

# INTERNATIONAL COUNCIL OF SYSTEMS ENGINEERING

## CENTRAL VIRGINIA CHAPTER

[www.incose.org/cva](http://www.incose.org/cva)  
Apr 2011

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Cordially invites you to attend a dinner and presentation by:

**Karl Geist, ESEP-Acq.**  
Senior Electronics Engineer  
Gryphon Technologies LC

Topic:

**INCOSE's Certification Program Presentation  
and Discussion**

At:

**Lone Star Steakhouse & Saloon**  
2051 Plank Road, Fredericksburg, VA (see later map)  
(Three Stop Lights East of Interstate 95 (Exit 130) on Plank Road (Route 3))

**Tuesday, 5 April 2011**

<b>Times:</b>	<b>Social (Cash Bar)</b>	<b>1800</b>	<b>(Everyone Welcome)</b>	
	<b>Dinner</b>	<b>1830</b>	<b>Charge: INCOSE Members:</b>	<b>\$15.00</b>
			<b>Non-Members:</b>	<b>\$19.00</b>
	<b>Presentation</b>	<b>1930</b>	<b>Students:</b>	<b>\$10.00</b>

**Menu:** A wide variety of dinner choices are available for the given price: Steaks (11 oz Sirloin, 6 oz fillet, 12oz Texas Ribeye), 6 oz Sirloin & Chicken, 6 oz Sirloin & fried or grilled shrimp, ½ Rack of Baby Back Ribs, Sidewinder BBQ or Mesquite Grilled (Cajun or BBQ) Chicken Breast, Texas Trio (6 oz Beef Medallions, Shrimp & Chicken), Fried Shrimp Dinner, Salmon & Shrimp Seafood Combo, or Salmon. Dinners include bread, salad, potato or vegetable, and coffee, tea or soft beverage.

**Price:** The cost for members is \$12 including 9% tax and 18% tip. The cost for a nonmember or guest is \$14. Full time students will be charged the reduced rate of \$8. Reservations can be canceled up to two days in advance.

**Contact:** Ajoy Muralidhar, 540-284-0701 (O), email [ajoy.muralidhar@navy.mil](mailto:ajoy.muralidhar@navy.mil), or Lesly Painchaud, (540) 653-0054 (O), email [leslev.painchaud@navy.mil](mailto:leslev.painchaud@navy.mil) for more information or to make your reservation. PLEASE HAVE YOUR ENTREE AND SALAD DRESSING CHOICE OR CHOICES SELECTED BEFORE YOU CALL TO MAKE YOUR RESERVATION (S). Dressing choices are: Blue Cheese, Ranch, Honey Mustard, Oil and Vinegar, Italian, Thousand Island, French or Texas Ranch. I ask you to help us out by reserving early. You can always cancel later if things change so you can not make it. I think the talk will be of general interest to all. Everyone is welcome. Please come out and support this event so that the Chapter can continue to hold meetings in Fredericksburg on occasion. Thanks

**Topic:** INCOSE has established a multi-level Professional Certification Program to provide a formal method for recognizing the knowledge and experience of systems engineers, regardless of where they may be in their career. Come find out details about how to obtaining these certifications. This briefing will include a question and answer session and serves as a precursor to a CSEP tutorial being presented by the Hampton Roads Chapter.

**INCOSE Business Meeting:** A short INCOSE business meeting will be held after the presentation to discuss Chapter issues



**The Speaker:** With 36 years of service for the Naval Air Systems Command as an Acquisition Professional certified at Level 3 in both Systems Planning, Research Development & Engineering and Program Management, Karl works for Gryphon Technologies providing Systems Engineering and Program Management support for

the definition, design, development, verification, training, safety assessment and sustainment of the Identification Friend or Foe (IFF) Mode 5 Interrogator System for NAWCAD 4.5.9.1. Karl is also the Principal for Safety (PFS) for IFF Mode 5 Systems. He has extensive experience in software and systems development with 46 Fleet delivered software products to his credit. As a Branch Head and Senior Systems Engineer, he worked Battle Space initiatives, was assigned as the Air Domain Representative for the Naval Enterprise Open Architecture (OA) Software Reuse Repository and Configuration Management (CM) Strike Team, and was an Engineering Manager in the Battle Space Engineering & Systems Integration Division. He also served as Team Lead for various Systems Engineering efforts including an award winning Rapid Technology Transition (RTT) Task. Additionally, he is a Charter Member of the Southern Maryland Chapter of INCOSE having served as President, Vice-President, Past-President, Treasurer and Director. Currently, he is a Chapter Director and Events Coordinator. Karl is one of the founders of INCOSE's certification program, served 6 years on the Certification Advisory Group, assisted in writing 5 certification tests, and coordinated 3 Beta Tests

