

# Karen Corral<sup>1</sup>

Assistant Professor

Information Technology and Supply Chain Management Department

College of Business and Economics, Boise State University

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## EDUCATION

Ph.D., Business Administration, Arizona State University

M.S., Computer Information Systems, Arizona State University

B.A., English Language and Literature, University of Michigan

## PROFESSIONAL WORK HISTORY

Assistant Professor, College of Business, Arizona State University

Lecturer, College of Business, Arizona State University

## TEACHING

### Courses Taught

#### Boise State University, Fall 2008-Spring 2010

ITM 315, Introduction to Database Systems

ITM 410, Enterprise Systems

ITM 415, Advanced Database Systems

MBA 551, Enterprise Intelligence Models

MBA 596, Independent Study for MBA program, 2 students

#### Grant

Idaho State Board of Education, Technology Incentive Grant, July 2009-July 2010. PI: Robert Minch, Co-PI: Sharon Tabor, Co-PI: Karen Corral. \$80,700.

#### Awards

DISC Professor of the Year, 2000-2001

Teets Outstanding Undergraduate Teaching Nominee, 2002-2003

## RESEARCH

### Published Intellectual Contributions

#### Book Chapters

Corral, K., Schuff, D., St. Louis, R. D., Turetken, O. A Model for Estimating the Savings from Dimensional vs. Keyword Search, in *Advanced Principles for Improving Database Design, Systems Modeling and Software Development*, eds., K. Siau and J. Erickson. IGI Global, Hershey, PA, 2009, pp. 146-157.

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<sup>1</sup> I have published under two names, Karen Dowling and Karen Corral.

## RESEARCH

### Published Intellectual Contributions, continued

#### Refereed Journal Articles

- Corral, K., Schuff, D., St. Louis, R. D. Strategies for Document Management. *International Journal of Business Intelligence Research*, Vol. 1, No. 1, Jan.-Mar. 2010, pp. 64-83.
- Goul, M., Corral, K. Enterprise Model Management and Next Generation Decision Support. *Decision Support Systems*, Vol. 43, No. 3, Apr. 2007, pp. 915-932.
- Corral, K., Schuff, D., Schymik, G., St. Louis, R. Architecting a Dimensional Document Warehouse. *Business Intelligence Journal*, Vol. 12, No. 2, 2<sup>nd</sup> Quarter 2007, pp. 34-41.
- Corral, K., Schuff, D., St. Louis, R. D. The Impact of Alternative Diagrams on the Accuracy of Recall: A comparison of star-schema diagrams and entity-relationship diagrams. *Decision Support Systems*, Vol. 42, No. 1, Oct. 2006, pp. 450-468.
- Chenoweth, T., Corral, K. D., Demirkan, H. Seven Key Interventions for Data Warehouse Success. *Communications of the ACM*, Vol. 49, No. 1, Jan. 2006, pp. 114-119.
- Goul, M., Corral, K., Demirkan, H. Database Schema Design for a Web Services Chain Manager: Requirements and Proposed Infrastructure. *Information Systems Frontiers*, Vol. 7, No. 3, July 2005, pp. 257-271.
- LaBrie, R., Corral, K. L., St. Louis, R. D. Document Search Practices in Knowledge Management: Past, Present, and Future. *Encyclopedia of Knowledge Management*, 2005.
- Chenoweth, T., Dowling, K. L., St. Louis, R. Convincing DSS Users That Complex Models are Worth the Effort. *Decision Support Systems*, Vol. 37, No. 1, Apr. 2004, pp. 71-82.
- Chenoweth, T., Dowling, K., Hubata, R., St. Louis, R. Distance and Prediction Error Variance Constraints for ARMA Model Portfolios. *International Journal of Forecasting*, Vol. 20, No. 1, Jan.-Mar. 2004, pp. 41-52.
- Dowling, K. L., St. Louis, R. D. Asynchronous Implementation of the Nominal Group Technique: Is it effective? *Decision Support Systems*, Vol. 29, No. 3, Oct. 2000, pp. 229-248.

#### Invited Journal Article

- Corral, K. "Experts' Perspective." *Business Intelligence Journal*, Vol. 10, No. 1, Winter 2005, pp.36-37.

