

Bibliography

Arnheim, Rudolf. *Visual Thinking*. Berkeley and Los Angeles: University of California Press, 1969.

Beyer, Hugh and Karen Holtzblatt. *Contextual Design: A Customer-Centered Approach to Systems Design*. San Francisco: Morgan Kaufmann Publishers, 1997.

Booth, Wayne C., Gregory G. Colomb and Joseph M. Williams. *The Craft of Research*. Chicago: The University of Chicago Press, 1995.

Branaghan, Russell J., ed. *Design by People for People: Essays on Usability*. Chicago: Usability Professionals' Association, 2000.

Campbell, Jeremy. *Grammatical Man: Information, Entropy, Language and Life*. New York: Simon & Shuster Trade, 1982.

Davenport, Thomas H. and John C. Beck. *The Attention Economy: Understanding the New Currency of Business*. Cambridge, MA: Harvard Business School Publishing, 2001.

Davenport, Thomas H. and Laurence Prusak. *Working Knowledge*. Cambridge, MA: Harvard Business School Publishing, 2000.

Fleming, Jennifer. Richard Koman, ed. *Web Navigation: Designing the User Experience*. Sebastopol, CA: O'Reilly & Associates, 1998.

Flower, Linda. *Problem-Solving Strategies for Writing*. New York: Harcourt Brace Jovanovich, 1993.

Gerstner, Karl. *Compendium for Literates: A System of Writing*. Cambridge, MA: MIT Press, 1974.

Gilbert, Thomas F. *Human Competence: Engineering Worthy Performance*. Amherst, MA: International Society for Performance Improvement and HRD Press, 1996.

Hackos, JoAnn T. and Janice C. Redish. *User and Task Analysis for Interface Design*. New York: John Wiley & Sons, 1998.

Horn, Robert E. *Developing Procedures, Policies and Documentation*. Waltham, MA: Information Mapping, 1992.

Horn, Robert E. *Visual Language: Global Communication for the 21st Century*. Bainbridge Island, WA: MacroVU, 1998.

Horton, William. *Designing and Writing Online Documentation*. New York: John Wiley & Sons, 1994.

- Houp, Kenneth W., Thomas E. Pearsall and Elizabeth Tebeaux. *Reporting Technical Information*. New York: John Wiley & Sons, 1999.
- Howard, V. A., PhD and J.H. Barton, MA. *Thinking on Paper: Refine, Express, and Actually Generate Ideas by Understanding the Processes of the Mind*. New York: William Morrow, 1988.
- Jacobson, Robert, ed. *Information Design*. Cambridge, MA: MIT Press, 1999.
- Kolln, Martha. *Rhetorical Grammar: Grammatical Choices, Rhetorical Effects*. Boston: Allyn & Bacon, 1996.
- Kreitzberg, Charles B. and Ben Shneiderman. "Making Computer & Internet Usability A Priority." *Essays on Usability*. Princeton: Cognetics, 2001.
- Krug, Steve. *Don't Make Me Think! A Common Sense Approach to Web Usability*. Indianapolis: New Riders Publishing, 2000.
- Lamott, Anne. *Bird by Bird: Some Instructions on Writing & Life*. New York: Doubleday, 1995.
- Levi, Michael D. and Frederick G. Conrad. *Usability Testing of World Wide Web Sites*. 1998.
- Lynch, Patrick J. and Sarah Horton. *Web Style Guide: Basic Design Principles for Creating Web Sites*. New Haven: Yale University Press, 1999.
- Nielsen, Jakob. *Designing Web Usability: The Practice of Simplicity*. Indianapolis: New Riders Publishing, 2000.
- Nielsen, Jakob. Interview by Katharine Mieszkowski. "Usability Makes the Web Click," *Fast Company*, October 1998.
- Nielsen, Jakob. "Cost of User Testing a Website." www.useit.com. Alertbox, May 3, 1998.
- Nielsen, Jakob. "Be Succinct! (Writing for the Web)." www.useit.com. Alertbox, March 15, 1997.
- O'Conner, Patricia T. *Words Fail Me: What Everyone Who Writes Should Know About Writing*. New York: Harcourt Trade, 2000.
- Rosenfeld, Louis and Peter Morville, *Information Architecture for the World Wide Web: Designing Large-Scale Web Sites*. Sebastopol, CA: O'Reilly & Associates, 1998.
- Schriver, Karen A. *Dynamics in Document Design: Creating Text for Readers*. New York: John Wiley & Sons, 1994.

- Shedroff, Nathan. *Experience Design 1*. Indianapolis: New Riders, March 2001.
- Shneiderman, Ben. *Designing the User Interface: Strategies for Effective Human-Computer Interaction*. Reading, MA: Addison-Wesley, 1997.
- Souza, Randy, et al. *Get ROI From Design*. The Forrester Report, June 2001.
- Souza, Randy, et al. *How to Measure What Matters*. The Forrester Report, September 2001.
- Trenner, Lesley and Joanna Bawa, eds. *The Politics of Usability: A Practical Guide to Designing Usable Systems in Industry*. New York; Springer-Verlag New York, 1998.
- Viemeister, Tucker. In "A Conversation about The Good, The Bad, And The Ugly," *WIRED*, January 2001.
- Williams, Joseph M. *Style: Ten Lessons in Clarity and Grace*. New York: Addison Wesley Longman, 1999.
- Williams, Robin. *The Non-Designer's Design Book*. Berkeley, CA: Peachpit Press, 1994.
- Williams, Robin and John Tollett. *The Non-Designer's Web Book: An Easy Guide to Creating, Designing, and Posting Your Own Web Site*. Berkeley, CA: Peachpit Press, 2000.
- Wurman, Richard Saul. *Information Anxiety 2*. Indianapolis: Que, 2000.
- Zander, Rosamund Stone. *The Art of Possibility: Transforming Personal and Professional Life*. Cambridge, MA: Harvard Business School Publishing, 2000.
- Zinsser, William. *On Writing Well: The Classical Guide to Writing Nonfiction*. New York: HarperCollins, 1998.

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