References

- Agresti, A., & Coull, B. (1998). Approximate is better than 'exact' for interval estimation of binomial proportions. *The American Statistician*, *52*, 119–126.
- Albert, W. (2002). Do Web users actually look at ads? A case study of banner ads and eye-tracking technology. Proceedings of the Usability Professionals Association Conference 2002, Orlando.
- Albert, W., & Dixon, E. (2003). Is this what you expected? The use of expectation measures in usability testing. Proceedings of the Usability Professionals Association 2003 Conference, Scottsdale, AZ.
- Aldenderfer, M., & Blashfield, R. (1984). *Cluster analysis (quantitative applications in the social sciences*). Beverly Hills, CA: Sage Publications, Inc.
- American Institutes for Research. (2001). Windows XP Home Edition vs. Windows Millennium Edition (ME) public report. Concord, MA: New England Research Center. Available at http://download.microsoft.com/download/d/8/1/d810ce49-d481-4a55-ae63-3fe2800cbabd/ME_Public.doc.
- Anttonen, J., & Surakka, V. (2005). Emotions and heart rate while sitting on a chair. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, Portland, OR, 491–499.
- Apple Computer Inc. (1982). Apple IIe design guidelines. Cupertino, CA: Apple Computer, Inc.
- Bailey, B. (2005). Judging the severity of usability issues on web sites: This doesn't work. *Usability Updates Newsletters*. Available at http://www.usability.gov/pubs/102005news.html.
- Barnum, C., Bevan, N., Cockton, G., Nielsen, J., Spool, J., & Wixon, D. (2003). The "magic number 5": Is it enough for web testing? *CHI 2003*, April 5-10, Ft. Lauderdale, FL.
- Benedek, J., & Hazlett, R. (2005). Incorporating facial EMG emotion measures as feedback in the software design process. *Human Computer Interaction Consortium*, February, Colorado.
- Benedek, J., & Miner, T. (2002). Measuring desirability: New methods for evaluating desirability in a usability lab setting. *Usability Professionals Association Conference*, July 8–12, Orlando. Also available at http://www.microsoft.com/usability/UEPostings/Desirability Toolkit.doc. Also see the appendix listing the Product Reaction Cards at http://www.microsoft.com/usability/UEPostings/ProductReactionCards.doc.
- Bias, R., & Mayhew, D. (2005). *Cost-justifying usability: An update for the Internet age*, 2nd ed. San Francisco: Morgan Kaufmann.
- Birns, J. H., Joffre, J. A., Leclerc, J. F., & Paulsen, C. A. (2002). Getting the whole picture—The importance of collecting usability data using both concurrent think aloud and retrospective probing procedures. *Usability Professionals Association Conference*, July 8-12, Orlando. Also available at http://www.usabilityair.org/publications/cbristinepaulsen/upa_tbinkaloud_paper.pdf.
- Breyfogle, F. (1999). *Implementing Six Sigma: Smarter solutions using statistical methods*. New York: John Wiley.
- Brooke, J. (1996). SUS: A quick and dirty usability scale. In P. W. Jordan, B. Thomas, B. A. Weerdmeester, & I. L. McClelland (Eds.), *Usability evaluation in industry*. London: Taylor & Francis. Also see http://www.usability.serco.com/trump/documents/Suschapt.doc.
- Brush, A. J. B., Ames, M., & Davis, J. (2004). A comparison of synchronous remote and local usability studies for an expert interface. *Proceedings of CHI 2004 Conference*. Available at http://www.stanford.edu/~morganya/research/chi2004-remote.pdf.

- Castillo, J. C., Hartson, H. R., & Hix, D. (1998). Remote usability evaluation: Can users report their own critical incidents? *Proceedings of CHI '98 Conference*.
- Catani, M., & Biers, D. (1998). Usability evaluation and prototype fidelity. *Proceedings of the Human Factors and Ergonomic Society*.