#### Submission

- Comparing the Understandability of Alternative Data Warehouse Schemas: An empirical study. With D. Schuff and O. Turetken. Conditional acceptance January, 2010 from *Decision Support Systems*. Second revisions submitted October 1, 2010.

## RESEARCH

### Work in Progress

Management Infrastructure and Web Services. With H. Demirkan. Anticipate submission to *International Journal of Services Sciences* December 2010.

Cost Comparisons of Enterprise Document Store Search Methods Under Various Conditions. With D. Schuff and R. D. St. Louis. Anticipate submission to *Information Systems Research* January 2011.

An Adjustment to the Zipf Distribution. With D. Schuff and R. D. St. Louis. Anticipate submission to *Journal of Information Science* May 2011.

### Presentations Given

Corral, K., Schuff, D., Schymik, G., St. Louis, R. D., BI Congress, "Estimating the Cost of Semantic Indeterminacy in Enterprise Search: A model oriented approach," AIS, Phoenix, AZ. (December 2009).

Schymik, G., St. Louis, R. D., Corral, K. AMCIS, "Order of Magnitude Reductions in the Size of Enterprise Search Result Sets Through the Use of Subject Indexes," AIS, San Francisco, CA. (August 2009).

Corral, K., Schuff, D., St. Louis, R., Turteken, O. AMCIS, "A model for estimating the savings from dimensional versus keyword search," AIS, Keystone, CO. (August 2007).

Schymik, G., Corral, K., St. Louis, R. HICSS, "Architecting a Dimensional Document Warehouse," IEEE, Hawaii. (January 2007).

Corral, K., Schymik, G., St. Louis, R., AMCIS, "A Visual Interface for a Dimensional Document Store," AIS, Acapulco, Mexico. (August 2006).

Corral, K., Schuff, D., Tureken, O. SIG DSS Workshop, "Comparing the Effect of Alternative Data Warehouse Schemas on End User Comprehension Level," AIS, Las Vegas, NV. (December 2005).

Dowling, K. L., Schuff, D., St. Louis, R., AMCIS, "Dimensional Data Models versus Entity Relationship Models: Does it make a difference to end-users?," AIS, Boston, MA. (August 2001).

Cazier, J., Dowling, K. L., Santanam, R., St. Louis, R., AMCIS, "The Effects of Cognitive Feedforward and Feedback on the Perceived Usefulness and Ease-of-Use of Complex Models," AIS, Boston, MA. (August 2001).

Dowling, K. L., St. Louis, R. AMCIS, "Hard Word has a Future Payoff: Laziness pays off now," AIS, Long Beach, CA. (August 2000).

Dowling, K. L., Vinze, A. INFORMS, "Assess Facilitators and Barriers to ERP Outsourcing Decision: A qualitative Approach.," Philadelphia, PA. (November 1999).

## **SERVICE**

### **Editorial and Review Activities**

Associate Editor, Business Intelligence Track at ICIS, 2010.

Co-Chair, Research Track, Business Intelligence Congress, 2010.

Conference Paper Reviewer, HICSS Proceedings. (2004 - Present).

Associate Editor, *International Journal of Enterprise Information Systems*. (2004 - Present).

Conference Paper Reviewer, AMCIS Proceedings. (2000 - Present).

Conference Paper Reviewer, SIG DSS pre-ICIS Workshop. (2002 - 2008).

Decision Support Systems. (2007).

Ad Hoc Reviewer, International Journal of Human Computer Systems. (2006 - 2007).

Conference Paper Reviewer, ICIS Proceedings. (2005).

### **General Service**

#### **College**

Committee Member, Promotion and Tenure. (2008 - 2010).

Committee Member, Research Culture Task Force. (September 2008 - December 2008).

Committee Member, Dean's Review. (Spring 2010)

Committee Member, Undergraduate Policy Team (August 2010 – Present)

#### **Department**

Student Organization Advisor (Professional Organization), AITP. (October 2008 - Present).

#### **Professional**

Chair, Vice-chair, Past-chair, Special Interest Group, Decision Support Systems. (2005 - 2008).

Program Chair, SIG DSS. (2002 - 2005).

Mini-track chair, AMCIS. (2002 - 2004).