

References

- Allan, G.W. (1997) *What is Configuration Management?* Logistics Spectrum, Vol. 31 No. 1: pp. 15-18.
- Anderson, J.R. (1983) *The Architecture of Cognition*. Harvard University Press (Cambridge MA).
- Apperley, M. and Spence, I. T. R. (1982). *A bifocal display technique for data presentation*. Proceedings of Eurographics '82, pp. 27-43.
- Arango, G., Schoen, E., Pettengill, R. and Hoskins, J. (1993) *The Graft-Host Method for Design Change*. Proceedings of the International Conference on Software Engineering, ICSE '93 (Baltimore, MD), pp. 243 – 254.
- Benford, S., Bowers, J., Fahlen, L., Greenhalgh, C. and Snowdon, D. (1995) *User Embodiment in Collaborative Virtual Environments*. Proceedings of Human Factors in Computing Systems, CHI'95 (Denver Colorado), pp. 242 – 249.
- Berliner, B. (1990) *CVS II: Parallelizing Software Development*. Proceedings of 1990 Winter Usenix Conference (Washington D.C.).
- Bertin, J. (1967) *The Semiology of Graphics: Diagrams, Networks, Maps*. (Berg, W.J. Trans.), University of Wisconsin Press, Translated version 1983.
- Booch, G., Rumbaugh, J. and Jacobson, I. (1999) *The Unified Modeling Language User Guide*, Addison-Wesley.
- British Standards Institution. (1984) Configuration management of computer-based Systems, <http://www.bsi-global.com>.
- Brown, H.B. (1970) *The Clear/Caster System*. Proceedings of 1970 NATO Conference on Software Engineering (Rome Italy).
- Card, S.K., MacKinlay, J.D. and Schneiderman, B. (1999) *Readings in Information Visualization Using Vision to Think*. Morgan Kaufmann Publishers Inc. (San Francisco, CA).
- Card, S.K., Robertson, G.G. and Mackinlay, J.D. (1991) *The Information Visualizer, an Information Workspace*. Proceedings of Human Factors in Computing Systems, CHI'91 (New Orleans, Louisiana), pp. 181 – 188.

- Carpendale, M. S. T. (2001) *Considering Visual Variables as a Basis for Representing Information*. Technical Report No. CPSC 2001-693-16, Department of Computer Science, University of Calgary, (Calgary Canada), December.
- Cavalier, T., Chandhok, R., Morris, J., Kaufer, D. and Neuwirth, C. M. A. (1991) *Visual Design for Collaborative Work: Columns for Commenting and Annotation*. Proceedings of the Twenty-fourth Hawaii International Conference on System Sciences, HICSS-24 (Kalua Kona, Hawaii), pp. 729 – 738.
- Clark, H.H. and Brennan, S.E. (1991) *Grounding in Communication*. In Readings in Groupware and Computer Supported Cooperative Work: Assisting Human-Human Collaboration, Baecker, R.M., Ed., Morgan Kaufmann Publishers Inc., pp. 222 – 233.
- Compaq (1975) *VAX/VMS*. <http://www.openvms.compaq.com/>
- Cross, G.A. (1990) *A Bakhtinian Exploration of Factors Affecting the Collaborative Writing of an Executive Letter of an Annual Report*. Research in the Teaching of English, Vol. 24 No. 2, pp. 173 – 203.
- DEC. (1982) *Code Management System*. Document No. EA-23134-82, Digital Equipment Corporation.
- Dellen, B. (1999) *Change Impact Analysis Support for Software Development Processes*. Ph.D. thesis, Department of Computer Science, University of Kaiserslautern (Kaiserslautern, Germany).
- Dourish, P. and Bly, S. (1992) *Portholes: Supporting Awareness in a Distributed Work Group*. Proceedings of the Conference on Human Factors in Computing Systems, CHI' 92 (Monterey, CA), pp. 541 - 547.
- Eick, S.G., Steffen, J.L. and Sumner, E.E. (1992) *Seesoft—A Tool for Visualizing Line Oriented Software Statistics*. In Readings in Information Visualization, Card, S.K., MacKinlay, J.D. and Shneiderman, B., Ed., Morgan Kaufmann Publishers Inc., pp. 419 – 430.
- Endsley, M. (1995) *Measurement of Situational Awareness in Dynamic Systems*. Human Factors, Vol. 37 No. 1: pp. 65 – 84.
- Fowler, M. and Scott, K. (1997) *UML Distilled: Applying the Standard Object Modeling Language*, Addison Wesley Longman.
- Furnas, G.W. (1986) *Generalized fisheye views*. Proceedings of Human Factors in Computing Systems, CHI '86 (New York, N.Y.) pp. 18-23.

