

REFERENCES

- Abrizah, A. and Zainab, A. N. (2008). The digital library as an enterprise: the Zachman approach. *The Electronic Library*, 26(4): 446-467.
- Abu Hassan, M. and Omar, Z. S. (2009). .MY Malaysia. In Shahid Akhtar and Patricia Arinto (Eds), *Digital Review of Asia Pacific 2009–2010*, Sage/IRDC/Orbicom. Available at http://www.idrc.ca/en/ev-140977-201-1-DO_TOPIC.html. Accessed October 3, 2010.
- Agosti, M. and Ferro, N. (2007). A formal model of annotations of digital content. *ACM Trans. Inform. Syst.* 26(1), Article 3 (November). Available at <http://delivery.acm.org/10.1145/1300000/1292594/a3-agosti.pdf>. Accessed May 3, 2010.
- Ahmed, A. M., Yousif, E. and Abdalla, M. E. (2008). Use of the Internet by Sudanese doctors and medical students. *Saudi e-Health Conference 2008*, March 17-19, Riyadh, Saudi Arabia.
- Akhigbe, B.I., Afolabi, B.S. and Adagunodo, E.R. (2011). Assessment of Measures for Information Retrieval System Evaluation: A User-centered Approach. *International Journal of Computer Applications* (0975 – 8887), 25(7), July.
- Al-adaileh, R. (2009). An Evaluation of Information Systems Success: A User Perspective - the Case of Jordan Telecom Group. *European Journal of Scientific Research*, 37(2): 226-239.
- Albers, S. (2010). PLS and success factor studies in marketing. In Vinzi, V. E., W. W. Chin, J. Henseler, and H. Wang (Eds.). *Handbook of Partial Least Squares: Concepts, Methods, and Applications*. Berlin: Springer. 1409-1425.
- Alberto, P. and Gianluca, Z. (2006). Web-Based Information Systems Success: A Measurement Model of Technology Acceptance and Fit. *International Association for Management of Technology (IAMOT) 2006*, May 22-26, Beijing, P.R. China. Available at <http://www.iamot.org/conference/index.php/ocs/9/schedConf/presentations>. Accessed May 25, 2008.
- Allison, P. D. (2002). *Missing data*. Thousand Oaks, CA: Sage.
- Ambrose, P. J., Rai, A. and Ramaprasad, A. (2006). Internet usage for information provisioning theoretical construct development and empirical validation in the clinical decision-making context. *IEEE Transactions on Engineering Management*, February, 53(1):112-129.
- Anakwe, P. U., Simmers, C. and Anandarajan, M. (2002). Internet Usage in an Emerging Economy: The Role of Skills, Support, and Attitudes. *Faculty Working Papers*, Paper 10. Available at http://digitalcommons.pace.edu/lubinfaculty_workingpapers/10. Accessed September 30, 2010.

- Anderson, J. and Gerbin, D. (1982). Some methods for respecifying measurement models to obtain unidimensional construct measurement. *Journal of Marketing Research*, 19(4): 453-60.
- Andreev, P., Heart, T., Maoz, H. and Pliskin, N. (2009). Validating Formative Partial Least Squares (PLS) Models: Methodological Review and Empirical Illustration. In *Proceedings ICIS 2009*. Paper 193. Available at <http://aisel.aisnet.org/icis2009/193>. Accessed November 13, 2010.
- Äozkaramanl, E. (2005). *Librarians' Perceptions Of Quality Digital Reference Services By Means Of Critical Incidents*. Unpublished PhD Dissertation. Virginia Polytechnic Institute and State University, USA.
- Arms, W. Y. (2001). *Digital libraries*. Cambridge: MIT Press.
- Asemi, A. and Riyahiniya, N. (2007). Awareness and use of digital resources in the libraries of Isfahan University of Medical Sciences, Iran. *The Electronic Library*, 25(3): 316-327.
- Atilgan, D. and Bayram, O. (2006). An Evaluation of Faculty Use of the Digital Library at Ankara University, Turkey. *The Journal of Academic Librarianship*, 32(1): 86-93.
- Backstorm, C. and Hursh-Cesar, G. (1986). *Survey research (2nd ed.)*. New York: John Wiley.
- Bagozzi, R. P. (1994). Structural equation models in marketing research: Basic principles. In Bagozzi R. P., (ed.). *Principles of marketing research*. Oxford: Blackwell: 317-385.
- Baker, T. L. (2003). *Doing social research*. 3rd ed. Boston: McGraw-Hill College.
- Ballantine, J., Bonner, M., Levy, M., Martin, A., Munro, I., and Powell, P. L. (1996). The 3-D Model of Information Systems Success: The Search of the Dependent Variable Continues. *Information Resources Management Journal*, 9(4): 5-14.
- Ballantine, J., McCourt, L. P. and Oyelere, P. (2007). Computer Usage and the Validity of Self assessed Computer Competence Among First Year Business Students. *Computers & Education*, 49: 976-990.
- Barber, W. and Badre, A. (1998). Culturability: The merging of culture and usability. *Proceedings of the 4th Conference on Human Factors*. Available at <http://www.research.att.com/conf/hfweb/proceedings/barber/index.html>. Accessed December 24, 2007.
- Barki, H. and Hartwick, J. (1989). Rethinking the Concept of User Involvement. *MIS Quarterly*, 13(1): 53-63.
- Barkin, S. R. and Dickson, G. W. (1977). An investigation of information system utilization. *Information Management*, 1: 35-45.

- Barton, J. (2004). Measurement, management and the digital library. *Library Review*, 53(3): 138-141. Available at <http://cdlr.strath.ac.uk/pubs/pubsbartonj.html>. Accessed November 4, 2008.
- Bawden, D. and Vilar, P. (2006). Digital libraries: to meet or manage user expectations. *Aslib Proceedings: New Information Perspectives*, 58(4): 346-354.
- Beall, J. (2005). Metadata and Data Quality Problems in the Digital Library. *Journal of Digital Information*, 6(2). Available at <http://journals.tdl.org/jodi/article/viewArticle/65>. Accessed December 24, 2007.
- Benbasat, I. and Zmud, R. W. (2003). The identity crisis within the IS discipline: Defining and communicating the discipline's core properties. *MIS Quarterly*, 27(2): 183-194.
- Bertini, E., Catarci, T., Di Bello, L., and Kimani, S. (2005). Visualization in Digital Libraries. In M. Hemmje, C. Niederee and T. Risse (Eds). *Integrated Publication and Information Systems to Virtual Information and Knowledge Environments*: 183-196. Berlin: Springer-Verlag.
- Bertot, J. C. (2002). *Project deliverable g: Assessment of ZLOT resource discovery service proof of concept prototypes*. Austin, TX: Texas Center for Digital Knowledge. Available at http://www.unt.edu/zlot/poc/poc_index.htm.
- Bertot, J. C., McClure, C. R., and William, E. M. (2004). Assessing Digital Libraries: Evaluation Strategies, Practices, and Issues. *Proceedings of the Annual Meeting- American Society for Information Science*, 4: 561. Available at <http://www.kc.tsukuba.ac.jp/dlkc/e-proceedings/papers/dlkc04pp72.pdf>. Accessed December 24, 2007.
- Bertot, J. C., Snead, J. T., Jaeger, P. T. and McClure, C. R. (2006) Functionality, usability, and Accessibility Iterative user-centered evaluation strategies for digital libraries. *Performance Measurement and Metrics*, 7(1): 17-28.
- Bevan, N. (1995). Measuring usability as quality of use. *Software Quality Journal*, 4: 115-150.
- Bhattacharya, P. (2004). Advances in digital library initiatives: a developing country perspective. *International Information & Library Review*, 36(3): 165-75.
- Bimber, B. (2000). Measuring the Gender Gap on the Internet. *Social Science Quarterly*, September, 81(3): 868-876.
- Bishop, A. P., Bruce, C. B., Lunsford, K. J., Jones, M. C., Nazarova, M., Linderman, D., Won, M., Heidorn, B., Ramprakash, R. and Brock, A. (2004). Supporting Community Inquiry with Digital Resources. *Journal of Digital Information*. 5(3). Available at <http://jodi.tamu.edu/Articles/>. Accessed September 8, 2007.
- Blandford, A. and Buchanan, G. (2003). Usability of digital libraries: A source of creative tensions with technical developments. Available at <http://www.cs.waikato.ac.nz/~grbuchan/Publications.html>. Accessed December 24, 2007.