- Chadwick-Dias, A., Bergel, M., LeDoux, L., & Tullis, T. (2005). How to improve Web usability for older users. *Proceedings of HCI International 2005 Conference*, July, Las Vegas.
- Chadwick-Dias, A., McNulty, M., & Tullis, T. (2003). Web usability and age: How design changes can improve performance. *Proceedings of the 2003 ACM Conference on Universal Usability*, Vancouver, BC.
- Chin, J. P., Diehl, V. A., & Norman, K. L. (1988). Development of an instrument measuring user satisfaction of the human-computer interface. *ACM CHI '88 proceedings*, 213–218.
- Cockton, G., & Woolrych, A. (2001). Understanding inspection methods: Lessons from an assessment of heuristic evaluation. *Joint Proceedings of HCI and IHM: People and Computers, XV*.
- Darwin, C. (1872). The expression of the emotions in man and animals. London: John Murray, Albemarle Street. Available at http://pages.britisblibrary.net/cbarles.darwin3/expression/expression_intro.btm.
- den Uyl, M. J., & van Kuilenburg, H. (2005). The FaceReader: Online facial expression recognition. *Proceedings of Measuring Behavior 2005*. Available at http://www.noldus.com/site/content/files/other_downloads/fc_denuyl_and_vankuilenburg_2005.pdf.
- Dennerlein, J., Becker, T., Johnson, P., Reynolds, C. J., & Picard, R. W. (2003). Frustrating computer users increases exposure to physical factors. *Proceedings of the International Ergonomics Association*, August 24–29, Seoul.
- Dillman, D. A., Phelps, G., Tottora, R, Swift, K, Kohrell, J., & Berck, J. (2001). Response rate and measurement differences in mixed mode surveys using mail, telephone, interactive voice response, and the Internet. Available at http://survey.sesrc.wsu.edu/dillman/papers.htm.
- Dumas, J., Molich, R., & Jeffries, R. (2004). Describing usability problems: Are we sending the right message? *Interactions*, July-August.
- Educause. (2005). Recommended readings of the top-ten IT issues. Available at www.educause.edu/ ir/library/pdf/ERM0566.pdf.
- Ekman, P., & Friesen, W. V. (1975). *Unmasking the face: A guide to recognizing emotions from facial clues*. Englewood Cliffs, NJ: Prentice Hall.
- Ekman, P., Friesen, W. V., & Hager, J. C. (2002). The facial action coding system, 2nd ed. Salt Lake City: Research Nexus eBook.
- Ekman, P., Sorenson, E. R., & Friesen, W. V. (1969). Pan-cultural elements in facial displays of emotions. *Science*, 164(3875), 86–88.
- Essa, I. A., & Pentland, A. P. (1997). Coding, analysis, interpretation, and recognition of facial expressions. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 19(7), 757–763.
- Everett, S. P., Byrne, M. D., & Greene, K. K. (2006). Measuring the usability of paper ballots: Efficiency, effectiveness, and satisfaction. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting*. Santa Monica, CA.
- Few, S. (2004). Show me the numbers: Designing tables and graphs to enlighten. Oakland, CA: Analytics Press.

- . (2006). *Information dashboard design: The effective visual communication of data*. Sebastopol, CA: O'Reilly.
- Fogg, B. J., Marshall, J., Laraki, O., Osipovich, A., Varma, C., Fang, N., Paul, J., Rangnekar, A., Shon, J., Swani, P., & Treinen, M. (2001). What makes a Web site credible? A report on a large quantitative study. *Proceedings of ACM CHI 2001 Conference on Human Factors in Computing Systems*, 1, 61–68. New York: ACM Press.
- ForeSee Results (2006). E-Government Satisfaction Index, June 20, Ann Arbor, MI. Available at http://www.ForeSeeResults.com.
- Fukuda, R., & Bubb, H. (2003). Eye tracking study on Web-use: Comparison between younger and elderly users in case of search task with electronic timetable service. *PsychNology Journal*, *1*(3), 202-228.