- Gaines, B.R. and Shaw, M.L.G. (1995) *Concept Maps as Hypermedia Components*. International Journal of Human-Computer Studies, Vol. 43 No. 3, pp. 323 – 361.
- Greenberg S. and Roseman, M. (Forthcoming 2001) *Using a Room Metaphor to Ease Transitions in Groupware*. In Beyond Knowledge Management: Sharing Expertise, Ackerman, M., Pipek, V., Wulf, V., (Eds), MIT Press (Cambridge, MA).
- Gutwin, C. (1997) *Workspace Awareness in Real-Time Groupware Environments*. Ph.D. thesis, Department of Computer Science, University of Calgary, (Calgary Canada).
- Gutwin, C., Stark, G. and Greenberg, S. (1995). *Support for Workspace Awareness in Educational Groupware*. Proceedings of the ACM Conference on Computer Supported Collaborative Learning (Bloomington, Indiana), pp 17 – 20.
- Habermann, A.N. (1979) *A Software Development Control System*. Technical Report, Department of Computer Science, Carnegie-Mellon University (Pittsburgh, PA), January.
- Havre, S., Hetzler, B. and Nowell, L. (2000) *Theme River: Visualizing Theme Changes Over Time*. Proceedings of the IEEE Symposium on Information Visualization, InfoVis2000 (Salt Lake City, Utah), pp. 115 – 123.
- Hill, W.C. and Hollan, J.D. (1992) *Edit Wear and Read Wear*. Proceedings of Human Factors in Computing Systems, CHI'92 (Monterey CA), pp. 3 – 9.
- Hunt, J., W. and McIlroy, M.D. (1975) *An Algorithm for Differential File Comparison*. Computing Science Technical Report No. 41, Bell Laboratories.
- IBM (1991) *VisualAge*. <http://www-4.ibm.com/software/ad/vajava/>.
- Kahneman, D. (1973) *Attention and Effort*. Prentice-Hall (Englewood Cliffs, N.J.).
- King Features Syndicate Inc. (2001) *Slylockfox*. <http://www.slylockfox.com>.
- Koffka, K. (1935) *Principles of Gestalt Psychology*. Harcourt-Brace (New York, NY).
- Korf, R.E. (1987) *Macro-Operators: A Weak Method for Learning*. Artificial Intelligence Vol. 27: pp. 35 – 77.
- Kurlander, D. (1993) *Graphical Editing by Example*. Proceedings of Human Factors in Computing Systems, InterChi'93, (Amsterdam, The Netherlands), pp. 529.