- Blandford, A., Adams, A., Attfield, S., Buchanan, G., Gow, J., Makri, S., Rimmer, J. and Warwick, C. (2007). The PRET A Reporter framework: Evaluating digital libraries from the perspective of information work. *Information Processing and Management*, 44: 4-21.
- Blandford, A., Buchanan, G. and Jones, M. (2004). Usability of digital libraries. *International Journal on Digital Libraries*, 4(2): 69-70.
- Blandford, A., Stelmaszewska, H. and Bryan-Kinns, N. (2001) Use of multiple digital libraries: A case study. In *Proceedings of the ACM/IEEE-CS Joint Conference On Digital Libraries*, 179-188
- Bollen, J. and Luce, R. (2002). Evaluation of digital library impact and user communities by analysis of usage patterns. *D-Lib Magazine*, 8(6). Available at <http://www.dlib.org/dlib/june02/bollen/06bollen.html>. Accessed November 5, 2007.
- Bollen, J., Luce, R., Vemulapalli, S. S. and Xu, W. (2003). Usage analysis for the identification of research trends in digital libraries. *D-Lib Magazine*, 9(5). Available at <http://www.dlib.org/dlib/may03/bollen/05bollen.html>. Accessed November 5, 2007.
- Bollen, K. (1989). *Structural equations with latent variables*. New York: Wiley.
- Bollen, K. A. and Lennox, R. (1991). Conventional wisdom in measurement: A structural equation perspective. *Psychological Bulletin*, 110(2): 305-314.
- Bonner, M. (1995). DeLone and McLean's Model for Judging Information Systems Success: A Retrospective Application in Manufacturing. In A. Brown and D. Remenyi (Eds.). *Proceedings of the European Conference on it Investment Evaluation*, Henley Management College, Henley-on-Thames, UK, June 11-12: 218-227.
- Booth, P. (1989). *An Introduction to Human-Computer Interaction*. London: Lawrence Erlbaum Associates.
- Borgman, C. L. (1997). Multi-media, multi-cultural, and multi-lingual digital libraries. Or how do we exchange data in 400 languages?. *D-Lib Magazine* 3(6). Available at <http://www.dlib.org/dlib/june97/06borgman.html>. Accessed December 24, 2007.
- Borgman, C. L. (1999). What are digital libraries? Competing visions. *Information Processing & Management*, 35(3): 227-243.
- Borgman, C. L., Leazer, G. H., Gilliland-Swetland, A. J. and Gazan, R. (2000). Evaluating digital libraries for teaching and learning in undergraduate education: A case study of the Alexandria digital earth prototype (ADEPT). *Library Trends*, 49: 228-250.
- Borgman, C. L., Leazer, G. H., Gilliland-Swetland, A. J. and Gazan, R. (2001). Iterative design and evaluation of a geographic digital library for university students: A case study of the Alexandria Digital Earth Prototype (ADEPT). In

- Proceedings of the 5th European Conference on Research and Advanced Technology for Digital Libraries*: 390-401. London: Springer-Verlag.
- Brewer, P. (2007). Operationalizing psychic distance: a revised approach. *Journal of International Marketing*, 15(1): 44-66.
- Brinck, T., Gergle, D. and Wood, S. D. (2002). *Usability for the Web: Designing Web Sites that Work*, San Francisco, CA: Morgan Kaufmann.
- Brown, J. M. (1994). The global computer network: Indications of its use worldwide. *International Information & Library Review*, 26: 51-65.
- Bruhn, M., Georgi, D. and Hadwich, K. (2008). Customer equity management as formative second order constructs. *Journal of Business Research*, 61: 1292-1301.
- Bryman, A. and Bell, A. (2003). *Business Research Methods*. New York: Oxford University Press.
- Buchanan, G., Bainbridge, D., Don, K. and Witten, I. H. (2005). A new framework for building digital library collections. In *Proceedings of the Joint Conference on Digital Libraries*, Colorado, USA, June 2005: 23-31.
- Burton-Jones, A. and Straub, W. (2006). Reconceptualizing system usage. *Information Systems Research*, 8(4): 342-367.
- Butdisuwan, S. (2005). Digital Library: A Transition for Academic Libraries in Thailand. American Library Association Annual Conference, June 23-29, Chicago, IL, USA.
- Cabrerizo, F.J., López-Gijón, J., Ruíz, A.A. and Herrera-Viedma, E. (2010). A Model Based On Fuzzy Linguistic Information To Evaluate The Quality Of Digital Libraries. *International Journal of Information Technology & Decision Making*, 9(3): 455-472.
- Campbell, J.D. (2006). Changing a Cultural Icon: The academic library as a virtual destination. *EDUCAUSE Review*, Jan/Feb, 41(1): 16-31.
- Carter, D. S. and Janes, J. (2000). Unobtrusive data analysis of digital reference questions and service at the Internet Public Library: An exploratory study. *Library Trends*, 49: 251-265.
- Case, T., MacKinnon, R. and Dyer, J. (2004). Computer Literacy and the Introductory Student: An Analysis of Perceived and Actual Knowledge of Computers and Computer Applications. In *Proceedings of the Annual Conference of the Southern Association for Information Systems*: 278-284.
- Castellanos, N., and Sánchez, J. A. (2003) Pops: Mobile Access to Digital Library Resources. In *Proceedings of the 3rd ACM/IEEE-CS Joint Conference on Digital Libraries*: 184-185.
- Cenfetelli, R. T. and Bassellier, G. (2009). Interpretation of Formative Measurement in Informations Systems Research. *MIS Quarterly*, 33(4): 689-707.

- Chandler, B. (2002). Innovation in open and distance learning. Successful development of online and web-based learning. *Studies in Higher Education*, 27(1): 122–123.
- Chen, H. (2000). Digital Libraries: Special Issue on Digital Libraries. *Journal of the American Society for Information Science*, 51(3): 213-310.
- Chen, H. (2002). Introduction to the special topic issue: part 2. *Journal of the American Society for Information Science*, 51(4): 311-312.
- Chen, H. C. (2001). *Knowledge Management System*. Tucson: The University of Arizona.
- Cherry, J. M., and Duff, W. M. (2002). Studying digital library users over time: A follow up survey of Early Canadiana Online. *Information Research*, 7(2). Available at <http://informationr.net/ir/7-2/paper123.html>. Accessed December 24, 2007.
- Chin, W. W. (1998a). Issues and opinion on structural equation modeling. *MIS Quarterly*, 22(1): vii-xvi.
- Chin, W. W. (1998b). The Partial Least Squares Approach to Structural Equation Modeling. In G. A. Marcoulides (Ed.), *Modern Methods for Business Research*: 295- 336, Mahwah, New Jersey: Lawrence Erlbaum Associates.
- Chin, W. W. (2000). Partial Least Squares For Researchers: An overview and presentation of recent advances using the PLS approach. Available at <http://disc-nt.cba.uh.edu/chin/indx.html>. Accessed September 7, 2010.
- Chin, W. W., Marcolin, B. L. and Newsted, P. R. (1996). A PLS Latent Variable modelling approach for measuring interaction effects: Results from a Monte-Carlo Simulation study and Voice mail emotion/adoption study. In *Proceedings of the 17th International Conference on Information Systems*, J. J. DeGross, S. Jarpenpaa and A. Srinivasan (Eds.), Dec. 16-18, Ohio.
- Chin, W. W., Marcolin, B. L., and Newsted, P. R. (2003). A partial least squares latent variable modeling approach for measuring interaction effects: Results from a Monte Carlo simulation study and an electronic mail adoption study. *Information Systems Research*, 14(2): 189-217.
- Choi, Y. and Rasmussen, E. (2009). What Qualifications and Skills are Important for Digital Librarian Positions in Academic Libraries? A Job Advertisement Analysis. *The Journal of Academic Librarianship*, 35(5): 457-467.
- Choi, Y. and Rasmussen, E. M. (2006). What Is Needed to Educate Future Digital Librarians: A Study of Current Practice and Staffing Patterns in Academic and Research Libraries. *D-Lib Magazine*, September, 12(9). Available at <http://www.dlib.org/dlib/september06/choi/09choi.html>. Accessed February 5, 2011.
- Chowdhury, G. (2010). From digital libraries to digital preservation research: the

- importance of users and context. *Journal of Documentation*, 66 (2): 207–223.
- Chowdhury, G. G. and Chowdhury, S. (2000). An Overview of the Information Retrieval Features of Twenty Digital Libraries. *Aslib*, 34(4): 342.
- Chowdhury, G. G. and Chowdhury, S. (2003). *Introduction to Digital libraries*. London: Facet Pub.
- Chowdhury, S., Landoni, M. and Gibb, F. (2006). Usability and impact of digital libraries: a review. Available at www.emeraldinsight.com/1468-4527.htm. Accessed November 24, 2008.
- Christophersen, T. and Konradt, U. (2008). The development of a formative and reflective scale for the assessment of online store usability. *Journal of Systematics, Cybernetics and Informatics*, 6(5): 36-41.
- Chu, H. and Krichel, T. (2003). Current awareness service of the RePEc digital library: Progress, performance and potentials. In *Proceedings of the CAS Symposium on the Sustainable Development & Innovation of Libraries*, December 20-23, Beijing, China: 221-233.
- Churchill, G. A. (1979). A paradigm for developing better measures of marketing constructs. *Journal of Marketing Research*, 16: 64–73.
- Cignoli, N., & Liu, Y. Q. (2011). Evaluation of Digital Libraries Systems' Usability and Performance through User Perception. Chinese Digital Librarianship – International Digital Libraries Perspectives. Available at <http://imap.cignolincapestone.com/>. Accessed July 20, 2012.
- Cohen, J. (1988). *Statistical Power Analysis for the Behavioral Sciences*. Hillsdale, New Jersey: Erlbaum.
- Cohen, J. A. (1960). A coefficient of agreement for nominal scales. *Educational and Psychological Measurement*, 20: 37-46.
- Coleman, A and Sumner, T. (2004). Digital Libraries and User Needs: Negotiating the Future. *Journal of Digital Information*, 5(3). Available at <http://jodi.tamu.edu/Articles/v05/i03/editorial/#Wattenberg98>. Accessed December 24, 2007.
- Colorado State University. (2009). Writing Guides: Reliability and Validity. Available at <http://writing.colostate.edu/guides/research/relval/pop2a.cfm>. Accessed May 24, 2009.
- Cooper, D. R. and Schindler, P. S. (1998). *Business Research Methods*. 6th ed. Singapore: Irwin McGraw-Hill.
- Covey, D. T. (2002) Usage and Usability Assessment: Library Practices and Concerns provide valuable information about designing surveys. Available at <http://www.clir.org/pubs/reports/pub105/contents.html>. Accessed December 24, 2007.