## President's Corner

By Ajoy Muralidhar

Spring is a time of renewal and new beginnings and it gives me and my fellow office-bearers great pleasure to kick off the first of two Spring dinner meetings. Our guest speaker for April 05 is Mr. Karl Geist of Gryphon technologies, who will discuss INCOSE's professional Certification process.

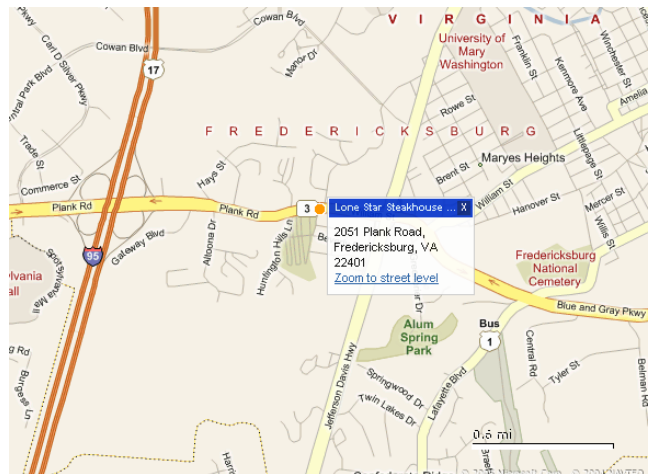


Our chosen profession keeps us extremely busy and none of us has the luxury to pursue all the professional development, training and other personal development activities that we would like – including Certification activities. However, certification is a recognition of professional achievement, and a goal to be actively pursued.

Karl's briefing will provide insight into the formal multi-level certification program in an informal, friendly setting,

and I am hoping that his presentation will encourage our members to consider embarking on the rewarding road to Professional Certification. I will end by requesting everyone to bring a friend to the dinner event, and as usual, we welcome suggestions for Speakers and Topics. I look forward to seeing you all in person.

**Map to Lone Star:** Three Stop Lights East of Interstate 95 (Exit 130) on Plank Road (Route 3)



## Interested In Becoming an INCOSE Member?

If you would like more information about the international Council of Systems Engineers (INCOSE) or you are interested in obtaining information about becoming a member, please contact any of the members of the Executive Committee of the Central Virginia Chapter. Their names and contact information are listed in the "letterhead" located on the first page.

**Want to get more involved:** The Chapter is looking for people who want to do more for the Chapter. There are Chapter committee positions that need people to fill them. There are Chapter positions suited for those who can make small or large commitments. Contact the Chapter President for information or attend one of the regularly scheduled Executive Committee meetings.

**Order Coffee Cups with Chapter Logo:** The Chapter had manufactured some coffee cups with the Chapter logo imprinted on them for mementos for our meeting speakers and for responding members. That is the logo on the front page of this newsletter. If there is sufficient demand, the chapter will place another order for cups. If you would like us to include you on this order, contact Ajoy Muralidhar (see front page). The approximate at cost price will be \$11 if you pick the cup at a meeting.

**The International Council on Systems Engineering (INCOSE)** is a not-for-profit membership organization founded in 1990. Our mission is to advance the state of the art and practice of systems engineering in industry, academia, and government by

promoting interdisciplinary, scaleable approaches to produce technologically appropriate solutions that meet societal needs.

**Science Fair Judges and Supporters:** This year the Chapter has helped judge and gave awards at the Piedmont Regional Science Fair. The Massaponax High School Science Fair (8201 Jefferson Davis Hwy) was not held this year. The Piedmont Regional Science Fair was held on March 15<sup>th</sup> at the University of Virginia's John Paul Jones Arena, Charlottesville. The Chapter also plans to give awards at the Virginia State Science and Engineering Fair. The State Fair will be held April 2<sup>nd</sup> at the Old Dominion University in Norfolk Virginia. The Chapter will have no judges at the State Fair because of the distance. If interested in volunteering or wish more information, contact Dan Vavrick or any INCOSE officer.

