issue 2 of INCOSE *INSIGHT* will reach members in early April. This special issue by the INCOSE Fellows includes: 18 articles on the technical vision of systems engineering, and 12 articles on the intellectual content of systems engineering. INCOSE members also enjoy online access to the *INSIGHT*. Visit the [Members Area](#) to view INCOSE *INSIGHT* today.

The **Technical Measurement Guide** providing information on implementing technical measurement on a project is now available for download from the INCOSE website in the [Products and Publications area](#). The Technical Measurement Guide is the result of a joint project that was conducted between the Practical Software and Systems Measurement (PSM) project, the INCOSE, and various companies, particularly Lockheed Martin. Technical measurement includes Measures of Effectiveness (MOEs), Measures of Performance (MOPs), and/or Technical Performance Measures (TPMs), as well as their relationships to Key Performance Parameters (KPPs).

In recognition of the value of the more senior members of INCOSE and in attempt to retain these members as they reach retirement age with the resultant potential drop in income, INCOSE has introduced a new category of membership called **Senior Members**. Individual members qualify for the Senior Category if they are at least 64 years of age at the start of the membership year (June 1) and have maintained their individual membership for the five membership years prior to applying for the Senior Category. Senior members also receive a 50% discount on their registration and other program fees for the International Symposium, and the registration fee for the International Workshop is waived. Please

note that, if you take advantage of this offer, you will have access to the Journal and *INSIGHT* via the INCOSE website only. Those members who intend to seek Senior member status and take advantage of the discounted fees at the International Symposium must renew their membership prior to registering for the symposium. Senior member status must be confirmed by the Central Office before individuals can register at the discounted rate.

Finally, our monthly program meetings which are held on the 3rd Wednesday evening of each month at JHU/APL. In December we will have our annual holiday party which includes fine food, door prizes, and the 2006 SEY award presentation. We also plan to host two tutorials this year. Watch the website for further information. Our BOD meets on the 2nd Wednesday evening of each month at 5:30pm in CR1100 at Booz Allen Hamilton NBP134 in Annapolis Junction, MD. ***Our BOD meetings are open to all members. Please join us if you would like to help with the running of your chapter.***

Monthly Meetings - 2006

Jim Starkey and Dannette Tinnin, Programs Committee

Location of monthly dinner and meeting is the APL/JHU facility on Johns Hopkins Road (Directions are in the flyer which is posted on our website – <http://www.incose.org/chesapek>).

Jan 18 Wed "The use of rapid application design and deployment tool to support Systems Engineering". Mr. Dale Yamatani.

Feb 15 Wed: "The role of system architecture in system development", Mr. Richard Taylor

Mar 15 Wed: "How the data Model is Integrated into Enterprise Architecture", Mr. George Dobbs.

Apr 19 Wed: "Mission Engineering TM (ME): An Integrated Transformational Business Analysis and Requirements Analysis Approach", Mr. Don Schaefer.

May 17 Wed: "...So What Does Dilbert Know About Standards", Mr. Michael Greico.

Jun 21 Wed: "Use of Architecture for Engineering Systems; The Good, The Bad, and The Ugly", Mr. Gundars Osvalds.

Jul 19 Wed: "Avoiding Unintentional Consequences of Personal Performance Measures", Mr. David Quinn

Aug 16 Wed: TBD

Sep 20 Wed: TBD

Oct 18 Wed: TBD

Nov 15 Wed: TBD

Dec: TBD: Annual Chapter Holiday Dinner and Presentation of the Systems Engineer of the Year Award.

Nominations!

John Thomas, Past President

We are looking for nominations for Officers and Directors for the Chapter. This year we need nominees for the following expired terms: President-Elect, Treasurer, Secretary, Membership Director, and Communications Director. If you wish to serve the chapter in any of these positions, please contact John Thomas, Past President, via phone at (703) 902-7087, or by e-mail: thomas_john@bah.com.

If you would like to know more about the responsibilities for these positions, please check our web site and download the Chapter operations plan at <http://www.incose.org/chesapek/businessdocs.html>.

Gold Circle Award for 2005!

The Board is very pleased to report that the Chesapeake Chapter of INCOSE was selected again for the Gold Circle Award in 2005. This is an outstanding accomplishment since this is the fourth year in a row for our chapter to receive the highest honor of the chapter awards within INCOSE. In addition our active meeting schedule and the Board of Directors and Directors at large, it was our membership that carried the day (or year, in this case!). Not only are our members renewing their memberships on a fairly consistent basis, but we have continued to grow and to bring in new members to replace those who left our ranks for whatever reasons. Thanks to those of you who renewed your memberships last year, to those who have recently joined our organization, and especially to those who went out of your way to retain old members and recruit new ones.

The award letter to the Past President (President for 2005) is posted to our website

<http://www.incose.org/chesapek/businessdocs.html> and reads: "On behalf of the International Council on Systems Engineering (INCOSE), we are pleased to recognize the Chesapeake Chapter as a Gold Circle Award Chapter based upon its contributions and accomplishments in 2005. This annual award recognizes chapters reaching the highest goals and standards established by our organization.

