CS 254 List of Papers for Presentations and Critiques

Feb. 28, 1997 (supersedes previous list)

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1. **Demonstration of Visual C++, Visual J++ or Delphi:** this needs to include a hands on demo and assumes the presenter's or critiquer's prior familiarity with the software.

2. **Notes as a Development Environment** *by Lotus:* this material can be presented in two formats: either as a hands on demonstration, or alternatively as an academic paper. We do not have either available at this time. Hence, it would be the presenter's and critiquer's responsibility to provide the material.

3. **Configuration Management with Logical Structures** *by Yi–Jing Lin and Steven P. Reiss.*

4. **A Framework for Event–Based Software Integration** *by Daniel Barrett, Lori Clarke, Peri Tarr and Alexander Wise.*

5. **Homogeneous and Heterogeneous Federation of Process–Centered Environments** *by Israel Ben–Shaul and Gail Kaiser.* Focus is to be made on the architecture of OZ.

6. **Horus: A Flexible Group Communications System** *by Robbert van Renesse, Kenneth Birman and Silvano Mffeis.*

7. The following two papers are to be presented together by one person:

   - **Software Process Modeling Example Problem** *by Marc Kellner, Peter Feiler, Anthony Finkelstein, Takuya Katayama, Leon Osterweil, Maria Penedo and Dieter Romback* formulates a challenge problem at a workshop, and describes the requirements that a solution must satisfy.
   - **A Solution to the ISPW–6 Software Process Modeling Example** *by Michael Karr and Thomas E. Cheatham*, presents a proposed solution to the above problem, using the Activity Coordination System.

8. **Information Storage System Customer Specificaition** *Robert Walton* is work in progress on an ARPA grant and subject to critique and scrutiny. Bob is looking for good ideas!

9. **Supporting Cooperation in the SPADE–1 Environment** *by Segio Bandinelli, Elisabetta Di Nitto and Alfonso Fuggetta.*

10. **An Architecture for WWW–based Hypercode Environments** *by Gail Kaiser, Stephen Dossick, Wenyu Jiang and Jack Yang.*

11. **PLEIADES: An Object Management System for Software Engineering Environments** *by Peri Tarr and Lori Clarke.*

12. **The Design of Next Generation Process Language** *by Stanley Sutton and Leon Osterweil*

13. **CORBA: Integrating Diverse Applications Within Distributed Heterogeneous Environments** *by Steve Vinoski.*

14. **Activity Graphs** *by Michael Karr.* Focus should be made on the coordination formalism that would be used for implementation.

15. **The CM Challenge: Configuration Management that Works** *by David Leblang.*

16. **Version Management with CVS** *by Dick Grune, Brian Berliner and Jeff Polk.* This is a manual. Therefore, it is up to the presenter and critiquer to extract the core ideas and techniques for presentation, rather than dwelling on the syntactical details.

17. The following two papers are to be presented together by one person:

    - **Smart Recompilation** *by Walter Tichy*, which is the original paper that ought to take up 90% of the discussion.
    - **Smarter Recompilation** *by Robert Schwanke and Gail Kaiser*, which is a technical note commenting on the above paper.

18. **Automated Software Management Based on Structural Models** *by Richard Waters.*

19. **A Mechanism for Environment Integration** *by Geoffrey Clemm and Leon Osterweil.*

20. **A Practical Guide to the Technology and Adoption of Software Process Automation** The following two chapters of this book must be presented on the same day, by two different people:

    - **Chapter 4: The ProcessWeaver Experiment**
    - **Chapter 5: The Synervision Experiment**

    Critiquers are to treat each of the chapters as one paper as well.

As mentioned in the "CS254r Deliverables" handout, we expect some of you to propose other academic papers to present, which would have to be approved by Prof. Cheatham. Other options are demonstration environments that you are familiar with, and find relevant to the class and have interesting implemented ideas. Common LISP and Standard ML are candidates you might want to investigate, among others.