- Gall, M. D., Borg, W. R., & Gall, J. P. (1996). *Educational research: An introduction*, 6th ed. White Plains. NY: Longman.
- Granholm, E., Asarnow, R. F., Sarkin, A. J., & Dykes, K. L. (1996). Pupillary responses index cognitive resource limitations. *Psychophysiology*, *33*, 457–461.
- Gygi, C., DeCarlo, N., Williams, B., & Covey, S. (2005). Six Sigma for dummies. Hoboken, NJ: John Wiley.
- Hammontree, M., Weiler, P., & Nayak, N. (1994). Remote usability testing. Interactions, July 21-25.
- Harris, R. L. (1999). Information graphics: A comprehensive illustrated reference. New York: Oxford University Press.
- Hart, T. (2004). Designing "senior friendly" Websites: Do guidelines help? *Usability News*, 6.1. http://psychology.wichita.edu/surl/usabilitynews/61/older_adults-withexp.htm.
- Hartson, H. R., Castillo, J. C., Kelso, J., & Neale, W. C. (1996). Remote evaluation: The network as an extension of the laboratory. *Proceedings of CHI '96 Conference*. Vancouver, BC.
- Hazlett, R. L. (2003). Measurement of user frustration: A biologic approach. *Proceedings of CHI Conference on Human Factors in Computing Systems*, v2. New York: ACM Press.
- Hazlett, R. L., & Benedek, J. (2005). Measuring the emotional reaction to passive first impression of software. *Proceedings of Designing Pleasurable Products and Interfaces*. Eindhoven, Netherlands: Springer-Verlag.
- Henry, S. (2007). Just ask: Integrating accessibility throughout design. Available at Lulu.com.
- Hertzum, M., Jacobsen, N., & Molich, R. (2002). Usability inspections by groups of specialists: Perceived agreement in spite of disparate observations. *CHI 2002*, Minneapolis.
- Hess, E. H., & Polt, J. M. (1964). Pupil size in relation to mental activity during simple problemsolving. *Science*, 143, 1190-1192.
- International Standards Organization—ISO 9241-11. (1998). Ergonomic requirements for office work with visual display terminals (VDTs); Part 11—Guidance on usability, 22.
- Iqbal, S. T., Zheng, X. S., & Bailey, B. P. (2004). Task-evoked pupillary response to mental workload in human-computer interaction. Extended Abstracts of the ACM Conference on Human Factors in Computing Systems, Vienna.
- Jacobsen, N., Hertzum, M., & John, B. (1998). The evaluator effect in usability studies: Problem detection and severity judgments. Proceedings of the Human Factors and Ergonomics Society.
- Kahneman, D. (1973). Attention and effort. Englewood Cliffs, NJ: Prentice-Hall.
- Kahneman, D., & Beatty, J. (1966). Pupil diameter and load on memory. Science, 154, 1583-1585.

- Kapoor, A., Mota, S., & Picard, R. (2001). Towards a learning companion that recognizes affect. AAAI Fall Symposium. November, North Falmouth, MA.
- Kaushik, A. (2007). Web analytics: An hour a day. Sybex; Pap/Cdr edition (June).
- Kessner, M., Wood, J., Dillon, R., & West, R. (2001). On the reliability of usability testing. Proceedings of CHI 2001, Seattle.
- Kirkpatrick, A., Rutter, R., Heilmann, C., Thatcher, J., & Waddell, C. (2006). Web accessibility: Web standards and regulatory compliance. Available online from Friends of ED at http://www.friendsofed.com/book/html?isbn=1590596382.
- Kohavi, R., & Round, M. (2004). Front line Internet analytics at Amazon.com. *Presentation at Emetrics Summit 2004*. Retrieved on May 22, 2007, from *http://ai.stanford.edu/~ronnyk/emetricsAmazon.pdf*.
- Krug, S. (2000). Don't make me think! A common sense approach to Web usability. Indianapolis: New Riders Press.