- Coyle, K. (2006). Mass Digitization of Books. *The Journal of Academic Librarianship*, 32(6), November 2006: 641–645.
- Curtis, R. F. and Jackson, E. F. (1962). Multiple indicators in survey research. *American Journal of Sociology*, 68: 195-204.
- DARPA (1999). D-Lib Working Group on Digital Library Metrics Charter. Available at <http://www.dlib.org/metrics/public/metrics-charter.html>. Accessed January 17, 2008.
- Davis, F. D. (1986). *A technology acceptance model for empirically testing new end user information systems: Theory and results*. Unpublished Ph.D Dissertation, Sloan School of Management, Massachusetts Institute of Technology.
- Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3): 319-340.
- Davis, G. B. and Olson, M. H. (1984). *Management information systems: conceptual foundations, structure, and development*. 2nd ed. New York: McGraw-Hill.
- De Toni, A. F. and Zanutto, G. (2006), Web-based Information Systems Success: a Measurement Model of Technology Acceptance and Fit. In *Proceedings of the 2nd European Conference on Management of Technology, International Association for Management of Technology (IAMOT)*, Birmingham (UK), September 10-12, 2006.
- DeLone, W. H. and McLean, E. R. (1992). Information Systems Success: The Quest For The Dependent Variable. *Information Systems Research*, 3(1): 60-95.
- DeLone, W. H. and McLean, E. R. (2002). Information Systems success revisited. In *Proceedings of the 35th Hawaii International Conference on System Sciences*, 7-10 January, Big Island, Hawaii, 9(4): 238-249.
- DeLone, W. H. and McLean, E. R. (2003). The DeLone and McLean model of information success: A ten year update. *The Journal of Management Information Systems*, 19(4): 9-30.
- DeLone, W. H. and McLean, E. R. (2004). Measuring e-commerce success: Applying the DeLone & McLean Information systems success model. *The Journal of Management Information Systems*, 9(1): 31-47.
- Diamantopoulos, A. and Siguaw, J. A. (2006). Formative Versus Reflective Indicators in Organizational Measure Development: A Comparison and Empirical Illustration. *British Journal of Management*, 17(4): 263-282.
- Diamantopoulos, A. and Winklhofer, H. M. (2001). Index Construction with Formative Indicators: An Alternative to Scale Development. *Journal of Marketing Research*, 38(2): 269-277.
- Diamantopoulos, A., Riefler, P. and Roth, K. P. (2008). Advancing formative measurement models. *Journal of Business Research*, 61(12): 1203-1218.

- Dickstein, R. and Mills, V. (2000). Usability testing at the University of Arizona library: How to let the users in on the design. *Information Technology and Libraries*, 19(3): 144–151.
- Digital Library Federation. (1998). A working definition of digital library. Available at <http://www.diglib.org/about/dldefinition.htm>. Accessed December 24, 2007.
- Digital Library Initiatives Phase 1. (1993). A joint initiative of the National Science Foundation, the Advanced Research Projects Agency, and the National Aeronautics and Space Administration. U. S. Government Document NSF: 93-141. Available at <http://www.dli2.nsf.gov/dlione/>. Accessed March 13, 2008.
- Digital Library Research Laboratory. (2002). 5S Model / Language. Available at <http://www.dlib.vt.edu>. Accessed December 24, 2007.
- Dillman, D. (1978). *Mail and Telephone Surveys*. New York: John Wiley.
- Dillon, A. (1999). TIME - A multi-level framework for the design and evaluation of digital libraries. *International Journal of Digital Libraries*, 2(2/3): 170-177.
- Dillon, A. (2007). Accelerating Learning & Discovery: Refining the role of academic librarians. *White Paper commissioned by Council on Library and Information Resources*. Available at <http://www.ischool.utexas.edu/~adillon/>. Accessed December 24, 2008.
- DiMaggio, P., Hargittai, E., Celeste, C. and Shafer, S. (2004). Digital Inequality: From Unequal Access to Differentiated Use. In K. Neckerman (Ed), *Social Inequality*: 55–400 New York: Russell Sage Foundation.
- Dong, A. and Agogino, A. (2003). Designing an Untethered Educational Digital Library. In *Proceedings of the IEEE International Workshop on Wireless and Mobile Technologies in Education*: 144.
- Dourish, P. and Bellotti, V. (1992). Awareness and coordination in shared workspaces. In *Proceedings of the conference on computer supported cooperative work Toronto, Canada, New York, Oct. 31-Nov. 4*, NY: ACM Press: 107-113.
- Duncker, E., Theng, Y. L. and Mohd-Nasir, N. (2000). Cultural usability in digital libraries. *Bulletin of the American Society for Information Science*, 26(4): 21-2. Available at [www.asis.org/Bulletin/May-00/duncker et al.html](http://www.asis.org/Bulletin/May-00/duncker_et_al.html). Accessed May 11, 2009.
- Edwards, J. R. and Bagozzi, R. P. (2000). On the nature and direction of relationships between constructs and measures. *Psychological Methods*, 5(2): 155-174.
- Edzan, N. N. and Abrizah, A. (2004). Modelling a National Collaborative Digital Library for Malaysian Secondary Schools. *Journal of Educational Media & Library Sciences*, 42(1): 13-20.
- Efron, B. (1979). Bootstrap methods: Another look at the jackknife. *Annals of Statistics*, 7(1): 1-26.

- Efron, B. and Tibshirani, R. (1993). *An Introduction to the Bootstrap*. New York: Chapman Hall.
- Elias, N. F. and Cao, L. (2009). Validating The Is-Impact Model: Two Exploratory Case Studies In China And Malaysia. In *Proceedings of Pacific Asia Conference on Information Systems (PACIS 2009)*. Available at <http://aisel.aisnet.org/pacis2009/67>. Accessed October 12, 2010.
- Farooq, U., Ganoë, C. H., Carroll, J. M, Councill, I. G and Giles, C. L. (2008). Design and evaluation of awareness mechanisms in CiteSeer. *Information Processing and Management*, 44: 596-612.
- Fazil, Q.-A.A.A., Abdullah, Z. and Noah, S.A.M. (2010). Applying Zachman Framework to Determine The Content of Semantic Theses Digital Library. International Symposium in Information Technology (2010 ITSIm), 15-17 June, Kuala Lumpur, Malaysia.
- Ferreira, S. M. and Pithan, D. N. (2005). Usability of digital libraries: A study based on the areas of information science and human-computer-interaction. Available at www.emeraldinsight.com/1065-075X.htm. Accessed July 2, 2008.
- Fishbein, M. and Azjen, I. (1975). *Belief, attitude, intentions and behavior: An introduction to theory and research*. Boston: Addison-Wesley.
- Fornell C. (1982). *A Second Generation of Multivariate Analysis. A Second Generation of Multivariate Analysis in Marketing, Vol. 1 & 11: Methods*. New York: Praeger.
- Fox, E. A., Akscyn, R. M., Furuta, R. K., and Leggett, J. J. (1995). Digital libraries. *Communications of ACM*, 38(4): 22-28.
- Fox, E. A., Kipp, N. and Mather, P. (1998). How Digital Libraries Will Save Civilization. *Database Programming & Design*, 11: 60-65. Available at <http://www.dbpd.com/foxweb.html>. Accessed December 24, 2007.
- Fox, E.A, Goncalves, M.A. and Shen, R. (2005). The Role of Digital Libraries in Moving Toward Knowledge Environments. In Matthias H., Claudia N. and Thomas R. (Eds). *Integrated Publication and Information Systems to Information and Knowledge Environments: Essays Dedicated to Erich J. Neuhold on the Occasion of His 65th Birthday*: 96-106, Heidelberg: Springer.
- Franklin, B., Kyrillidou, M. and Plum, T. (2009). *From usage to user: Library metrics and expectations for the evaluation of digital libraries*. Oxford: Chandos Publishing: 17-39. Available at <http://www.libqual.org/documents/admin/UsageMetrics.doc>. Accessed September 27, 2010.
- Frias-Martinez, E., Chen, S. Y. and Liu, X. (2008). Investigation of behavior and perception of digital library users: A cognitive style perspective. *International Journal of Information Management*, 28: 355-365.

- Fuhr, N., Hansen, P., Mabe, M., Micsik, A., and Sölvberg, I. (2001). Digital libraries: a generic classification and evaluation scheme. In P. Constantopoulos and I. Sölvberg (eds.). *Proceedings of the ECDL'01*, Darmstadt, Germany: 187-199.
- Fuhr, N., Tsakonas, G., Aalberg, T., Agosti, M., Hansen, P. and Kapidakis, S. (2007). Evaluation of digital libraries. *International Journal on Digital Libraries*, 8(1): 21-38.
- Fullerton, K., Greenberg, J., McClure, M., Rasmussen, E. M. and Stewart, D. (1999). A digital library for education: the PEN-DOR project. *The Electronic Library*, April, 17(2): 75-82.
- Gable, G. G. and Sedera, D. (2009) Formative and reflective measurement and validation mismatch in survey research: an archival analysis of information systems success constructs 1985-2007. In *Proceedings of International Conference on Information Systems*, 15-18 December 2009, Phoenix, Arizona.
- Gable, G. G., Sedera, D. and Chan, T. (2008). Re-conceptualizing information system success: the IS-Impact Measurement Model. *Journal of the Association for Information Systems*, 9(7): 377-408.
- García-Crespo, A., Gómez-Berbís, J.M., Colomo-Palacios, R. and García-Sánchez, F. (2011). Digital libraries and Web 3.0.: The CallimachusDL approach. *Computers in Human Behavior*, 27:1424–1430.
- Gard, D. L. (2001). *Digital Libraries and the Environment: A Comparative Life Cycle Energy Analysis*. Unpublished Master thesis, University of Michigan, MI.
- Gazan, R. (2005). Imposing Structures: Narrative Analysis and the Design of Information Systems. *Library & Information Science Research*, 27(3): 346-362.
- Gefen, D., Straub, D. W. and Boudreau, M. C. (2000). Structural Equation Modeling and Regression: Guidelines for Research and Practice. *Communications of the Association for Information Systems*, 4(7): 1-77.
- Geisser, S. (1975). The predictive sample reuses method with applications. *Journal of the American Statistical Association*, June, 70(350): 320-328.
- George, D. and Mallery, P. (2003). *SPSS for Windows step by step: A simple guide and reference*. 11.0 update (4th ed.). Boston: Allyn & Bacon.
- Gibbs, S. (2008). Internet use equals computer literacy? In Hello! Where are you in the landscape of educational technology?. In *Proceedings of the Ascilite Melbourne*. Available at <http://www.ascilite.org.au/conferences/melbourne08/procs/gibbs.pdf>. Accessed October 7, 2010.
- Goh, D. H-L., Chua, A., Khoo, D. A., Khoo, E. B-H., Mak, E. B-T., Ng, M. W-N. (2006). A checklist for evaluating open source digital library software. *Online Information Review*, 30(4): 360-379.