Companies or other organizations wishing to support these Science Fair directly with financial or manpower support can contact the Science Fairs directly. A contact number for the Massaponax High School Science Fair is 710-0419 (school). The Piedmont Regional Science Fair Web site address is [www.vprsf.org/be a sponsor.htm](http://www.vprsf.org/be_a_sponsor.htm). The 2010 Virginia State web site is <http://vssef.odu.edu/StateFair/index.php>.

**From the Desk of the Editor:** If you are not on our Chapter's newsletter emailing list, please send me an email and I will make sure to get your name on the list. You will then get all future newsletter and meeting announcements.

Again, I want to remind the membership of the efforts that go into organizing a meeting and the efforts of the speaker to prepare his/her presentation. These dinner meetings can only continue with your support. Certainly, the Officers of the Chapter are doing most all they can do by arranging an excellent program and the Chapter subsidizing greatly the meal cost to attendees.

I hope that you decide to support this engineering event, of which there are only a few in Fredericksburg. Also, I hope to meet you and get to know you a little.

## Meeting and Events Schedule:

### Past Meetings and Events:

**Mar 27, 08;** 1800; Chapter Dinner Mtg; Loc: Lone Star Steakhouse & Saloon, Fredericksburg; Spkr: Anthony Devino; Topic: Architectures – The Cornerstone of SoS Engineering; Coord: Vavrick

**Sep 30, 08;** 1815; Chapter Gen'l Mtg; Loc: Rm 120, Olson Hall, UVA, Charlottesville; Spkr: G. Rabadi Topic: Modeling and Simulation : An Emerging Field with Great Potential; Coord: Oxford

**Mar 18, 09;** Wed, 1800; Chapter Dinner Mtg; Loc: Lone Star Steakhouse & Saloon, Fredericksburg; Spkr: J. Armstrong & B. Shelton; Topic: Systems Engineering Is Not Just for Engineers Anymore; Coord: Vavrick

**May 19, 09;** Tues, 1800; Chapter Dinner Mtg; Loc: Lone Star Steakhouse & Saloon, Fredericksburg; Spkr: S.H. Dam; Topic: KBAD – A Cost-Effective Way to Conduct Design and Analysis; Coord: Vavrick

**Sep 15, 09;** Tues 1800; Chapter Dinner Mtg; Loc: Lonestar Steakhouse & Saloon, Fredericksburg; Spkr: P. Baxter; Topic: *Measuring the Risk Management Process*; Coord: Vavrick

**Nov 24, 09;** Tues, 1800; Chapter Dinner Mtg; Loc: Lonestar Steakhouse & Saloon, Fredericksburg; Spkr: D. Gantzer; Topic: *Current Focus of DoD's AT&L Systems Engineering Office*; Coord: Vavrick

**Apr 27, 2010;** Tues 1800; Chapter Dinner Mtg; Loc: Lonestar Steak House, Fredericksburg; Spkr: Norman K. Messenger; Topic: *Enabling End-to-End Supply Chain Risk Management through Secure IT Infrastructures*; Coord: Painchaud

**Aug, 2010;** Tues 1800; Chapter Dinner Mtg; Loc: Lonestar Steak House, Fredericksburg; Spkr: S.H. Dam; Topic: Building Your Concept of Operations (CONOPS); Coord: Painchaud

**Feb 23 2011;** Wed.1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: Jen Narkevicius; Topic: Human Systems Integration Railroad Applications: HSI Beyond DoD; Coord: Muralidhar

### Future Meetings and Events:

**Apr 5, 2011;** Tues, 1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: Mr. Karl Geist, ESEP-Acq.; Topic: INCOSE's Certification Program Presentation and Discussion; Coord: Muralidhar

**May 10, 2011;** Tues, 1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: Carl Siel, NSWCDD Tech Dir.; Topic: TBD; Coord: Muralidhar

**June, 2011;** (tentative) 1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: Bryon Brezhina; Topic: TBD; Coord: Muralidhar

**Sep, 2011;** 1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: TBD; Topic: TBD; Coord: Muralidhar

**Nov, 2011;** 1800; Chapter Dinner Mtg; Loc: TBD, Fredericksburg; Spkr: TBD; Topic: TBD; Coord: Muralidhar