- Kruskal, J., & Wish, M. (2006). Multidimensional scaling (quantitative applications in the social sciences). Beverly Hills, CA: Sage Publications, Inc.
- Kuniavsky, M. (2003). Observing the user experience: A practitioner's guide to user research. San Francisco: Morgan Kaufmann.
- LeDoux, L., Connor Mangan, E., & Tullis, T. (2005). Extreme makeover: UI edition. *Proceedings of the Usability Professionals Association Conference*, Montreal. Available at http://www.upassoc.org/usability-resources/conference/2005/ledoux-UPA2005-Extreme.pdf.
- Lewis, J. R. (1991). Psychometric evaluation of an after-scenario questionnaire for computer usability studies: The ASQ. *SIGCHI Bulletin*, 23(1), 78–81. Also see http://www.acm.org/~perlman/question.cgi?form=ASQ.
- ——. (1992). Psychometric evaluation of the post-study system usability questionnaire: The PSSUQ. Proceedings of the Human Factors Society 36th Annual Meeting, 1259–1263, Santa Monica, CA.
- . (1994). Sample sizes for usability studies: Additional considerations. *Human Factors*, *36*, 368-378.
- ——. (1995). IBM computer usability satisfaction questionnaires: Psychometric evaluation and instructions for use. *International Journal of Human-Computer Interaction*, 7(1), 57–78. Also see http://www.acm.org/~perlman/question.cgi?form=CSUQ.
- Lewis, J., & Sauro, J. (2006). When 100% really isn't 100%: Improving the accuracy of small-sample estimates of completion rates. *Journal of Usability Studies*, 1(3), 136–150. Also see http://www.upassoc.org/upa_publications/jus/2006_may/lewis_small_sample_estimates.pdf.
- Libby, W. L., Jr., Lacey, B. C., & Lacey, J. I. (1973). Pupillary and cardiac activity during visual attention. Psychophysiology, 10, 270-294.
- Likert, R. (1932). A technique for the measurement of attitudes. Archives of Psychology, 140, 55.
- Lin, T., Hu, W., Omata, M., & Imamiya, A. (2005). Do physiological data relate to traditional usability indexes? *Proceedings of OZCHI 2005*, November 23–25, Canberra, Australia.
- Lindgaard, G., & Chattratichart, J. (2007). Usability testing: What have we overlooked? *Proceedings of ACM CHI Conference on Human Factors in Computing Systems*.
- Lindgaard, G., Fernandes, G., Dudek, C., & Brown, J. (2006). Attention web designers: You have 50 milliseconds to make a good first impression! *Behaviour & Information Technology*, 25, 115–126.

- Lund, A. (2001). Measuring usability with the USE questionnaire. Usability and User Experience Newsletter of the STC Usability SIG. See http://www.stcsig.org/usability/newsletter/ 0110_measuring_with_use.html.
- Marshall, S. (2000). Method and apparatus for eye tracking and monitoring pupil dilation to evaluate cognitive activity. U.S. Patent approved, February.
- Martin, P., & Bateson, P. (1993). Measuring behaviour, 2nd ed. Cambridge: Cambridge University Press.
- Maurer, D., & Warfel, T. (2004). Card sorting: A definitive guide. Boxes and Arrows, April. Retrieved on May 26, 2007, from bttp://www.boxesandarrows.com/archives/card_sorting_a_definitive_guide.php.
- Mayhew, D., & Bias, R. (1994). Cost-justifying usability. San Francisco: Morgan Kaufmann.
- McGee, M. (2003). Usability magnitude estimation. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, Denver.
- ——. (2004). Master usability scaling: Magnitude estimation and master scaling applied to usability measurement. *Proceedings of CHI Conference on Human Factors in Computer Systems*, Vienna. New York: ACM Press.
- McRobbie, M. (1998). Architecture for the 21st century: An information technology strategic plan for Indiana University. Bloomington: Indiana University.