- Goldkuhl, G. and Lyytinen, K. (1982). A language action view of information systems. In *Proceedings of the 3rd International Conference on Information Systems*, December 13-15, Ann Arbor, Michigan.
- Gonçalves, M. A. (2004). *Streams, Structures, Spaces, Scenarios, and Societies (5S): A Formal Digital Library Framework and Its Applications*. Unpublished Ph.D Dissertation, Virginia Polytechnic Institute and State University, USA.
- Gonçalves, M. A., Fox, E. A., Watson, L., and Kipp, N. (2004). Streams, Structures, Spaces, Scenarios, Societies (5S): A Formal Model for Digital Libraries. *ACM Transactions on Information Systems*, 22(2): 270-312.
- Gonçalves, M. A., Moreira, B. L, Fox, E. A. and Watson, L. T. (2007). What is a good digital library? – A quality model for digital libraries. *Information Processing and Management*, 43: 1416-1437.
- Goodhue, D. L. and Thompson, R. L. (1995). Task-Technology Fit and Individual Performance. *MIS Quarterly*, 19(2): 213-236.
- Goon, T. L., Noornina, D., Ramayah, T., Noorliza, K. and Muhammad Hasmi, A. H. A. (2005). Impact of Interface Characteristics on Digital Libraries Usage. *Malaysian Online Journal of Instructional Technology*, 2(1). Available at <http://pppij.usm.my/mojit/articles/pdf/April05/09-Hasmi.pdf>. Accessed May 31, 2009.
- Grabe, L. and Sturges, D. (2005). Positioning for digitization projects in a medium-sized academic library - a Creighton University perspective. *Nebraska Library Association Quarterly*. 36: 21-22. Available at <http://www.nebraskalibraries.org/nlaquarterly/2005/4/2005-4-GrabeSturges.htm>. Accessed September 25, 2009.
- Graham, P. S. (1995). Requirements for the digital research library. Available at <http://aultnis.rutgers.edu/texts/DRC.html>. Accessed December 19, 2007.
- Greenstein, D. and Thorin S. E. (2002). The Digital Library: A Biography. *Digital Library Federation, Council on Library and Information Resources*. Washington D.C. Available at <http://www.clir.org/pubs/reports/pub109/pub109.pdf>. Accessed January 1, 2009.
- Gunter, S. and Andrea, B. (2009). Success factor validation for global ERP programmes. In *Proceedings of The 17th European Conference on Information Systems (ECIS2009)*, June 11-12, Stockholm, Sweden.
- Haitovsky, Y. (1968). Missing data in regression analysis. *Journal of the Royal Statistical Society*, 30: 67-82.
- Hallonen, R., Acton, T., Golden, W. and Conboy, K. (2009). DeLone&McLean Success Model as a Descriptive Tool in Evaluating a Virtual Learning Environment. *International Conference on Organizational Learning, Knowledge and Capabilities (OLKC)*, 26-28 April, Amsterdam, Netherlands. Available at <http://www.feweb.vu.nl/olkc2009/papers.html>. Accessed September 27, 2009.

- Hansen, P. and Järvelin, K. (2005). Collaborative information retrieval in an information-sensitive domain. *Information Processing and Management*, 41: 1101-1119.
- Hargittai, E. (2010). Digital Na(t)ives Variation in Internet Skills and Uses among Members of the “Net Generation”. *Sociological Inquiry*, 80(1): 92-113.
- Hargittai, E. and Hinnant, A. (2008). Digital Inequality: Differences in Young Adults' Use of the Internet. *Communication Research*, 35(5): 602-621.
- Hariri, N. and Norouzi, Y. (2011). Determining evaluation criteria for digital libraries' user interface: a review. *The Electronic Library*, 29(5): 698-722.
- Harrison, D. A. (1986). Robustness of IRT parameter estimation to violations of the unidimensionality assumption. *Journal of Educational Statistics*, 11: 91-115.
- Hartwick J. and Barki, H. (1994). Explaining the role of user participation in information system use. *Management Science*, 40(4): 440-465.
- Hastings, K. and Tennant, R. (1996). How to build a digital librarian. *D-Lib Magazine*, 2, November. Available at <http://www.dlib.org/dlib/november96/ucb/11hastings.html>. Accessed May 25, 2008.
- Helm, S. (2005). Designing a formative measure for corporate reputation. *Corporation Reputation Review*, 8(2): 95-109.
- Helm, S., Eggert, A. and Garnefeld, I. (2009). Modelling the impact of corporate reputation on customer satisfaction and loyalty using PLS. In V. Esposito Vinzi, W.W.Chin, J. Henseler and H. Wang (Eds), *Handbook of partial least squares: Concepts, methods, and applications*, Berlin:Springer.
- Henseler, J. and Fassott, G. (2009). Testing moderating effects in PLS path models: An illustration of available procedures. In: V. Esposito Vinzi, W. W. Chin, J. Henseler and H. Wang (Eds), *Handbook of partial least squares: Concepts, methods, and applications*, Berlin: Springer, pp. 713-735.
- Henseler, J., Ringle, C. M. and Sinkovics, R. R. (2009). The use of Partial Least Squares Path modeling in international marketing. *Advances in International Marketing*, 20: 277-319.
- Heo, J. and Han, I. (2003). Performance measure of information systems (IS) in evolving computing environments: An empirical investigation. *Information & Management*, 40(4): 243-256.
- Hill, L. L., Dolin, R., Frew, J., Kemo, R. B., Larsgaard, M., Montello, D. R., Rae, M. and Simpson, J. (1997). User evaluation: summary of the methodology and results for the Alexandria Digital Library: University of California at Santa Barbara. Paper presented to the *1997 Annual Meeting of the American Society for Information Science and Technology*. Available at www.asis.org/annual-97.alexia.htm. Accessed December 19, 2007.

- Hiller, S. and Self, J. (2001). A Decade of User Surveys: Utilizing and assessing a standard assessment tool to measure library performance at the University of Virginia and University of Washington. *Fourth Northumbria International Conference*, August 12-16, Pittsburg, Pennsylvania: 253- 261.
- Hong, W., Thong, J. Y. L. and Tam, K. Y. (2002). Understanding user acceptance of digital libraries: What are the roles of interface characteristics, organizational context, and individual differences?. *International Journal of Human-Computer Studies*, 57: 215-242.
- Huang, W., Yen, D., Lin, Z. X. and Huang, J. H. (2004). How to Compete in Global Education Market Effective Conceptual Framework for Designing a Next Generation Education System. *International Journal of Information Management*, April–June, USA, 12(2): 84-107.
- Huggett, M. and Rasmussen, E. (2011). Creating meta-indexes for digital domains. Joint Conference on Digital Libraries (JCDL 2011), June 13-17, Ottawa, Canada: 423-424.
- Huling, N. (2002). References services and information access. In Schement, J. R. (ed.). *Encyclopedia of communication and information*. New York: Gale Group, 2002: 867-874.
- Hulland, J. (1999). Use of partial least squares (PLS) in strategic management research: A review of four recent studies. *Strategic Management Journal*, 2(20): 195-204.
- Hung, D. (2001). Design principles for web-based learning: Implications from Vygotskian thought. *Educational Technology*, 41: 33-41.
- Hung, D. and Nichani, M. (2001). Constructivism and e-learning: balancing between the individual and social levels of cognition. *Educational Technology*, 41: 40-44.
- Hunter, J. E. (1982). What is the validity content of a content valid test?. *International Personnel Management Association*, Minneapolis, June 7.
- Hunton, J. E., and Flower, L. (1997). Information Technology in Accounting: Assessing the Impact on Accountants and Organizations. In S. C. Sutton (eds.). *Advances in Accounting Information Systems*, Greenwich, CT: JAI Press: 3-34.
- Ifinedo, P. (2006). Extending the Gable et al. Enterprise Systems Success measurement model: A preliminary study. *Journal of Information Technology Management*, XVII (1): 14-33.
- Ifinedo, P. (2006). Extending The Gable Et Al. Enterprise Systems Success Measurement Model: A Preliminary Study. *Journal of Information Technology Management (JITM)*, 17(1): 14-33.
- Ifinedo, P. (2007). Investigating the relationships among ERP system success dimensions: A structural equation model. *Issues in Information Systems*, 8(2): 399-405.

