



Welcome and Overview: USC-CSE Affiliates' Workshops

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Outline

- **USC-CSE Highlights, 2003**
- **USC-CSE Affiliates and Calendar**
- **Workshop Topics and Agenda**



USC-CSE Highlights, 2003

- **New Affiliates: BAE Systems, Freshwater Partners, Hewlett Packard, Softstar Systems, USAF Cost Center**
- **New Ph.D.'s: Chris Abts (Texas A&M), Mohammed Al-Said (Saudi Aramco)**
- **New Tenure-Track Prof: Dan Port (U Hawaii)**
- **New Research Associates: Ed Colbert, Ray Madachy**
- **March 2003 Value-Based Software Engineering articles**
 - **Cover article in IEEE Computer**
 - **Electronic Articles in ACM SW Engr. Notes**
- **July 2003: INCOSE best paper award: Hasan Kitapci**
- **August 2003 book: Balancing Agility and Discipline**
- **Future Combat Systems: Adoption, elaboration of Win Win Spiral Model**
- **High Dependability Computing: Successful technology maturity/adoption speedup via SCover robot testbed**



USC-CSE Affiliates (36)

- **Commercial Industry (15)**
 - Daimler Chrysler, Freshwater Partners, Galorath, Group Systems.Com, Hewlett Packard, Hughes, IBM, Cost Xpert Group, Microsoft, Motorola, Price Systems, Rational, Softstar Systems, Sun
- **Aerospace Industry (7)**
 - BAE Systems, Boeing, Lockheed Martin, Northrop Grumman, Raytheon, SAIC, TRW
- **Government (9)**
 - DARPA, DISA, FAA, NASA-Ames, NSF, OSD/ARA/SIS, US Army Research Labs, US Army TACOM, USAF Cost Center
- **FFRDC's and Consortia (4)**
 - Aerospace, JPL, SEI, SPC
- **International (1)**
 - Chung-Ang U. (Korea)



USC-CSE Affiliates' Calendar

February 1-4, 2004	COTS-Based Systems Conference, Redondo Beach, CA
March 15, 2004	COSYSMO, Cocomo II Security Workshops
March 16-19, 2004	Annual Research Review, Executive Workshop: Agile Methods Experiences
March 29-31, 2004	Ground Systems Architectures Workshop (co-sponsored), Aerospace
May 2004	Annual Affiliates' Renewal
August 18-20, 2004	Empirical SW Engr. Tutorial and Conference, Redondo Beach, CA
October 26-29, 2004	COCOMO/SCM Forum and Workshops



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Workshop Objectives

- **Improve Capabilities of COCOMO-related models**
- **Provide guidelines for USC-CSE research, Affiliate activities**
 - Needs, priorities, risks, opportunities
- **Stimulate further USC-CSE/Affiliate collaboration**



Top Level Agenda

- **Tues. 5-8 pm: Affiliate dinner, Steering Group Meeting, Workshop discussions**
- **Tues, Wed- Forum presentations on Workshop topics**
- **Thurs.: 4 Working groups**
 - **12:00-1:30 pm: Lunch and plenary session**
- **Fri. am: Working group reports; USC-CSE response; wrap-up**
 - **End by 11:30 am**



Proposed Working Groups

- 1. COCOMO II Security Extensions (Ed Colbert)**
- 2. COSYSMO (Ricardo Valerdi)**
- 3. Software Sizing (Winsor Brown)**
- 4. Elaborating COCOMO II Cost Drivers (Brad Clark)**



Working Group Guidelines

- **Product: briefing, preferably with notes and priorities**
- **Topics should include:**
 - **Model refinements**
 - **Most critical issues in area**
 - **Most promising opportunities**
 - **Research suggestions: general, CSE, CSE Affiliates**