

USC-CSE Annual Research Review Agenda
USC-Davidson Conference Center
March 11, 2002

7:30 – 8:15 Continental Breakfast

8:15 – 10:00 Spiral, MBASE, and CeBASE Methods

*Barry Boehm, Vic Basili – Applying the CeBASE Method to the Army/DARPA
Future Combat System*

*Dan Port – Empirical Methods for High Dependability Computing: Defect
Seeding Revisited*

*LiGuo Huang – The Schedule-as-Independent-Variable Process
Model*

10:00 – 10:30 Break

10:30 – 12:00 Software Knowledge and Experience Bases

Mohammed Al-Said – Model Clash Analysis Experience Base

Betsy Clark – COCOMO-Based Experience Factories: A Case Study

Brad Clark – COCOMO II Database

12:00- 2:00 Lunch and Demonstrations

*Agile COCOMO II, COCOTS-alpha, COQUALMO, CORADMO, EWW/Apollo
MBASE EPG II, e-services Project Experience Base, Architecture tool demos*

2:00 – 3:30 Software Architectures

*Marija Mikic-Rakic, Nenad Medvidovic – Architectures for Mobile Distributed
Systems*

Nikunj Mehta – Uses of Connectors in Software Architecture

Ed Colbert – UML and the SAE Avionics Architecture Description Language

3:30 – 4:00 Break

4:00 – 5:30 COCOMO and Extensions

Ricardo Valerdi – COSYSMO

John Powell – COQUALMO Update

Ray Madachy – New Software Dynamics Models

5:30 – 8:30 Affiliates' Steering Group Reception, Dinner, and Meeting

USC-CSE Executive Workshop on Agile Methods Agenda
USC-Davidson Conference Center
March 12 – 14, 2002

Tuesday, March 12

7:30 – 8:15 Continental Breakfast

8:15 – 10:00 Agile Methods Overview—Barry Boehm, Chair

Alistair Cockburn, Humans and Technology – The World of Agile Methods
Laurie Williams, NC State– Extreme Programming and Pair Programming
Barry Boehm, USC – Assessment of Agile and Plan-Driven Methods

10:00 – 10:30 Break

10:30 – 12:00 Agile Methods Experiences—Don Reifer, Chair

Ben Shulman, Tech Gnosis – Agile Methods and Virtual Teams
Charles Leinbach, Freshwater Partners – Balancing Agile and Plan-Driven
Methods for e-Commerce applications
Andy Lay, Lockheed Martin – Experiences with Lean Development

12:00 – 1:00 Lunch

1:00- 2:30 Agile Methods and Plan-Driven Methods—Winsor Brown, Chair

Walker Royce, Rational – Agile Methods and the Rational Unified Process
Steve Cross, SEI – Agile Methods and CMM's
Dan Port, USC; Vic Basili, UMD – Agile Methods and the CeBASE Method

2:30 – 3:00 Break

3:00 – 4:30 Special Topics—Dan Port, Chair

Don Reifer, USC – Agile Methods Survey Results
Winsor Brown, USC – Agile Quality Management
Peter Hantos, Xerox– Messrs. Taylor and Drucker: Meet Ken Beck and Alistair
Cockburn

4:30 – 5:00 Working Group Formation

5:00 – 7:00 Reception

Wednesday, March 13

7:30 – 8:30 Continental Breakfast

8:30 – 12:00 Working Group Sessions (10 – 10:30 break)

12:00 – 2:00 Lunch and Working Group Progress Reports

2:00 – 5:30 Working Group Sessions (3:30 – 4 break)

Candidate Working Groups (Moderator, Scribe)

- 1. Agile Method Critical Success Factors (Don Reifer, Mohammed Al-Said)*
- 2. Agile Methods and the CMMI (Rich Turner, Apurva Jain)*
- 3. Hybrid Agile/Plan-Driven Methods (Winsor Brown, Hasan Kitapci)*
- 4. Needed Research on Agile Methods (Dan Port, LiGuo Huang)*

Thursday, March 14

7:30 – 8:00 Continental Breakfast

8:00 – 11:00 Working Group Reports (9:20 – 9:40 break)

11:00 – 11:30 USC-CSE Response and Next Steps

12:00 – 5:00 COSYSMO Working Group lunch and working session (15 attendees)