- Molich, R., Bevan, N., Butler, S., Curson, I., Kindlund, E., Kirakowski, J., & Miller, D. (1998). Comparative evaluation of usability tests. *Usability Professionals Association Conference*, Washington, DC.
- Molich, R., & Dumas, J. (2006). Comparative usability evaluation (CUE-4). Behaviour & Information Technology, 99999(1), 0144-929X. Retrieved on August 27, 2007, from http://www.informa world.com/10.1080/01449290600959062.
- Molich, R., Jeffries, R., & Dumas, J. (2007). Making usability recommendations useful and usable. *Journal of Usability Studies*, 2(4), 162–179. Available at http://www.upassoc.org/upa_publications/jus/2007august/useful-usable.pdf.
- Motorola. (2007). *About Motorola University: The inventors of Six Sigma*. Retrieved on May 28, 2007, from http://www.motorola.com/content.jsp?globalObjectId=3079.
- Mueller, J. (2003). Accessibility for everybody: Understanding the Section 508 accessibility requirements. Berkeley, CA: Apress.
- Nancarrow, C., & Brace, I. (2000). Saying the "right thing": Coping with social desirability bias in marketing research. *Bristol Business School Teaching and Research Review*, 3(Summer).
- National Institute of Standards and Technology (NIST). (1999). Common industry format for usability test reports. See http://zing.ncsl.nist.gov/iusr/documents/cifv1.1b.htm.
- . (2001). ANSI/INCITS 354-2001: Common Industry Format (CIF) for usability test reports. See http://webstore.ansi.org/ansidocstore/product.asp?sku=ANSI+INCITS+354-2001.
- NCSS. (2007). NCSS: Statistical and power analysis software. Retrieved on May 26, 2007, from http://www.ncss.com/.
- Nielsen, J. (Undated). Severity ratings for usability problems. Available at http://www.useit.com/papers/beuristic/severityrating.html.
- —. (1993). Usability engineering. San Francisco: Morgan Kaufmann.

- . (1998). Sun Microsystems 1997 Web Design, January 13. Retrieved on May 28, 2007, from http://www.useit.com/papers/sun/1997/.
- ——. (2000). Why you only need to test with 5 users. *AlertBox*, March 19. Available at *http://www.useit.com/alertbox/20000319.html*.
- ——. (2001a). Jakob Nielsen's AlertBox, February 18. Success rate: The simplest usability metric. Available at http://www.useit.com/alertbox/20010218.html.
- ——. (2001b). Designing web ads using click-through data. AlertBox, September 2. Retrieved on May 22, 2007, from http://www.useit.com/alertbox/20010902.html.
- ——. (2001c). Beyond accessibility: Treating users with disabilities as people. *AlertBox*, November 11. Retrieved on May 27, 2007, from *http://www.useit.com/alertbox/20011111.html*.
- ——. (2005). Medical usability: How to kill patients through bad design. Available at http://www.useit.com/alertbox/20050411.html.
- Nielsen, J., & Landauer, T. (1993). A mathematical model of the finding of usability problems. ACM Proceedings, Interchi 93, Amsterdam.
- Nunnally, J. C., Knott, P. D., Duchnowski, A., & Parker, R. (1967). Pupillary response as a general measure of activation. *Perception & Psychophysics*, 2, 149–150.
- Osgood, C. E., Suci, G., & Tannenbaum, P. (1957). *The measurement of meaning*. Urbana: University of Illinois Press.
- Pande, P., & Holpp, L. (2001). What is Six Sigma? New York: McGraw-Hill.
- Peterson, E. (2004). Web analytics demystified: A marketer's guide to understanding bow your Web site affects your business. Portland, OR: Celilo Group Media.
- Picard, R., & Scheirer, J. (2001). The Galvactivator: A glove that senses and communicates skin conductivity. *Proceedings of the 9th International Conference on Human–Computer Interaction*, New Orleans.