- Ifinedo, P. (2008). Impacts of Business Vision, Top Management Support, and External Expertise on ERP Success. *Business Process Management Journal (BPMJ)*, 14(4): 551-568.
- International Standards Organization (ISO) (1994). *Ergonomic requirements for office work with visual display terminals. Part 11: Guidance on usability (ISO DIS 9241-11)*. London: International Standards Organization.
- International Standards Organization (ISO) (1998). *Information and Documentation - Library Performance Indicators*. 11620. Available at http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=37853.
- International Standards Organization (ISO) (2006). *Information and Documentation - Library performance Indicators*. 11620. Available at http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=37853.
- International Telecommunications Union. (2010). Information and Communication Technology (ICT) Statistics. Available at <http://www.itu.int/>. Accessed October 13, 2010.
- Ionnaidis, Y. and Thanos, C. (2005). Digital Library Evolution (Panel Organization). *IEEE-CS International Symposium Global Data Interoperability – Challenges and Technologies*, Sardinia, Italy, June 20-24.
- Jaana, K. and Kalervo, J. (2005). Evaluating Information Retrieval Systems under the challenges of interaction and multidimensional dynamic relevance. Proceedings of the 4th COLIS Conference, Greenwood Village, CO: Libraries Unlimited: 253-270.
- Jahner, S., Leimeister, J. M., Knebel, U., and Krcmar, H. (2008). A Cross-Cultural Comparison of Perceived Strategic Importance of RFID for CIOs in Germany and Italy. In *Proceedings of the Proceedings of the 41st Annual Hawaii International Conference on System Sciences, IEEE Computer Society*, January 7-10, Waikoloa, Big Island, Hawaii.
- Jankowicz, A. D. (2000). *Business Research Projects*. 3rd ed. London: Thomson Learning.
- Jarvis, C. B., MacKenzie, S. B. and Podsakoff, P. M. (2003). A critical review of construct indicators and measurement model misspecification in marketing and consumer research. *Journal of Consumer Research*, 30(2): 199-218.
- Jeng, J. (2005). Usability Assessment of Academic Digital Libraries: Effectiveness, Efficiency, Satisfaction, and Learnability. *Libri*, June-September, 55(2-3): 96-121.
- Joo, S. and Lee, J.Y. (2011). Measuring the usability of academic digital libraries: Instrument development and validation. *The Electronic Library*, 29(4): 523 – 537.

- Joppe, M. (2000). The Research Process. Available at <http://www.ryerson.ca/~mjoppe/rp.htm>. Accessed February 25, 2008.
- Kalinichenko, L. (2003). *Digital Libraries in Education: Analytical Survey*. Moscow: UNESCO Institute for Information Technologies in Education.
- Kassim, A. R. C. and Kochtanek, T. R. (2003). Designing, implementing, and evaluating an educational digital library resource. *Online Information Review*, 27(3): 160-168.
- Kelapure, R., Gonçalves, M. A. and Fox, E. A. (2003). Scenario-based Generation of Digital Library Services. In Proceedings 7th European Conference Research and Advanced Technology for Digital Libraries (ECDL), August 17-22, Trondheim, Norway. Lecture Notes in Computer Science, 2760. New York: Springer-Verlag.
- Kelly, K. (1999). Electronic resources: use and user behaviour. *Bulletin of the Medical Library Association*, 87: 228-230.
- Kerlinger, F.N. (1986). *Foundations of behavioral research*. 3rd ed. New York: Holt, Rinehart, Winston.
- Kibirige, H.M. and DePalo, L. (2001). The education function in a Digital Library environment: A challenge for college and research libraries. *The Electronic Library*, 19(5): 283-295.
- Kilker, J. and Gay, G. (1998). The Social Construction of a Digital Library: A Case Study Examining Implications for Evaluation. *Information Technology and Libraries*, 17(2): 60-70.
- Kirk, J. and Miller, M. L. (1986). *Reliability and validity in qualitative research*. Beverly Hills: Sage Publications.
- Kling, R. and Elliott, M. (1994). Digital Library Design for Usability. *Proceedings of the First Annual Conference on the Theory and Practice of Digital Libraries*, June 19-21, College Station, Texas, USA. Available at <http://www.csdl.tamu.edu/old/DL94/>. Accessed July 14, 2009.
- Koltay, T. and Boda, I. (2008). Digital library issues in Hungarian LIS curricula: Examples from three library schools. *Library Review*, 57 (6): 430-441.
- Koohang, A. (2004). Development and Validation of an Instrument for Assessing Users' Views about the Usability of Digital Libraries. *Issues in Informing Science and Information Technology Education*, 1: 55-63.
- Kumar, R. (1996). *Research Methodology: A step-by-step for beginners*. Melbourne: Addison-Wesley Longman.
- Kusunoki, D.S. and Khoo, M.J. (2012) Designing Digital Library Evaluation Instruments: Conceptualizing a Participatory Methodology. Proceedings of iConference 2012, February 7-10 2012, Toronto, Ontario, Canada.
- Landauer, T. K. (1995). *The trouble with computers: Usefulness, usability and productivity*. Cambridge, Mass: MIT Press.

- Larsen, R. L. (2002). The Dlib Test Suite and Metrics Working Group: Harvesting the Experience from the Digital Library Initiative. Available at <http://www.dlib.org/metrics/public/metrics-documents.html>. Accessed March 17, 2008.
- Law, K.S., Wong, C.S. and Mobley, W.H. (1998). Toward taxonomy of multidimensional constructs. *Academy of Management Review*, 23(4):741–55.
- Lazinger, S. S., Bar-Ilan, J. and Peritz, B. C. (1997). Internet Use by Faculty Members in Various Disciplines: A Comparative Case Study. *Journal Of The American Society For Information Science*, 48(6): 508-518.
- Lee, D., Kang, J., Mitra, P., Giles, C. L. and On, B. W. (2007). Are your citations clean? New scenarios and challenges in maintaining digital libraries. *Communications of the ACM*, 50(12): 33-38 Available at <http://pike.psu.edu/publications/cacm07dl.pdf>. Accessed December 13, 2008.
- Legris, P., Ingham, J. and Collerette, P. (2003). Why do people use information technology? A critical review of the technology acceptance model. *Information & Management*, 40(3): 191-204.
- Levine-Clark, M. (2006). Electronic book usage: A survey at the University of Denver Portal. *Libraries and the Academy*, 6 (3): 85-299.
- Li, B. (2005). The History of Digital Libraries. Available at <http://www.ils.unc.edu/~lib/digital-library.html>. Accessed May 20, 2009.
- Li, N. and Kirkup, G. (2007). Gender and cultural differences in Internet use: A study of China and the UK. *Computers & Education*, 48: 301-317
- Lim, R. (2011, July 24). When grants bring success. *The Star Online*. Available at <http://thestar.com.my/education/story.asp?file=/2011/7/24/education/9147547&sec=education>.
- Liu, Z. and Luo, L. (2011). A Comparative Study of Digital Library Use: Factors, Perceived Influences, and Satisfaction. *The Journal of Academic Librarianship*, 37(3): 230–236.
- Lohmöeller, J. -B. (1989). *Latent Variable Path Modeling with Partial Least Squares*. Heidelberg: Physica-Verlag.
- Long, H. (2002). *An Assessment of the Current State of Digital Library Evaluation*. Master's Paper, University of North Carolina, Chapel Hill. Available at <http://www.uni.edu/neuhaus/digitalbibeval.html>. Accessed February 20, 2008.
- Lord, F. and Novick, M. (1968). *Statistical theories of mental test scores*. Reading, Mass: Addison-Wesley.
- Luan, W. S., Fung, N. S. and Atan, H. (2008). Gender Differences in the Usage and Attitudes toward the Internet among Student Teachers in a Public Malaysian University. *American Journal of Applied Sciences*, 5(6): 689-697.

- Lukasiewicz, A. (2007). Exploring the role of digital academic libraries. *Library Review*, 56(9): 821-827.
- Lynch, C. (2003). *Colliding with the Real World: Heresies and Unexplored Questions about Audience, Economics, and Control of Digital Libraries*. Digital Library Use: Social Practice in Design and Evaluation, edited by A. P. Bishop, N. A. Van House and B. Buttenfield. Cambridge, MA: MIT Press: 191-216.
- Ma, Y., Fox, E. A. and Gonçcalves M. A. (2007). PIM through a 5S Perspective. *Joint Conference on Digital Libraries (JCDL 2007)*, June 18–23, Vancouver, British Columbia, Canada.
- MacKenzie, S. B., Podsakoff, P. M. and Jarvis, C. B. (2005). The problem of measurement model misspecification in behavioral and organizational research and some recommended solutions. *Journal of Applied Psychology*, 90(4): 710-730.
- Maizatul Akmar Ismail and Sameem Abdul Kareem. (2011). Identifying how novice researchers search, locate, choose and use web resources at the early stage of research. *Malaysian Journal of Library & Information Science*, 16(3): 67-85.
- Maly, K., Zubair, M., Shen, S. N. T. and Nelson, M. L. (1999). Generalizing an existing Digital library. Available at <http://citeseer.ist.psu.edu/maly1999generalizing.html>. Accessed September 19, 2008.
- Marchionini, G. (2000). Evaluating Digital Libraries: A Longitudinal and Multifaceted View. *Library Trends*, 49(2): 304-333.
- Marchionini, G., Plaisant, C. and Komlodi, A. (1998). Interfaces and tools for the Library of Congress National Digital Library Program. *Information Processing and Management*, 34(5): 535-555.
- Marchionini, G., Plaisant, C. and Komlodi, A. (2003). The People in Digital Libraries: Multifaceted Approaches to Assessing Needs and Impact. In Bishop, A., Van House, N., and Buttenfield, B. (Eds). *Digital Library Use: Social Practice in Design and Evaluation*: 119-160. Cambridge, MA: The MIT Press.
- Marcoulides, G. A., Chin, W. W. and Saunders, C. (2009). A Critical Look At Partial Least Squares Modeling. *MIS Quarterly*, March, 33(1): 171-175.
- Marshall, B. B., Chen, H., Shen, R. and Fox, E. A. (2006). Moving Digital Libraries into the Student Learning Space: The GetSmart Experience. *ACM Journal on Educational resources in Computing*, 6(1)2: 2-20.
- Masullo, M. J. and Mack, R. (1999). Roles for Digital libraries for K-12 education. *D-Lib Magazine*. Available at <http://www.dlib.org/dlib/september96/eduport/09masullo.html>. Accessed April 13, 2009.
- McKnight, C., Dillon, A. and Shackel, B. (1996) The electronic journal and its

