Welcome and Overview: Annual Research Review 2005

Barry Boehm, USC-CSE
March 15, 2005
Outline

• USC-CSE Highlights, 2004
• USC-CSE Affiliates and Calendar
• Agenda and Workshop Guidelines
USC-CSE Highlights, 2004

- New Affiliates: General Dynamics, NAIST (Japan)
- February 2004: Hosting of ICCBSS (COTS) Conference
- May/June 2004: Lead ROI article in Software
- December 2003, May 2004: Lead articles in CrossTalk
- August 2004: Hosting of Empirical Software Engineering Week
- October 2004: Conference Room Naming
- Future Combat Systems: Adoption, elaboration of Win Win Spiral Model for both software and systems engineering
- High Dependability Computing: Successful technology maturity/adoption speedup via SCRover robot testbed
USC-CSE Affiliates (30)

- Commercial Industry (10)
  - Daimler Chrysler, Galorath, Group Systems, IBM, Cost Xpert Group, Microsoft, Motorola, Price Systems, Softstar Systems, Sun

- Aerospace Industry (8)
  - BAE Systems, Boeing, General Dynamics, Lockheed Martin, Northrop Grumman(2), Raytheon, SAIC

- Government (6)

- FFRDC’s and Consortia (5)
  - Aerospace, Fraunhofer Center, JPL, SEI, System & Software Consortium

- International (1)
  - NAIST(Japan)
USC-CSE Affiliates’ Calendar

March 14-18, 2005  Annual Research Review, Executive Workshop: Model-Based Architectures

May 2005  COSYSMO 1.0 Rollout (Valerdi: Ph.D defense)

May 2005  Annual Affiliates’ Renewal

July 15, 2005  COCOMO/SCM Forum Abstracts Due

October 25-28, 2005  COCOMO/SCM Forum and Workshops #20

March 13-17, 2006  Annual Research Review, Executive Workshop

March 27-30, 2006  Ground Systems Architectures Workshop (co-sponsored), Aerospace / Manhattan Beach
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Forum and Agenda

• **Tuesday, March 15**
  – Morning:  Value-Based SW Engr, COCOMO Suite
  – Lunch and Tool Demos
  – Afternoon: Architecture, Processes
  – Evening:  Affiliates’ dinner and workshops kickoff

• **Wednesday, March 16**
  – 8:15 – 5:00pm: Executive Workshop Presentations: Model-Driven Development
  – 5:00 – 7:00pm: Reception and Tools Fair

• **Thursday, March 17**
  – All Day:  MDA Working Groups (tentative titles)
    • MDA and Software System Architecture
    • MDA and Security
    • MDA and System Implementation

• **Friday, March 18**
  – Morning:  Workshop Summaries and Discussion
Workshop Guidelines

• Product: briefing, preferably with notes and priorities

• Topics should include:
  – Strengths and challenges assessments
  – Most critical issues in area
  – Most promising opportunities
  – Research suggestions: general, CSE, CSE Affiliates