Welcome and Overview: USC-CSE Affiliates’ Workshops

Barry Boehm, USC-CSE
October 21, 2003
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 SCRover robot testbed
USC-CSE Affiliates (36)

• Commercial Industry (15)

• Aerospace Industry (7)
  – BAE Systems, Boeing, Lockheed Martin, Northrop Grumman, Raytheon, SAIC, TRW

• Government (9)

• FFRDC’s and Consortia (4)
  – Aerospace, JPL, SEI, SPC

• International (1)
  – Chung-Ang U. (Korea)
## USC-CSE Affiliates’ Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tr>
<td>February 1-4, 2004</td>
<td>COTS-Based Systems Conference, Redondo Beach, CA</td>
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<td>March 15, 2004</td>
<td>COSYSMO, Cocomo II Security Workshops</td>
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<td>March 29-31, 2004</td>
<td>Ground Systems Architectures Workshop (co-sponsored), Aerospace</td>
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<td>May 2004</td>
<td>Annual Affiliates’ Renewal</td>
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<td>August 18-20, 2004</td>
<td>Empirical SW Engr. Tutorial and Conference, Redondo Beach, CA</td>
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<tr>
<td>October 26-29, 2004</td>
<td>COCOMO/SCM Forum and Workshops</td>
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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