- Kurlander, D. and Feiner, S. (1991) *Editable Graphical Histories: The Video*. Proceedings of Human Factors in Computing Systems, CHI'91, (New Orleans Louisiana), pp. 451 – 452.
- Kurlander, D. and Feiner, S. (1993) *A History of Editable Graphical Histories*. In Watch What I Do Programming by Demonstration, Cypher, A., Ed., MIT Press (Cambridge, MA.).
- Larkin, J., McDermott, J., Simon, D. and Simon, H.A. (1980) *Models of Competence in Solving Physics Problems*. Cognitive Science Vol. 4: pp. 317 – 348.
- Larkin, J.H. and Simon, H.A. (1987) *Why a Diagram is (Sometimes) Worth Ten Thousand Words*. Cognitive Science Vol. 11: pp. 65 - 99.
- Lesser, V., R. and Erman, L.D. (1980) *Distributed Interpretation: A Model and Experiment*, IEEE Transactions on Computers Vol. 29 No. 12: pp. 1144 – 1163.
- Luqi. (1990) *A Graph Model for Software Evolution*. IEEE Transactions on Software Engineering, Vol. 16 No. 8: pp. 917 – 927.
- Mackinlay, J.D., Robertson, G.G. and Card, S. K. (1991) *The Perspective Wall: Detail and Context Smoothly Integrated*. Proceedings of Human Factors in Computing Systems, CHI'91 (New Orleans Louisiana), pp. 173 - 179.
- Magnusson, B. and Asklund, U. (1996) *Fine Grained Version Control of Configurations in COOP / Orm*. Proceedings of Symposium on Configuration Management, SCM6 (Berlin, Germany).
- McCaffrey, L. (1998) *Representing Change in Persistent Groupware Environments*. GroupLab report, Department of Computer Science, University of Calgary, (Calgary, Canada). www.cpsc.ucalgary.ca/grouplab/papers/
- McGrath, J. (1994) *Methodology Matters: Doing Research in the Social and Behavioral Sciences*. Readings in Human-Computer Interaction: Toward the Year 2000, Baecker, R., Grudin, J., Buxton, W. and Greenberg, S., Ed., Morgan Kaufmann Publishers Inc. (San Francisco, CA) pp. 152 – 169.
- Microsoft Corporation. (1983) *Word*. <http://www.microsoft.com/office/word/default.htm>.
- Microsoft Corporation. (1992) *Visual SourceSafe*. <http://msdn.microsoft.com/vstudio/>.

- Microsoft Corporation (1995). *PhotoDraw*.
<http://www.microsoft.com/office/photodraw/default.htm>.
- Nachbar, D. (1988) *Spiff—A Program for Making Controlled Approximate Comparisons of Files*. The Proceedings of the Summer 1988 USENIX Conference (San Francisco, CA) pp. 73 – 84.
- Neuwirth, C.M. and Kaufer, D.S. (1989) *The Role of External Representations in the Writing Process: Implications for the Design of Hypertext-based Writing Tools*. Proceedings of Hypertext '89 (Pittsburgh, PA), pp. 319 – 342.
- Neuwirth, C.M., Chandhok, R., Kaufer, D.S., Erion, P., Morris, J. and Miller, D. (1992) *Flexible Diff-ing in a Collaborative Writing System*. Proceedings of Conference on Collaborative Work, CSCW '92 (Toronto Canada), pp. 147 – 154.
- Neuwirth, C., M., Kaufer, D.S., Chandhok, R. and Morris, J., H. (1990) *Issues in the Design of Computer Support for Co-authoring and Commenting*. Proceedings of Conference on Collaborative Work, CSCW'90 (Los Angeles, CA), pp. 183 – 195.
- Nielsen, J. (1993) Usability Engineering, Morgan Kaufmann Publishers Inc (San Francisco, CA).
- Nilsson, N.J. (1980) *Principles of Artificial Intelligence*. Tioga Publishing Co (Paolo Alto, CA).
- Plaisant, C., Milash, B., Rose, A., Widoff, S. and Shneiderman, B. (1996) *Lifelines: Visualizing Personal Histories*. Proceedings of Human Factors in Computing Systems, CHI'96, (Vancouver Canada), pp. 221 - 227.
- Pressman, R.S. (1997) *Software Engineering a Practitioner's Approach Fourth Edition*, McGraw-Hill.
- Rational Software Corporation. (1991) *Rational Rose*.
<http://www.rational.com/products/rose/index.jsp>.
- Resnikoff, H.L. (1989) *The Illusion of Reality*. Springer-Verlag (New York, NY).
- Rochkind, M.J. (1975) *The source code control system*. IEEE Transactions on Software Engineering Vol. 1 No. 4: pp. 364-370.
- Roseman, M. (1996). *Managing Complexity in TeamRooms, a Tcl-Based Internet Groupware Application*. Proceedings of the Tcl/Tk Workshop (Monterey, CA).