For many, chapters provide the primary day-to-day interface with INCOSE. Chapters organize technical and social programs, communicate key information about our organization and discipline, support technical activities, and enhance the member experience and services that enhance their careers. In fulfilling this mission, Chesapeake Chapter leaders

and members have committed significant time and energy to further the goals of our organization.

To honor these efforts and achievements, this Gold Circle Award will be presented at the 2006 INCOSE International Symposium in Orlando, Florida. In doing so, INCOSE recognizes and celebrates the contributions and achievements of the Chesapeake Chapter, its leaders, and its sponsors.

High quality, vibrant chapters are essential in INCOSE's drive to enrich, educate, and enlighten the INCOSE membership while improving recognition of INCOSE and the systems engineering profession. The Member Board and INCOSE extend heartfelt thanks and appreciation to the Chesapeake Chapter for its contributions towards attaining these goals".

Membership Report

Ms. Ann Marie Vourlos, Membership Chairman

Our Chapter currently counts 287 members. We'd like to see many more of you come out for our monthly Membership Meetings, and actively participate in more of the other available activities as well! Please contact me if you'd like additional information on any Chapter function or activity, or are simply looking for a suggestion as to where you might get more involved.

Please join me in welcoming the following (relatively!) new members into our Chapter:

Jennifer	Lagaz	1/13/2006
Robert	Ostergaard	1/13/2006
Wyndolyn	Alexander	1/20/2006
Kevin	Jackson	1/20/2006
James	Deiningner	1/27/2006
Katherine	Goodier	1/27/2006
Timothy	McClay	1/5/2006
Grant	Tregre	1/5/2006
Jon	Weyland	1/5/2006
Allan	Anderson	2/24/2006
Bryan	Martz	2/3/2006
Stephen	Ahlbrand	3/10/2006
Matthew	Pollack	3/10/2006
Edward	Medri	3/16/2006
Robert	Mosher	3/16/2006

Systems Engineer of the Year

INCOSE has long encouraged formal programs for training systems engineers and professional activities for honing systems engineering skills. This new chapter award complements the existing programs to provide more complete recognition of the efforts required to function as a systems engineer. The goals of the program are to:

1. Recognize exceptional achievement in systems engineering practice and/or academics achievement;
2. Clarify and incentivize the systems engineering profession;
3. Improve sharing of good and best practices among systems engineers; *and*
4. Encourage investment in the next generation of systems engineers.

Certified Systems Engineering Professional (CSEP) members: Rich Schramke, Northrop Grumman Corporation (2006), and Dr. Joseph Carl, President, Mosaic Renaissance International.

Certification Criteria Requirements and Method of Compliance:

1. Experience Minimum of 5 years SE work Work description provided in the application and Substantiating letters (See **Certification Program Detail “Experience Applicable to Certification”** for definition of applicable experience. See **Certification Program Detail “Colleagues/Peers Used for References”** for definition of who may serve as references and attest to experience.)

2. Education

Bachelor's degree or equivalent in a technical field from an accredited institution. Additional engineering experience must be substituted if lacking a technical Bachelor's degree or equivalent
 Minimum of 5 more years of engineering experience with Bachelor's degree or equivalent in a non-technical field (total minimum of 10 years)
 Minimum of 10 more years of engineering experience with no degree (total minimum of 15 years). A copy of a college transcript or a diploma is required to substantiate attainment of the degree.

3. SE References Minimum of 3 technical references that confirm experience and recommend certification Letters from supervisors/colleagues may be the substantiating letters that confirm the SE experience

4. SE Knowledge Pass Exam Certification exam results provided by the test organization. For additional information on INCOSE SE Certification go to:
<http://www.incose.org/educationcareers/certification/index.aspx>.

Upcoming Chesapeake Chapter Tutorial

Our Chapter is in the planning phases for a one-day Workshop to address Systems Engineering Processes in an agile software development cycle. The workshop will be conducted by Alan Koch, author of [Agile Software Development: Evaluating the Methods For Your Organization](#). To ensure that this tutorial meets the Chesapeake Chapter member needs, Mr. Koch requests potential attendees complete a survey of their interests. Please contact James Starkey, james.starkey@ngc.com to receive a copy of the

The award is administered by the Board of the Chesapeake Chapter of INCOSE and presented annually. The award recognizes performance on a three-year basis (January 2004 to December 2006) and is to be presented at the Holiday Awards banquet in December 2006. The award shall be a formal certificate, plaque, or other award medium designed for display as determined by the chapter BOD and includes free monthly meeting dinner for the next year. Presentation of the Awards is by formal ceremony and directly to the individual involved. Senior management from the winner's company will be invited.

All members of the Chesapeake Chapter of INCOSE shall be eligible for award consideration. The evaluation will be based on three key factors: project impact, outreach, and professional service:

- **Project impact (40%):** Major contributions to successful execution of complex and difficult projects;
- **Outreach (30%):** Helping others to enhance their system engineering skills through leadership, instruction, or publication; and
- **Professional Service (30%):** Helping to build and grow professional and standards organizations both inside and outside your company.