- implications for the digital library. In T. Harrison and T. Stephens (Eds.) *Computer Networking and Scholarly Communication in the 21st Century*: 351-368, New York: Suny Press.
- Merriam, S. B. (1998). *Case study research in education*. San Francisco: Jossey-Bass.
- Mishra S. (2002). A design framework for online learning environments. *British Journal of Educational Technology*, 33: 493-496.
- Mittal, R. and Mahesh, G. (2008). Digital libraries and repositories in India: an evaluative study. *Electronic library and information systems*, 42(3): 286-302.
- Mohd Razilan, A. K., Fatimah, A. S. and Diljit, S. (2008). A Review on Digital Libraries Evolution: Information Systems and Information Retrieval Perspectives. *Proceedings of CAMP'08*, March 18, Kuala Lumpur: 204-209.
- Mohr, L. B. (1982). *Explaining organizational behavior*. San Francisco, CA: Jossey-Bass.
- Morris, M. and Dillon, A. (1996). The role of usability in the organizational standards setting process. *International Journal of Human-Computer Studies*, 45(2): 243-258.
- Mundt, S. (2004). Standardizing Statistics of the hybrid library: issues and perspectives. *VINE*, 34(3): 107-112.
- Myers, B. L., Kappelman, L. A. and Prybutok, V. R. (1998). A comprehensive model for assessing the quality and productivity of the information systems function: toward a theory for information systems assessment. In E. J. Garrity and G. L. Sanders (Eds.). *Information Systems Success Measurement*: 623-656, Hershey: Idea Group Publishing.
- Nicholson, S. (2003). The Bibliomining Process: Data Warehousing and Data Mining for Library Decision-Making. *Information Technology and Libraries*, 22(4): 146-51.
- Nicholson, S. (2004). A conceptual framework for the holistic measurement and cumulative evaluation of library services. *Journal of Documentation*, 60(2): 164 – 182.
- Nielsen, J. (1993). *Usability Engineering*. London: Academic Press Limited.
- Nielsen, J. (2003). Usability 101: Introduction to usability, Useit.com: Usable Information Technology. Available at www.useit.com/alertbox/20030825.html. Accessed December 5, 2007.
- Nuernberg, P., Furuta, R., Leggett, J., Marshall, C. C. and Shipman III, F. M. (1995). Digital Libraries: Issues and Architectures. *Digital Libraries '95: The Second Annual Conference on the Theory and Practice of Digital Libraries*, June 11-13, Austin, Texas, USA. Available at <http://csdl.tamu.edu/DL95/papers/nuernberg/nuernberg.html>. Accessed March

21, 2008.

Nunnally, J. C. (1978). *Psychometric theory*. 2nd ed. New York: McGraw-Hill.

Oard, D., Peters, C., Ruiz, J., Frederking, R., Klavans, J. and Sheridan, P. (1999). Multilingual information discovery and AccesS (MIDAS). *D-Lib Magazine*, 5(10). Available at <http://www.dlib.org/dlib/october99/10oard.html>. Accessed December 10, 2007.

Odell, P. M., Korgen, K. O., Schumacher, P. and Delucchi, M. (2000). Internet Use Among Female and Male College Students. *CyberPsychology & Behavior*, October, 3(5): 855-862.

OECD. (1996). *The Knowledge-based Economy*. Paris, France. Available at <http://www.oecd.org/dataoecd/51/8/1913021.pdf>. Accessed May 1, 2008.

Ono, H. and Madeline, Z. (2003). Gender and the Internet. *Social Science Quarterly*, 84: 111-121.

Oppenheim, A. N. (1966). *Questionnaire Design and Attitude Measurement*. New York: Basic Books.

Pahl, C. (2003). Managing evolution and change in web-based teaching and learning. *Computer and Education*, 40(2): 99-114.

Palmius, J. (2007). Criteria for measuring and comparing Information Systems. In *Proceedings of the 30th Information Systems Research Seminar in Scandinavia (IRIS)*, August 11-14, Murikka, Tampere, Finland.

Pan, B., Hembrooke, H., Gay, G. and Gonsalve, G. C. (2006). Bridging The Gap: A Conceptual Model of the Access of Digital Libraries. *Journal of Digital Information*, 7(2). Available at <http://journals.tdl.org/jodi/article/view/184/162>. Accessed May 20, 2009.

Parandjuk, J. C. (2010). Using Information Architecture to Evaluate Digital Libraries. *Reference Librarian*, 51(2): 124-134.

Pavlou, P. and Gefen, D. (2005). Psychological contract violation in online marketplaces: antecedents, consequences, and moderating role. *Information System Research*, 16(4): 372-99.

Pearrow, M. (2000). *Web Site Usability Handbook*. Rockland, MA: Charles River Media.

Pedhazur, E.J. (1997). *Multiple Regressions in Behavioral Research: Explanation and Prediction*. Fort Worth: Harcourt Brace College Publishers.

Peek, R. (1998). Miss Web Manners on digital libraries. *Information Today*, 15(7): 36.

Peter, J., Nürnberg, P. J., Furuta, F., Leggett, J. J., Marshall, C. C. and Shipman, F. M. (1995). *Digital Libraries: Issues and Architectures*. Available at

<http://www.csdl.tamu.edu/DL95/papers/nuernberg/nuernberg.html>. Accessed December 17, 2007.

- Petter, S., DeLone, W. and McLean, E. (2008). Measuring information systems success: models, dimensions, measures, and interrelationships. *European Journal of Information Systems*, 17: 236-263.
- Petter, S., Straub, D. and Rai, A. (2007). Specifying Formative Constructs in Information Systems Research. *MIS Quarterly*, December, 31(4): 623-656.
- Pinfield, S., Eaton, J., Edwards, C., Russell, R., Wissenburg, A. and Wynne, P. (1998). Realising the Hybrid Library. *New Review of Information Networking*, 4(1): 3-21.
- Poll, R. (2001). Performance Indicators for Digital Library. *LIBER Quarterly*. Available at <http://webdoc.gwdg.de/edoc/aw/liber/lq-3-01/08poll.pdf>. Accessed December 24, 2007.
- Pomerantz, J. and Marchionini, G. (2007). The Digital Library as Place. *Journal of Documentation*, 63(4): 505-533.
- Popham, W. J. (2000). *Modern educational measurement: Practical guidelines for the education leader*. Needham: Allyn & Bacon.
- Quesenbery, W. (2002). What Does Usability Mean: Dimensions of Usability. Available at <http://www.WQusability.com>. Accessed Jun 6, 2009.
- Rabaa'i, A. A. (2009). Validating The IS-Impact Model At Queensland University Of Technology (QUT): Part A. In *Proceedings of The Third International Symposium on Innovation in Information & Communication Technology (ISIICT 2009)*, 15-17 December, Philadelphia University, Amman, Jordan.
- Rabaa'i, A. A. (2010). Validating the IS-Impact model in Australasian universities. *PACIS 2010 14th Pacific Asia Conference on Information Systems - Doctoral Consortium*, July 8-9, National Taiwan University, Taipei, Taiwan.
- Radford, G. P. and Goldstein, S. Z. (2002). The role of research methods in corporate communication. *Corporate Communications*, 7(4): 252-256.
- Rai, A., Lang, S. S. and Welker, R. B. (2002). Assessing the validity of IS Success models: An empirical test and theoretical analysis. *Information Systems Research*, 13(1): 50-69.
- Rao, S. (2006). *Applying the 5S Framework To Integrating Digital Libraries*. Unpublished Ph.D Dissertation, Virginia Polytechnic Institute and State University, USA.
- Razilan, A. K., Wan Ab. Kadir, W. D., Fatimah, A. S. and Diljit, S. (2009a). Academic Digital Library's Evaluation Criteria: User-Centered Approach. In *Proceeding of the World Academy of Science, Engineering and Technology (WASET)*, June 24-26, Paris: 172-177.

- Razilan, A. K., Wan Ab. Kadir, W. D., Fatimah, A. S. and Diljit, S. (2009b). A user-based measure in evaluating academic digital library. *International Conference on Academic Libraries (ICAL-2009)*, 5-8 October, University of Delhi (North Campus), Delhi.
- Razilan, A. K., Wan Ab. Kadir, W. D., Mohd Sazili, S. and Diljit, S. (2011). Faktor-faktor Kesedaran Terhadap Perpustakaan Digital di Institusi-institusi Pengajian Tinggi di Malaysia. *Informika: Jurnal Peradaban Informasi dan Ilmu*, 1(1): 103-120.
- Razilan, A.K. and Diljit, S. (2012a). Examining the relationships of electronic library individual usage and impact using partial least squares: a formative measurement model. *Malaysian Journal of Library & Information Science*, 17(2), August: 1-15.
- Razilan, A.K., Fatimah A. S. and Diljit, S. (2012b). PLS Path Model for Testing the Moderating Effects in the Relationships among Formative IS Usage Variables of Academic Digital Libraries. *Australian Journal of Basic and Applied Sciences*, 6(7): 365-374.
- Reckase, M. R. (1979). Unifactor latent trait models applied to multifactor tests: Results and implications. *Journal of Educational Statistics*, 4: 207-230.
- Reeves, T. C., Apedoe, X. and Woo, Y. H. (2005). Evaluating Digital Libraries: A User-Friendly Guide. The University of Georgia, National Science Digital Library (NSDL.ORG). Available at <http://www.dpc.ucar.edu/projects/evalbook/EvaluatingDigitalLibraries.pdf>. Accessed September 30, 2008.
- Reich, V. and Winograd, T. (1995). Working assumptions about the digital library. Available at <http://dbpubs.stanford.edu:8090/pub/1995-52>. Accessed March 30, 2008.
- Rigby, A. and Smithers, A. (2007). From Service To Survey: The Unison Digital Reference Key Performance Indicators Project. *Information Online 2007: 13th Exhibition & Conference*, Sydney.
- Ringle, C. M. (2006). Segmentation for Path Models and Unobserved Heterogeneity: The Finite Mixture Partial Least Squares Approach, University of Hamburg Research Paper on Marketing and Retailing No. 35, Social Science Research Network (SSRN). Available at <http://ssrn.com/abstract=1586309>. Accessed February 11, 2010.
- Ringle, C. M., Götz, O., Wetzels, M. and Wilson, B. (2009). On the Use of Formative Measurement Specifications in Structural Equation Modeling: A Monte Carlo Simulation Study to Compare Covariance-Based and Partial Least Squares Model Estimation Methodologies. Published in: *Research Memoranda from Maastricht (METEOR)*, Munich University Library. Available at <http://mpra.ub.uni-muenchen.de/15390/>. Accessed February 5, 2010.
- Ringle, C. M., Wende, S. and Will, A. (2005). *SmartPLS 2.0 (M3) beta*. Hamburg, Germany. Available at <http://www.smartpls.de>. Accessed November 10, 2010.

