

**17th International Forum on COCOMO and Software Cost Modeling
October 22-25, 2002, Los Angeles, CA**

Tuesday, October 22, 2002: Gerontology Auditorium

- 7:30-8:30 Continental Breakfast and Registration
- 8:30-12:00 Barry Boehm Tutorial: Risk Management Overview
and Recent Developments (Break: 10:00- 10:30)
- 12:00-1:00 Lunch
- 1:00- 4:30 Ray Madachy and Dick Stutzke. Tutorial: Use of Cost
Models in Risk Management (Break 2:30-3:00)
- 5:00-8:00 ***Affiliates' Dinner and Workshop Definition: Faculty Center***
Candidate Working Groups and Organizers;
COSYSMO: Ricardo Valerdi, Gary Thomas
COQUALMO: John Powell, Nancy Eickelmann
Early COCOTS: Betsy Clark, Ye Yang
COCOMO II Security Extensions: Ed Colbert, Don Reifer and Murali
Gangadharan

Wednesday, October 23: Gerontology Auditorium

- 7:30-8:00 Continental Breakfast
- 8:00-9:40 (Chair: Dan Ligett)
Cost and Risk (Presentation slots are 25 minutes each)
Barry Boehm, USC, Welcome and Overview
Jairus Hihn, JPL, Cost Risk Estimation and Management at JPL
Dick Stutzke, SAIC, Estimating Project Risk Reserves
Terry Woodings, U.W. Australia, Risk as zero'th order change in software
project estimation
Terry Woodings, U.W. Australia, Limiting factors of estimating accuracy
and project risk
Forrest Shull, FC-MD, Empirical Results in SW Defect Reduction
- 9:40- 10:10 Break
- 10:10-11:50 (Chair: A. Winsor Brown)
Risk, Value, and Quality
Steve Cornford, JPL, A Risk Centric Model for Value Maximization
Barry Boehm, USC, Value Based Estimation and Monitoring
Sunita Chulani, IBM, Decision Support for Software Management
John Powell, JPL, An Early Look at COQUALMO in the JPL
Environment
- 11:50-12:50 Lunch
- 12:50-2:30 (Chair: Chris Abts)
COCOMO II Extensions
Brad Clark, Software Metrics, Calibration of COCOMO II. 2003
Ricardo Valerdi, USC, COSYSMO Status and Plans
Brad Clark, Betsy Clark, Software Metrics, Early COCOTS
Ed Colbert, Don Reifer and Murali Gangadharan, USC, COCOMO II
Security Extensions

- 2:30-3:00 Break
- 3:00-4:15 Life Cycle Estimation & Management (Chair: Brad Clark)
Nancy Eickelmann, Animesh Anant, Sang Hyun, Jogmoon Baik,
Motorola, Quantitative Control of Process Changes through Modeling,
Simulation and Benchmarking
Duane Eilers, IBM, Estimating Accuracy Improvement Strategies and
Expected Results.
P. Mac Donald, General Dynamics, and F. Mili, Oakland U., Monte Carlo
Simulation for Cost Estimation of Maintenance Contracts
- 4:15-5:00 Tool Demo Descriptions (Chair: Cyrus Fakharzadeh)
Dan Ligett, COSTAR
Arlene Minkiewicz, PRICE S/True S
Dan Galorath, SEER
Benny Barbe, Cost Xpert
Raj Mohan Rao, PDA COCOMO II
Gunjan Sharman, Agile COCOMO II
Chris Abts, Ye Yang, COCOTS
Cyrus Fakharzadeh, CORADMO
John Powell, COQUALMO
Keun Lee, COCOMO II. 2000.1
Scott Henninger, U Nebraska, COCOMO/BORE Process Support
- 5:00-7:00 Reception and Tools Fair, Henry Salvatori Bldg.,
3rd Floor Conf. Rm. #322,
- 7:00-8:30 ***LA SPIN Meeting, Gerontology Auditorium***
Dick Stutzke, Measuring Integrated Product Teams
Scott Henninger, Software Process Adaptation and Refinement the BORE
framework

Thursday, October 24: Gerontology Auditorium

- 7:30-8:00 Continental Breakfast
- 8:00-9:40 Estimation Issues: XP, Factor Determination (Chair: Ray Madachy)
Wei Li, Mohammed Alshayeb, U. Ala-Huntsville, An Empirical Study of
XP Effort
S. Kappaswami. K. Vivekanandan, Pondicherry U., India, COMOXP: A
Cost Model for Extreme Programming Projects
John Bailey, IDA, Using Monte Carlo and COCOMO-2 to Model a Large
IT System Development
Juan Cuadrado, V. Carlos III, Spain, Input Variables Rating Level
Selection Method for COCOMO II Early Design/Post Architecture
- 9:40-10:10 Break
- 10:10-12:10 Sizing and Model Interoperability (Chair: Barry Boehm)
Koni Thompson, David Consulting, Changing a World Wide Sizing
Method
Pam McDonald, Dan Strickland, Charles Wildman, US Army/THAAD,
Effective Size of Auto-Generated Code in a Large Software Project
Daniel Galorath, Galorath Inc., Dan Ferens, AFRL; A Software Model
Based on Architecture

Arlene Minkiewicz, Price Systems, The True Software Cost Estimating Revolution! (15 min.)

Ray Madachy, Cost Xpert/USC-CSE, Don Reifer, RCI/USC-CSE; COCOMO II/SEER Rosetta Stone (15 min.)

12:10-1:10 Lunch

3:00-3:30 Break

Affiliates Workshop

Candidate Working groups: COSYSMO, COQUALMO, Early COCOTS, COCOMO II Security Extensions

8:00-5:50 COSYSMO,
COCOMO II Security Extensions,

12:10-5:50 COQUALMO,
Early COCOTS,

Breakout Rooms:

EEB Rm. 203 (seats 12) reserved all day

SAL Rm. 322 (seats 20) reserved all day

EEB Rm. 108 (seats 15) reserved all day

GER Rm. 235 (seats 10) reserved half day

PHE Rm. 223 (seats 20) reserved half day

Friday, October 25: Gerontology Auditorium

7:30-8:00 Continental Breakfast

8:00-9:30 Working Group 1, 2, 3 Reports

9:30-10:00 Break

10:00-11:15 Working Group 4 Report, General Discussion