- Pyzdek, T. (2003). The Six Sigma handbook: The complete guide for greenbelts, blackbelts, and managers at all levels, revised and expanded edition. New York: McGraw-Hill.
- Rehabilitation Act as Amended, Section 508 of the 1973. (1998). Workforce Investment Act of 1998, Pub. L. No. 105-220, 112 Stat. 936 (August 7). Codified at 29 U.S.C. §794d.
- RelevantView. (2006). Ratings, reviews and the customer decision process: Amazon v. Best Buy v. CircuitCity v. WalMart. March/April. Available at http://www.relevantview.com/retailreport.btm.
- Reynolds, C. (2005). Adversarial uses of affective computing and ethical implications. Ph.D. Thesis, Massachusetts Institute of Technology, Cambridge. Available at http://affect.media.mit.edu/pdfs/05.reynolds-phd.pdf.
- Rubin, J. (1994). *Handbook of usability testing. How to plan, design, and conduct effective tests.*New York: John Wiley.
- Sauro, J., & Kindlund, E. (2005). A method to standardize usability metrics into a single score. Proceedings of the Conference on Human Factors in Computing Systems (CHI 2005), Portland, OR.
- Sauro, J., & Lewis, J. (2005). Estimating completion rates from small samples using binomial confidence intervals: Comparisons and recommendations. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, Orlando.

- Shaikh, A., Baker, J., & Russell, M. (2004). What's the skinny on weight loss websites? *Usability News*, 6(1), Available at http://psychology.wicbita.edu/surl/usabilitynews/61/diet_domain.btm.
- Smith, P. A. (1996). Towards a practical measure of hypertext usability. *Interacting with Computers*, 8,(4), 365–381.
- Snyder, C. (2006). Bias in usability testing. Boston Mini-UPA Conference, March 3, Natick, MA.
- Sostre, P., & LeClaire, J. (2007). Web analytics for dummies. New York: John Wiley.
- Spool, J., & Schroeder, W. (2001). Testing web sites: Five users is nowhere near enough. CHI 2001, Seattle.
- Steinhauer, S. R., Boller, F., Zubin, J., & Pearlman, S. (1983). Pupillary dilation to emotional visual stimuli revisited. *Psychophysiology*, 20, 472.
- Sterne, J. (2002). Web metrics: Proven methods for measuring Web site success. New York: John Wiley.
- Stevens, S. S. (1957). On the psychophysical law. Psychological Review, 64(3), 153-181.
- Stover, A., Coyne, K., & Nielsen, J. (2002). *Designing usable site maps for Websites*. Available at http://www.nngroup.com/reports/sitemaps/.
- Tedesco, D., & Tullis, T. (2006). A comparison of methods for eliciting post-task subjective ratings in usability testing. *Usability Professionals Association Conference*, June 12-16, Broomfield, CO.
- Thomas, J. (2003). Indiana University's Enterprise portal as a service delivery framework in designing portals: Opportunities and challenges. In A. Jafari & M. Sheehan, Eds., *Designing portals: Opportunities and challenges*. Hershey, PA: Information Science Publishing.
- Trimmel, M., Meixner-Pendleton, M., & Haring, S. (2003). Stress response caused by system response time when searching for information on the Internet: Psychophysiology in ergonomics. *Human Factors*, 45(4), 615–621.
- Tufte, E. R. (1990). Envisioning information. Chesire, CT: Graphics Press.
- ——. (1997). Visual explanations: Images and quantities, evidence and narrative. Chesire, CT: Graphics Press.
- ——. (2001). The visual display of quantitative information, 2nd ed. Chesire, CT: Graphics Press.
- ——. (2006). Beautiful evidence. Chesire, CT: Graphics Press.
- Tullis, T. S. (1985). Designing a menu-based interface to an operating system. *Proceedings of CHI* '85 Conference on Human Factors in Computing Systems, San Francisco.
- ——. (1998). A method for evaluating web page design concepts. *Proceedings of CHI '98 Conference on Computer-Human Interaction*, Los Angeles.