- Rosa, I. B. and Lamas, D. R. (2007). Digital Library for Digital Divide and Environment of Scarce Access to Printed Materials: The Case of University Jean Piaget of Cape Verde. In *Proceedings of the IADIS International Conference on e-Society*, July 3-6, Lisbon, Portugal: 411-414.
- Rosna, T. (2002). Performance indicators for academic libraries in Malaysia. *Sekitar Perpustakaan*, 34: 1-8.
- Rusbridge, C. (1998). Towards the hybrid library. *D-Lib Magazine (July/August)*. Available at <http://www.dlib.org/dlib/july98/rusbridge/07rusbridge.html>. Accessed September 13, 2007.
- Ryan, J., McClure, C. R. and Bertot, J. C. (2001). Choosing measures to evaluate networked information resources and services: selected issues. In McClure, C. R. and Bertot, J. C. (Eds), *Evaluating Networked Information Services: Techniques, Policy, and Issues*. *Information Today*: 111-36, Medford, N.J.
- Salkind, N.J. (2000). *Exploring Research*. 4th ed. Upper Saddle River, New Jersey: Prentice Hall.
- Saracevic, T. (1995). Evaluation of evaluation in information retrieval. *Proceedings of SIGIR 95*: 138-46.
- Saracevic, T. (2000). Digital Library Evaluation: Toward an Evolution of Concepts. *Library Trends*, 49(3): 350-369.
- Saracevic, T. (2004). Evaluation of digital libraries: An overview. Available at http://www.scils.rutgers.edu/~miceval/research/DL_eval.html. Accessed December 24, 2007.
- Saracevic, T. (2005). How were digital libraries evaluated?. Presentation at the *Course and Conference Libraries in the Digital Age (LIDA 2005)*, 30 May - 3 June, Dubrovnik, Croatia. Available at <http://www.scils.rutgers.edu/~tefko/articles.htm>. Accessed November 11, 2007.
- Saracevic, T. and Covi, L. (2000). Challenges for digital library evaluation. *Proceedings of the American Society for Information Science*, 37: 341-350.
- Schatz, B. R. (1997). Information Retrieval in Digital Libraries: Bringing Search to the Net. *Science*, 275: 327-334.
- Schmidt, K. (2002). The problem with 'awareness': Introductory remarks on 'awareness in CSCW'. *Computer Supported Cooperative Work*, 11: 285-298.
- Schwartz, C. (2007). LIS 462 – Definitions. Available at <http://web.simmons.edu/~schwartz/462-defs.html>. Accessed December 12, 2008.
- Seddon, P. B. (1997). A respecification and extension of the DeLone and McLean model of IS Success. *Information Systems Research*, 8(3): 240-253.
- Seddon, P. B., Staples, S., Patnayakuni, R. and Bowtell, M. J. (1999). Dimensions of

Information Systems Success. *Communications of the AIS*, 2(20).

- Seddon, P. B., Staples, S., Sandy, D., Patnayakuni, R. and Bowtell, M. J. (1998). The IS effectiveness matrix: the importance of stakeholder and system in measuring IS success. In *Proceedings of the International Conference on Information Systems*, Helsinki, Finland: 165-176.
- Sedera, D. and Tan, F. (2005). User satisfaction: a dimension of Enterprise System Success. *Ninth Pacific Asia Conference on Information Systems (PACIS 2005)*, July 7-10, Bangkok, Thailand.
- Sedera, D. and Tan, F. (2007). Reconceptualizing usage for contemporary Information Systems (ERP) success. In *Proceedings of the ECIS 2007-The 15th European Conference of Information Systems*, July 4-6, Auckland, New Zealand: 1344-1355.
- Sedera, D., Tan, F. and Dey, S. (2007). Identifying and Evaluating the Importance of Multiple Stakeholders Perspective in Measuring ES-Success. In *Proceedings European Conference on Information Systems*, June 12-14, Gothenburg, Sweden.
- Segars, A. H. (1997). Assessing the unidimensionality of measurement: A paradigm and illustration within the context of information systems research. *Omega*, 25(1): 107-121.
- Sekaran, U. (2000). *Research methods for business. A skill building approach*. 4th ed. New York: John Wiley & Sons.
- Selltiz, C. S., Wrightsman, L. S. & Cook, S. W. (1981). *Research Methods in Social Relations*. London: Holt, Rinehart & Winston.
- Sethi, V. and King, W. R. (1991). Construct measurement in information systems research: An illustration in strategic systems. *Decision Science*, 22(3): 455-472.
- Shaw, E. (1996). Real-time reference in a MOO: Promise and Problems. Available at <http://www.ipl.org/div/iplhist/moo.html>. Accessed October 12, 2008.
- Shelburne, W. A. (2009). E-book usage in an academic library: User attitudes and behaviors. *Library Collections, Acquisitions, & Technical Services*, 33: 59-72.
- Shen, K. N. and Shakir, M. (2009). Internet Usage Among Arab Adolescents: Preliminary Findings. *European and Mediterranean Conference on Information Systems, EMCISS 2009*, July 13-14, Izmir, Turkey.
- Shen, R., Richardson, R. and Fox, E. A. (2003). Concept maps as visual interfaces to digital libraries: summarization, collaboration, and automatic generation. *Information Visualization Interfaces For Retrieval And Analysis (IVIRA2003) Workshop*, Rice University, USA.
- Shen, R., Vemuri, N. S., Fan, W. and Fox, E. A. (2006). What Is a Successful Digital Library?. *European Conference on Research and Advanced Technology for Digital Libraries (ECDL2006)*, LNCS 4172, Springer-Verlag, Berlin

Heidelberg: 208-221.

- Sheng, F., Wang, N., Guo, Z. And Guo, L. (2009). Online Network Size, Efficacy, And Opinion Expression: Assessing The Impacts Of Internet Use In China. *International Journal of Public Opinion Research*, 21(4): 451-476.
- Shneiderman, B. and Plaisant, C. (2005). *Designing the User Interface: Strategies for Effective Human-Computer Interaction*. 4th ed. New York: Addison-Wesley.
- Smith, C. (2006). Multiple Cultures, Multiple Intelligences: Applying Cognitive Theory to Usability of Digital Libraries. *Libri*, 56: 227-238.
- Snead, J. T., Bertot, J. C., Jaeger, P. T. and McClure, C. R. (2005). Developing multi-method, iterative, and user-centered evaluation strategies for digital libraries: functionality, usability, and accessibility. *Proceedings of the American Society for Information Science and Technology*, 42(1).
- Spink, A., Wolfram, D., Jansen, M. B. J., and Saracevic, T. (2000). Searching the Web: the Public and Their Queries. *Journal of the American Society for Information Science and Technology*. 52(3): 226-234.
- Sreenivasulu, V. (2001). The role of a digital librarian in the management of digital information systems (DIS). *The Electronic Library*, 18: 12-20.
- Ssemugabi, S. and De Villiers, R. (2007). A Comparative Study of Two Usability Evaluation Methods Using a Web-Based E-Learning Application. *Proceeding of SAICSIT 2007, ACM*, 2 - 3 October 2007, Fish River Sun, Sunshine Coast, South Africa: 132-142.
- Stone, M. (1974). Cross-validators choice and assessment of statistical predictions. *Journal of the Royal Statistical Society*, 36(2): 111-133.
- Stout, W. R. (1987). A nonparametric approach for assessing latent trait unidimensionality. *Psychometrika*, 52: 589-617.
- Straub, D. W., Loch, K. and Hill, C. (2001). Transfer of Information Technology to the Arab world: A test of cultural influence modeling. *Journal of Global Information Management*: 6-28.
- Straub, D., Boudreau, M. C., and Gefen, D. (2004). Validation guidelines for IS positivist research. *Communication of the Association for Information Systems*, 14: 380-426.
- Straub, D., Limayem, M. and Karahanna, E. (1995). Measuring system usage: Implications of IS theory testing. *Management Science*, 41: 1328-1342.
- Sugimoto, S. (2005). Challenges in Digital Libraries - Key Issues Learned from Metadata-Centric Projects at Tsukuba. *The International Advanced Digital Library Conference, Nagoya Noyori Conference Hall Nagoya University, Japan*, August 25-26. Available at <http://iadlc.nul.nagoya-u.ac.jp/archives/IADLC2005/Sugimoto.pdf>. Accessed April 17, 2008.