- Roseman, M. and Greenberg, S. (1996a). *TeamRooms: Network Places for Collaboration*. Proceedings of Conference on Computer Supported Cooperative Work, CSCW'96 (Cambridge MA), pp. 325 – 333.
- Roseman, M. and Greenberg, S. (1996b). *TeamRooms: Groupware for Shared Electronic Spaces*. Proceedings of Conference on Human Factors in Computing System, ACM SIGCHI'96 (Vancouver, BC), pp. 275 - 276.
- Rumbaugh, J., Jacobson, I. and Booch, G. (1999) *The Unified Modeling Language Reference Manual*. Addison-Wesley.
- Samuels, S.J., and Kamil, M.L. (1984) *Models of the Reading Process*. In the Handbook of Reading Research, D.P. Pearson, Ed., Longman Inc., N.Y., pp. 185 – 224.
- Schaffer, D., Zuo, Z., Greenberg, S., Bartram, L., Dill, J., Dubs, S. and Roseman, M. (1996). *Navigating Hierarchically Clustered Networks Through Fisheye and Full-Zoom Methods*. ACM Transactions on Computer-Human Interaction, Vol. 3 No. 2: p162-188.
- Shneiderman, B. (1983) *Direct Manipulation: A Step Beyond Programming Languages*, IEEE Computer, Vol. 16. pp. 57 – 68.
- Shneiderman, B. (1984) *Dynamic Queries for Visual Information Seeking*, IEEE Software Vol. 11 No. 6: pp. 70 – 77.
- Shneiderman, B. (1996) *The Eyes Have It: A Task by Data Type Taxonomy for Information Visualization*. Proceedings of IEEE Symposium on Visual Languages, VL'96 (Boulder, CO), pp. 336 – 343.
- Sobell, M.G. (1999) *A Practical Guide to Solaris*. Addison-Wesley (Reading, MA).
- Spence, R. and Apperley, M.D., (1982) *Data base navigation: an office environment for the professional*. Behaviour and Information Technology Vol. 1 No. 1, pp.43-54
- Steves, M.P., Morse, E., Gutwin, C. and Greenberg, S. (2001) *A Comparison of Usage Evaluation and Inspection Methods for Assessing Groupware Usability*. Proceedings of the International Conference on Supporting Group Work, Group '01 (Boulder, CO), <http://www.cpsc.ucalgary.ca/grouplab/papers>
- Suchman, L.A. (1987) *Plans and Situated Actions: The Problem of Human Machine Communication*. Cambridge University Press.
- Sun Microsystems Inc. (1996) Java. <http://java.sun.com/j2se/1.3/>.

Tam, J., McCaffrey, L., Maurer, F. and Greenberg, S. (2000) *Change Awareness in Software Engineering Using Two Dimensional Graphical Design and Development Tools*. Technical Report 2000-670-22, Department of Computer Science, University of Calgary (Calgary, Canada),
<http://www.cpsc.ucalgary.ca/grouplab/papers>

TeamWave Software Ltd. (1997) *TeamWave*. <http://www.teamwave.com>.

Thomas, D. and Johnson, K. (1988) Orwell: *A Configuration Management System for Team Programming*. Meyrowitz, N. Ed., Proceedings of Conference on Object-Oriented Programming Systems, Languages and Applications, OOPSLA'88 (San Diego, CA), pp. 135 - 141.

Tichy, W. F. (1991) *RCS – A System for Version Control*. Software – Practice and Experience, Vol. 15 No. 7: pp 637 – 654.

Tigris. (1995) *GEF* (the Graph Editing Framework). <http://gef.tigris.org/index.html>.

Tigris. (1999) *Argo/UML*. <http://argouml.tigris.org/>.

Tigris. (2000) An open source research community, <http://argouml.tigris.org>.

Wroblewski, D., Hill, W.C. and Mccandless, T. (1990) *Attribute-mapped Scroll Bars*, U.S. Patent Applications: Serial No. 07/523,117 filed May 14, Serial No. 07/626, 130 filed Dec 11, 1990.