

**CEN6070—SQA and Testing
Summer 2004**

Papers for Minor Reports

These papers are intended to provide a starting place for student reports. You should find at least two other related papers to complete your report. You are NOT limited to references in the original paper, and secondary references can be more recently published.

Electronic copies of the papers are available on the class web site. Each file name begins with the author's name shown below. In the case of Kitchenham, there are two files—Kitchenham.pdf (item 3 below) and Kitchenham-risk.pdf (item 14) below.

All papers are also accessible on the Internet. Many are ACM or IEEE-CS publications and must be accessed from a UNF system (unless you subscribe separately to ACM or IEEE-CS digital libraries).

1. G. Bazzana, et al. Improving Software Quality through Quantitative Evaluation of Products and Processes - <http://www.iscn.ie/news/iscn95/doc-16.html>
2. L. Rosenberg, et al. Software Metrics and Reliability - http://satc.gsfc.nasa.gov/support/ISSRE_NOV98/software_metrics_and_reliability.html
3. B. Kitchenham, et al. Software Quality: The Elusive Target - <http://csdl.computer.org/dl/mags/so/1996/01/s1012.pdf>
4. J. Herbsleb, et al. Software Quality and the Capability Maturity Model - <http://delivery.acm.org/10.1145/260000/255692/p30-herbsleb.pdf?key1=255692&key2=8800794801&coll=GUIDE&dl=ACM&CFID=21509319&CFTOKEN=29474176>
5. Lowell, J. Quantum Improvements in Software System Quality - <http://delivery.acm.org/10.1145/260000/255696/p46-arthur.pdf?key1=255696&key2=5240794801&coll=GUIDE&dl=ACM&CFID=21509319&CFTOKEN=29474176>
6. Dunsmore, A. et al. Practical Code Inspection Techniques for Object-Oriented Systems: An Experimental Comparison - <http://csdl.computer.org/dl/mags/so/2003/04/s4021.pdf>
7. Xu, J. Making Software Timing Properties Easier to Inspect and Verify - <http://csdl.computer.org/dl/mags/so/2003/04/s4034.pdf>
8. Higgins, S., et al. Managing Requirements for Medical IT Products - <http://csdl.computer.org/dl/mags/so/2003/01/s1026.pdf>
9. Rifkin, S. What Makes Measuring Software So Hard? - <http://csdl.computer.org/dl/mags/so/2001/03/s3041.pdf>

10. Maxwell, K. Collecting Data for Comparability: Benchmarking Software Development Productivity -
<http://csdl.computer.org/dl/mags/so/2001/03/s3041.pdf>
11. Weller, E. Lessons from Three Years of Inspection Data -
<http://csdl.computer.org/dl/mags/so/1993/05/s5038.pdf>
12. Biffi, S. Using Inspection Data for Defect Estimation -
<http://csdl.computer.org/dl/mags/so/2000/06/s6036.pdf>
13. Ferre, X., et al. Usability Basics for Software Developers -
<http://csdl.computer.org/dl/mags/so/2001/01/s1022.pdf>
14. Kitchenham, B., et al. Estimates, Uncertainty, and Risk -
<http://csdl.computer.org/dl/mags/so/1997/03/s3069.pdf>
15. Cusumano, M. et al. How Microsoft Builds Software -
<http://delivery.acm.org/10.1145/260000/255698/p53-cusumano.pdf?key1=255698&key2=3206794801&coll=GUIDE&dl=ACM&CFID=21509319&CFTOKEN=29474176>
16. Boehm, B. et al. Software Defect Reduction Top 10 List -
<http://csdl.computer.org/dl/mags/co/2001/01/r1135.pdf>
17. Shull, F., et al. How Perspective-Based Reading Can Improve Requirements Inspections - <http://csdl.computer.org/dl/mags/co/2000/07/r7073.pdf>
18. Araki, K., et al. A General Framework for Debugging -
<http://csdl.computer.org/dl/mags/so/1991/03/s3014.pdf>
19. Voas, J., et al. Predicting Where Faults Can Hide from Testing -
<http://csdl.computer.org/dl/mags/so/1991/02/s2041.pdf>
20. Linger, R. Cleanroom Process Model -
<http://csdl.computer.org/dl/mags/so/1994/02/s2050.pdf>
21. Barnard, J., et al. Managing Code Inspection Information -
<http://csdl.computer.org/dl/mags/so/1994/02/s2059.pdf>
22. Clark, B. Quantifying the Effects of Process Improvement on Effort -
<http://csdl.computer.org/dl/mags/so/2000/06/s6065.pdf>
23. Denning, P. What is Software Quality? -
<http://delivery.acm.org/10.1145/390000/384272/p13-denning.pdf?key1=384272&key2=8768794801&coll=GUIDE&dl=ACM&CFID=21509319&CFTOKEN=29474176>
24. Buckley, F. The Roles of a SQA Person -
<http://delivery.acm.org/10.1145/30000/29940/p42-buckley.pdf?key1=29940&key2=1825894801&coll=GUIDE&dl=ACM&CFID=21509319&CFTOKEN=29474176>