Nomination packages should be submitted no later than Nov 1st of the year in which the award is to be presented. Copies of the nomination package will be posted on our webpage. Each nominating organization should provide an electronic copy of the nomination spreadsheet and all supporting hard copy documentation to the INCOSE board through the mechanism specified on our webpage.

Congratulations, Chesapeake Chapter Certified Systems Engineering Professional (CSEPs)!

The Chesapeake Chapter would like to acknowledge and congratulate the following chapter credentialed

survey. Completion of the survey is not a pre-condition or requirement of tutorial attendance.

Past President Recognition

At the 2006 International Workshop, President Carol Ann Hutchinson successfully convinced the Member Board that INCOSE should recognize all Past Presidents who complete their term with a pin to acknowledge their contribution and hopefully their continued contribution to INCOSE. We would like to acknowledge the following past presidents of the Chesapeake Chapter who completed their term:

Chesapeake Chapter Past-Presidents

Year	Name
1995	L. Mark Walker
1996	Dr. Joseph J. Spigai
1997	John Chasse
1998	Scott Hyer
1999	Donald C. Kauffman
2000	L. Mark Walker
2001	Jerry Woodall
2002	Steve Sutton
2003	Jim Chism
2004	Dr. Joe Carl
2005	John Thomas

We want to thank those listed above for their contribution to the Chesapeake Chapter and do encourage them to offer their expertise for the continuing vitality of the chapter. We shall schedule a Pin presentation ceremony as soon as the Past President custom designed pins become available.

Sustaining Members

Sustaining chapter members are those INCOSE members who have maintained active membership for at least 10 years. These members are recognized by the Chapter with a Certificate as a sustaining member. We would like to recognize the following recent sustained members who have already received their certificates:

Chesapeake Chpt Sustaining Members

Date Joined	Name
3/1/1994	Stephen Sutton
9/1/1994	Carol Hutchinson
3/1/1995	Thomas Bagg
4/1/1995	James Sturgis
10/1/1995	Ronald Kohl

Membership Fees and Types of Members

Regular INCOSE Membership dues are \$105USD. Dues are pro-rated in accordance with the pro-rata dues schedule shown in the table below:

Month of Joining*

	Jun- July- Aug	Sep- Oct- Nov	Dec- Jan- Feb	Mar-Apr- May
Regular Membership	\$105	\$80	\$55	\$130
Senior	\$55	\$41	\$29	\$68
Student	\$20	\$15	\$10	\$25
Developing Country	\$53	\$40	\$28	\$65

* Membership year is from June 1 to May 31.

Senior Members

Individual members qualify for the Senior category if they are at least 64 years of age at the start of the membership year (June 1) and have maintained their individual membership for the five membership years prior to applying for the Senior category. Senior members also receive a 50% discount on their registration and other program fees for the International Symposium, and the registration fee for the International Workshop is waived. Please note that, if you take advantage of this offer, you will have access to the Journal and INSIGHT via the INCOSE website only.

Note: Those members who intend to seek Senior member status and take advantage of the discounted fees at the International Symposium must renew their membership prior to registering for the symposium. Senior member status must be confirmed by the Central Office before individuals can register at the discounted rate.

Student Members

Members qualify for the Student category if their course load is at least 3/4 of full time in an engineering or related field. (For example, if the full-time student

course load is 4 per semester, then the student must be enrolled in 3 or more courses in order to qualify for the student membership rate.) To apply, please complete the membership application and use the mail or fax option to submit along with proof of class schedule. Student members also receive reduced rates for the registration and program fees for the International Symposium. Please note that, if you take advantage of this offer, you will have access to the Journal and INSIGHT via the INCOSE website only

Developing Country

Depending on the Purchasing Power Parity (PPP) of the country in which you live, you may be eligible for a discount. The President of INCOSE may designate residents of certain countries eligible for reduced annual member dues. A designation is valid for one membership year, and may be extended or cancelled by the President for each subsequent membership year. For residents of the countries designated by the President, members may, but are not required to, avail themselves of the stated discount. Please note that, if you take advantage of this offer, you will have access to the Journal and INSIGHT via the INCOSE website only.

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**INCOSE
2006**
Orlando, Florida



Systems Engineering: Shining Light on the Tough Issues

Omni Orlando Resort at ChampionsGate July 9-13, 2006

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- Mark your calendars for the INCOSE 2006

International Symposium.

Come to Florida and learn how the theme "Systems Engineering: Shining Light on the Tough Issues" applies to the broad scope of Systems Engineering and how systems engineering activities in commercial, academic, and government environments are

converging on new best practices and novel technologies and methodologies. Many fine papers, panels, and tutorials covering case studies, developmental work and technical analysis have been received, reviewed, and scored; and the technical program is being set. Arrangements are being made for keynote speakers and special events that will be both entertaining and fascinating. Bookmark this website and come back often to see the plans as they progress. Mark your new 2006 calendars and allocate your budgets, so you can be sure to join systems engineers from around the world at the Sixteenth Annual INCOSE International Symposium July 9-13, 2006. See you in Orlando!

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