



**International Council on Systems Engineering
Delaware Valley Chapter Meeting**
(Non-members welcome to attend)

Speaker 1: Bob Patterson, Computer Sciences Corporation: **CSC's Software Engineering Framework**

Speaker 2: Lee Fleisher, Lockheed Martin Corporation, Moorestown: **The Engineer General Practitioner**

For abstracts and authors biographical summary, see next page.

Date: Tuesday October 23, 2007

\$10 for the buffet meal (students \$5)

Agenda: 5:30 to 6:00 Arrival and Introductions
6:00 to 6:30: Buffet Meal
6:30 to 6:45: Chapter Business
6:45 to 7:30: Speaker 1
7:30 to 7:40: Break
7:40 to 8:25: Speaker 2
8:25 to 8:30: Wrap Up

Place: L-3 Communications,
A&E Building, Auditorium
1 Federal Street, Camden, NJ

For directions to L-3 please visit the web site
http://www.l-3com.com/cs-east/ie_locmap.shtml
<http://www.l-3com.com/cs-east/gif/smallmap.gif>

As a thank you for attending the meeting you will be offered free activation keys for two tools: (1) Specification Analysis Tool (SAT) and (2) Search and Mining Tool (SAM).

Please contact Walt.Sobkiw@L-3com.com if you plan to attend this event. Please let him know if you are not a U.S. citizen so he can get the necessary approval, ASAP.

For further information about the International Council on Systems Engineering please visit the INCOSE website at <http://www.incose.org/> and the Delaware Valley Chapter website at <http://www.incose.org/delvalley/>



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CSC's Software Engineering Framework

Bob Patterson - Biography

Bob Patterson is a career professional who has over 25 years of diversified information systems experience in program control, program management, software development, software evaluation, product assurance, configuration management, quality assurance, test and evaluation, and process improvement. Additionally, he has 30 years experience in personnel management, resource management, and decision-making in senior management positions. He joined CSC in 1992 after retiring as a Commander in the US Navy with 24 years of active duty service. He is a Software Engineering Institute (SEI) authorized Capability Maturity Model Integration (CMMI) SCAMPI Lead Appraiser and was previously a CMM Lead Evaluator for conducting Software Capability Evaluations (SCEs) until that method sunset by the SEI. Bob has conducted over 40 SCE's and SCAMPI's for CSC internal organizations as well as external customers, such as Defense Finance and Accounting Service (DFAS) Denver, General Dynamics Land System Division, British Aerospace, Citibank UK, AXA Sun Life UK, MasterCard, Sun Microsystems, Armstrong, Inc., Level 3 Communications and the IRS. He is presently the Director of CSC's outsourcing organization's Process Assessment Program Office (PAPO). Bob lives in Newark, DE with his wife and daughter.

Abstract

Several factors are involved in helping an organization develop its Software Engineering Framework. The primary factor that CSC used in order to build its framework for Software development and maintenance was the Software Engineering Institute's (SEI) Capability Maturity Model Framework. Performance results from across the industry testify to the benefits of implementing process improvements with this approach. The CSC Global Process Framework (GPF) was developed to be compliant with both the CMMI and ISO requirements while at the same time providing flexibility to the accounts that support clients worldwide. CMMI representations (staged and continuous), the process areas that make up the model and the appraisal method will be discussed.

The Engineer General Practitioner

Lee Fleisher - Biography

Mr. Fleisher has worked at RCA/GE/Martin Marietta/Lockheed Martin (Same Company) for 30 Years 4 months. He previously worked at a small consulting firm, GRD Inc., on jobs with NADC Warminster. He has had leadership roles on the Aegis Program as the Technical Director and Systems Engineer for delivery of Aegis Baselines to Cruisers, Destroyers, and the Japan Aegis FMS program. He has also led major proposal efforts and proposal review team efforts. He also worked at Corporate Headquarters for Lockheed Martin in Bethesda during the attempted acquisition of Northrop Grumman. He also serves as the chairperson of the Lockheed Martin Moorestown IR&D and B&P



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compliance board and served on the engineering management board for over fifteen years dealing with engineering promotions and labor contract negotiations.

In his career he has worked in engineering and in management with positions as first and second level manager as well as Director. He is currently a Principal Member of the Engineering Staff and the Deputy Technical Director and Lead Systems Engineer for a major Navy program. He is also an instructor on Systems Engineering 101 and a trained Blackbelt for Lean Six Sigma project facilitation.

Mr. Fleisher has a BS in Mathematics from Carnegie Mellon (1973) University and an MBA from Temple University (1978). He is married and has two children the oldest of which is a Sophomore at Villanova University majoring in Computer Engineering.

Abstract

Step back and look at your career: Are you a specialist or a general practitioner? The value added of versatility, or the possession of a breadth of skills which are useful to an organization, can exceed that of the specialist.

With today's engineering workforce, experienced personnel in a broad range of technical engineering areas, with knowledge of technology and tools, are a valued asset to businesses. This includes engineering or management personnel, it really does not matter, the technical leadership and the ability to impart experiences is a high value added function.

So, if you have had responsibilities that include a portfolio from synthesis of functions, system architecture, requirement allocation and flow down, functional design, development, testing, life-cycle engineering and proposal work, you are a general practitioner. Couple this with knowledge of the administrative side of business, dealing with cost, schedule, risk, political, employee relations, and corporate view and you are a valued member of any business.