- ——. (2005). How reliable are the results of a usability test? Boston Mini-UPA Conference, March 3, Natick, MA.
- ——. (2007). Using closed card-sorting to evaluate information architectures. Usability Professionals Association Conference, Austin, TX.
- Tullis, T. S., Fleischman, S., McNulty, M., Cianchette, C., & Bergel, M. (2002). An empirical comparison of lab and remote usability testing of Web sites. *Usability Professionals Association Conference*, Orlando. Available at http://bome.comcast.net/~tomtullis/publications/RemoteVsLab.pdf.

- Tullis, T. S., Mangan, E. C., & Rosenbaum, R. (2007). An empirical comparison of on-screen keyboards. *Human Factors and Ergonomics Society 51st Annual Meeting*, October 1–5, Baltimore.
- Tullis, T. S., & Stetson, J. (2004). A comparison of questionnaires for assessing Website usability. Usability Professionals Association Conference, June 7-11, Minneapolis. Available at http://bome.comcast.net/%7Etomtullis/publications/UPA2004TullisStetson.pdf. Slides http://www.upassoc.org/usability_resources/conference/2004/UPA-2004-TullisStetson.pdf.
- Tullis, T. S., & Tullis, C. (2007). Statistical analyses of e-commerce Websites: Can a site be usable and beautiful? *Proceedings of HCI International Conference*, Beijing.
- Tullis, T. S., & Wood, L. (2004). How many users are enough for a card-sorting study? *Proceedings of the Usability Professionals Association Conference*, June 7-11, Minneapolis. Available at http://websort.net/articles/Tullis&Wood.pdf.
- ——. (2005). How can you do a card-sorting study with lots of cards? Usability Professionals Association Conference, Montreal.
- Turner, C., Nielsen, J., & Lewis, J. (2002). Current issues in the determination of usability test sample size: How many users is enough? *Usability Professionals Association Conference*, Orlando.
- Usability Professionals Association. See http://upassoc.org/usability_resources/about_usability/definitions_of_usability.btml.
- Usborne, N. (2005). Design choices can cripple a Website. *A List Apart*, November 8. Retrieved on May 22, 2007, from *http://alistapart.com/articles/designcancripple*.
- Virzi, R. (1992). Refining the test phase of the usability evaluation: How many subjects is enough? *Human Factors*, 34(4), 457-468.
- Ward, R., & Marsden, P. (2003). Physiological responses to different WEB page designs. *International Journal of Human-Computer Studies*, 59, 199-212.
- Wilson, C. (1999). Readers' questions: Severity scales. *Usability Interface*, 5(4). Available at http://www.stcsig.org/usability/newsletter/9904-severity-scale.btml.
- Wilson, C., & Coyne, K. P. (2001). Tracking usability issues: To bug or not to bug? *Interactions*, May-June.
- Withrow, J., Brinck, T., & Speredelozzi, A. (2000). Comparative usability evaluation for an e-government portal. Diamond Bullet Design Report, #U1-00-2, December, Ann Arbor, MI. Available at http://www.diamondbullet.com/egovportal.pdf.
- Woolrych, A., & Cockton, G. (2001). Why and when five test users aren't enough. Proceedings of IHM-HCI 2001, 2, 105-108. Toulouse, France: Cépaduès-Éditions.
- World-Wide Web Consortium. (1999). Web content accessibility guidelines 1.0. Retrieved on May 27, 2007, from http://www.w3.org/TR/WAI-WEBCONTENT/.
- Zazelenchuk, T. W. (2002). Measuring satisfaction in usability tests: A comparison of questionnaire administration methods and an investigation into users' rationales for satisfaction. *Dissertation Abstracts International*, 63(05A): UMI No. 3054425.
- Zazelenchuk, T. W., & Boling, E. (2003). Considering user satisfaction in designing web-based portals. *Educause Quarterly*, 26(1), 35–40.