- Sun, J. (2010). *Is Benefit For Individuals: Expanded Conceptualization And Comprehensive Construct Development*. Unpublished Ph.D Dissertation, The University of Texas, Arlington, USA.
- Sundgren, B. (2005). What is a Public Information System?. *International Journal of Public Information System*, 1: 81-99. Available at <http://www.ijpis.net>. Accessed January 16, 2007.
- Sundgren, B. and Steneskog, G. (2003). Information Systems for Concerted Actions. In Sundgren, B., Mårtensson, P., Mähring, M., and Nilsson, K (Eds.), *Exploring Patterns in Information Management – Concepts and Perspectives for Understanding Change*. Stockholm School of Economic, Economic Research Institute (EFI).
- Svensson, E. (2001). Guidelines to statistical evaluation of data from rating scales and questionnaires. *Journal of Rehabilitation Medicine*, 33: 47-48.
- Szajna, B. (1993). Determining information systems usage: Some issues and examples. *Information Management*, 25(3): 147-154.
- Tamaro, A. M. (2008). User perceptions of digital libraries: a case study in Italy. *Performance Measurement and Metrics*, 9(2): 130-137.
- Tedd, L. A. and Large, A. (2005). *Digital Libraries: Principles and Practice in a Global Environment*. Germany: K. G. Saur Verlag.
- Temme, D., Kreis, H. and Hildebrandt, L. (2006). PLS Path Modeling - A Software Review. Sonderforschungsbereich 649: Ökonomisches Risiko, Humboldt-Universität zu Berlin, Wirtschaftswissenschaftliche Fakultät, discussion paper. Available at http://sfb649.wiwi.hu-berlin.de/fedc/discussionPapers_en.php. Accessed November 27, 2010.
- Tenenhaus, M., Vinzia, V. E., Chatelinc, Y-M. and Lauro, C. (2005). PLS path modelling. *Computational Statistics & Data Analysis*, 1(48): 159-205.
- Tennant, R. (1998a). The most important management decision: hiring staff for the new millennium. *Library Journal*, 123: 102
- Tennant, R. (1998b). Strategies for building 21st century libraries and librarians. In *Proceedings of the VALA Biennial Conference and Exhibition*, Melbourne, Australia: 503-507. Available at <http://sunsite.berkeley.edu/~manager/Presentations/Australia/VALA/tennant.doc>. Accessed March 13, 2009.
- Tenopir, C. (2003). *Use and users of electronic library resources: An overview and analysis of recent research studies*. Washington, DC: Council on Library and Information Resources. Available at <http://www.clir.org/pubs/reports/pub120/pub120.pdf>. Accessed February 11, 2008.
- Teoh, Z.M. and Tan, A.K.G. (2011). Determinants of library use amongst university students. *Malaysian Journal of Library & Information Science*, 16(2):21-31.

- Thanuskodi, S. (2011). User Awareness and Use of Online Journals among Education Faculty Members in Coimbatore District: A Survey. *Journal of Communication*, 2(1): 23-32.
- Thompson, K. M., McClure, C. R. and Jaeger, P. T. (2003). Evaluating Federal websites: improving e-government for the people. In George, J. F. (Ed.), *Computers in Society: Privacy, Ethics, and the Internet*: 400-412. Upper Saddle River, NJ: Prentice-Hall:
- Thong, J. Y. L., Hong, W. Y. and Tam, K. Y. (2002). Understanding user acceptance of digital libraries: What are the roles of interface characteristics, organizational context, and individual differences?. *International Journal of Human-Computer Studies*, 57: 215-242.
- Toms, E. G. (2000). Understanding and facilitating the browsing of electronic text. *International Journal of Human Computer Studies*, 53(3): 423-452.
- Toms, E. G., Dufour, C. and Hesemeier, S. (2004). Measuring the User's Experience with Digital Libraries. *Joint Conference on Digital Libraries (JCDL '04)*, June 7-11, Tucson, Arizona, USA.
- Torkzadeh, G. and Doll, W. J. (1999). The Development of a Tool for Measuring the Perceived Impact of Information Technology on Work. *Omega*, 27(3): 327-339.
- Torkzadeh, G. and Lee, J. (2003). Measures of Perceived End User Computing Skills. *Information and Management*, 40: 607-615.
- Tsakonas, G. and Papatheodorou, C. (2011). An Ontological Representation of the Digital Library Evaluation Domain. *Journal of The American Society For Information Science and Technology*, 62(8):1577-1593.
- Tsakonas, G., Kapidakis, S. and Papatheodorou, C. (2004). Evaluation of User Interaction in Digital Libraries. Ionian University. Available at www.delos.com. Accessed March 20, 2008.
- Tukey, J. W. (1986). *The Collected Works of John W. Tukey III. Multiple Comparisons: 1948-1983*. Belmont, CA: Wadsworth.
- Uddin, M. N. (2003). Internet use by university academics: A bipartite study of information and communication needs. *Online Information Review*, 27(4): 225-237.
- UNESCO. (2003). *Digital Libraries in Education: Analytical Survey*. Moscow: UNESCO Institute for Information Technologies in Education.
- University of Rhode Island. (2006). Survey of Interest in Creating a Repository of Digital Information at the University of Rhode Island. Available at <http://www.uri.edu/ir/>. Accessed May 27, 2008.
- Urbach, N. and Ahlemann, F. (2010). Structural Equation Modeling in Information Systems Research Using Partial Least Squares. *Journal of Information*

Technology Theory and Application, June, 11(2): 5-40.

- Vakkari, P. (2008). Perceived Influence of the Use of Electronic Information Resources on Scholarly Work and Publication Productivity. *Journal of The American Society For Information Science and Technology*, 59(4): 602-612.
- Vassilou, M. and Rowley, J. (2008). Progressing the definition of “e-book”. *Library Hi Tech*, 26(3): 355-368.
- Veeramani, M. and Vinayagamoorthy, P. (2010). Impact of online journals among management graduates at Dubai international academic city – A pragmatic study. *International Journal of Library and Information Science*, 2(2): 017-023.
- Venaik, S., Midgley, D. F. and Devinney, T. M. (2005). Dual paths to performance: the impact of global pressures on MNC subsidiary conduct and performance. *Journal of International Business Study*, 36(6): 655-75.
- Wan Ab. Kadir, W. D. (2008). *Determining the effectiveness of Digital Reference Services in selected Academic Libraries in Malaysia*. Unpublished Ph.D Thesis, University of Malaya, Kuala Lumpur.
- Wan Ab. Kadir, W. D. And Razilan, A. K. (2010). Academic digital library in Malaysia: A case study on the status of digital reference services. *National Seminar on Information Technology in the Library*, 3-5 August, Penang, Malaysia.
- Wang, W. and Benbasat, I. (2005). Trust In and Adoption of Online Recommendation Agents. *Journal of the Association for Information Systems*, 6(3): 72-101.
- Waters, D. (1998). What are digital libraries? CLIR issues, 4, July/August, p1, 5. Available at <http://www.clir.org/pubs/issues/issues04.html#dlf>. Accessed April 16, 2009.
- Watstein, S. B., Calarco, P. V. and Ghaphery, J. S. (1999). Digital Library: Keywords. *Reference Service Review*, 27(4): 344-352.
- Westmark, V. R. (2004). A Definition for Information System Survivability. In *Proceedings of the 37th International Conference on System Sciences (HICSS'04)*, January 5-8, Hilton Waikoloa Village, Hawaii.
- Wetzels, M., Odekerken-Schröder, G. and Oppen, C.V. (2009). Using PLS Path Modeling for assessing hierarchical construct models: Guidelines and Empirical Illustration. *MIS Quarterly*, 33(1), March: 177-195.
- Wijesinghe, S., Sedera, D. and Tan, F. B. (2009). Observing the relevance of Information Systems success model. In *Proceedings of the Pacific Asia Conference on Information Systems (PACIS 2009)*. Available at <http://aisel.aisnet.org/pacis2009/67>. Accessed October 12, 2010.
- Wikipedia. (2010). Digital library. Available at http://en.wikipedia.org/wiki/Digital_library. Accessed December 5, 2010.

- Wildemuth, B. M. (2009). *Applications of Social Research Methods to Questions in Information and Library Science*. Westport, CT: Libraries Unlimited.
- Wilensky, R. (2000). Digital libraries resources as a basis for collaborative work. *Journal of the American Society for Information Science*, 51(3): 228-245.
- Wimmer, R. D. and Dominic, G. R. (2001). *Mass Media Research: An Introduction*. 6th ed. CA, USA: Wadsworth Publishing Company.
- Witten, I. H. (2005). Digital libraries and society: New perspectives on information dissemination. Available at <http://www.cs.waikato.ac.nz/~ihw/publications.html>. Accessed May 8, 2008.
- Witten, I. H. and Bainbridge, D. (2003). *How to build a digital library*. San Francisco: Morgan Kaufmann.
- Witten, I. H., Bainbridge, D. and Boddie, S. J. (2001). Power to the people: End-user building of digital library collections. Available at <http://www.cs.waikato.ac.nz/~ihw/publications.html>. Accessed October 16, 2007.
- Wold, H. (1982). Soft Modelling: The Basic Design and some Extensions. In K. G. Jöreskog and H. Wold (Eds.), *Systems Under Indirect Observation, Part II*, Amsterdam: North-Holland Publishing.
- Wood, J. M. (2007). Understanding and Computing Cohen's Kappa: A Tutorial. WebPsychEmpiricist. Available at http://wpe.info/papers_table.html. Accessed November 26, 2009.
- Wright, P., Blythe, M. and McCarthy, J. (2006). *User Experience and the Idea of Design in HCI*. Lecture Notes in Computer Science. Stephen W. Gilroy and Michael D. Harrison eds. Springer, Berlin/Heidelberg: 1-14.
- Xie, H. I. (2006). Evaluation of digital libraries: Criteria and problems from users' perspectives. *Library & Information Science Research*, 28: 433-452.
- Xie, H. I. (2008). Users' evaluation of digital libraries (DLs): Their uses, their criteria, and their assessment. *Information Processing and Management*, 44: 1346-1373.
- Yi, M. Y. and Davis, F. D. (2003). Developing and validating an observational learning model of computer software training and skill acquisition. *Information System Research*, 14(2): 146-69.
- Yin, R. (1994). *Case Study Research*. 3rd ed. Newbury Park, CA: Sage Publication.