

CURRICULUM VITA

January 2019

Douglas L. Dean, Ph.D.

Associate Professor of Information Systems
Brigham Young University

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1. Academic Positions

- 2004-Now Associate Professor, Information Systems, Brigham Young University.
- 1999-2004 Assistant Professor, Information Systems, Brigham Young University.
- 1996-1999 Research Scientist. Center for the Management of Information (CMI), University of Arizona, Tucson AZ

2. Education

- Ph.D. in Business Administration
University of Arizona, September 1995
Major: Management Information Systems
Minor: Management and Policy
- Master of Accountancy, Brigham Young University, September 1989
Emphasis: Information Systems Consulting
Minor: Statistics
- Bachelor of Science, Accounting
University of Utah, 1987, Cum Laude

3. Scholarly Activities

Citations of my work: 2721

h-index: 20

i10-index: 29

URL for my Google Scholar Citations Summary:

<http://scholar.google.com/citations?user=ufO9TP0AAAAJ&hl=en>

View my research on my SSRN Author page: <http://ssrn.com/author=446266>

Peer Review Journal Articles

1. R. Pires dos Santos, D. L. Dean, J. M. Weaver, and Y. Hovanski (forthcoming). Identifying the relative importance of predictive variables in artificial neural networks based on data produced through a discrete event simulation of a manufacturing environment. *International Journal of Modeling and Simulation*.
2. Mark J Keith, Gregory S Anderson, James E Gaskin, Douglas L. Dean (2018). Team video gaming for team building: effects on team performance. *AIS Transactions on HCI*. (10:4) pp 205-231.
3. R.S. Davies, D.L. Dean, Nick Ball (2013). "Flipping the classroom and instructional technology integration in a college-level information systems spreadsheet course," *Educational Technology Research and Development (ETR&D)*, 61:4, pp. 563-580. [Download](#)
4. D.L. Dean, P.B. Lowry, and S. Humpherys (2011). "Profiling the Research Productivity of Tenured Information Systems Faculty at U.S. Institutions." *Management Information Systems Quarterly (MISQ)*, (35:1) pp. 1-15. [Download](#)
5. P.B Lowry, T.L. Roberts, D.L. Dean, and G. Marakas. (2009). "Toward Building Self-sustaining Groups in PCR-based Tasks through Implicit Coordination: The Case of Heuristic Evaluation," *Journal of Association for Information Systems*, (10:3), pp. 170-195. [Download](#)
6. R.E. Orwig and Dean, D.L. (2007). "A method for building a referent business activity model for evaluating information systems: results from a case study," *Communications of the AIS*, 20, pp. 872-891. [Download](#)
7. C.C. Albrecht, D.L. Dean. J.V. Hansen. (2007). "An Ontological Approach to Evaluating Standards in Ecommerce Platforms," *IEEE Transactions on Man, Systems, and Cybernetics, Part C—Applications and Reviews*, 37:5, pp. 846-859. [Download](#)
8. J.V. Hansen, James B. McDonald, C.C. Albrecht, D.L. Dean, and B.B. Anderson (2007). Semantic Web Data Retrieval Implementation with an Adaptive Model for Supporting Agent Decision Structures, *Electronic Commerce Research*, 7, pp. 5-16. [Download](#)

9. D.L. Dean, J.M. Hender, T.L. Rodgers, and E. Santanen. (2006). "Identifying good ideas: constructs and scales for idea evaluation," *Journal of Association for Information Systems*, 7:10, pp. 646-699. [Download](#)
10. de Vreede, G.J., P.G. Koneri, D.L. Dean, A.L. Fruhling, and P. Wolcott (2006). "A collaborative software code inspection: the design and evaluation of a repeatable collaboration process in the field," *International Journal of Cooperative Information Systems*, 15: 2, (June) pp. 205-228. [Download](#)
11. Albrecht, C.C., D.L. Dean, and J.V. Hansen (2005). "Marketplace and Technology Standards for B2B E-Commerce: Progress, Challenges, and the State of the Art," *Information & Management*, 42:6, September, pp. 865-875. [Download](#)
12. Dean, D.L. and P.B. Lowry. (2003). "Consulting at the Laser ISP (LISP) Company: Using Excel™ Metrics Capabilities to Solve Semi-structured Management Problems," *Journal of Information Systems Education*, 14:4, pp. 353-358. [Download](#)
13. C. Albrecht, D.L. Dean, and J.V. Hansen. (2003). "Using Situation Calculus for E-Business Agents," *Expert Systems with Applications*. 24:4, May, pp. 391-397. [Download](#)
14. J.M. Hender, D.L. Dean, T.L. Rodgers, and J. F. Nunamaker, Jr. (2002). "An Examination of the Impact of Stimuli Type and GSS Structure on Creativity: Brainstorming Versus Non-brainstorming Techniques in a GSS Environment," *Journal of Management Information Systems*, 18:4, spring, pp. 59-85. [Download](#)
15. Dean, D.L., and Nasirin, S. (2002). "Principles of effective e-commerce curriculum development," *Communications of the AIS*, 9, pp. 378-391. [Download](#)
16. Dean, D.L., R.E. Orwig, D.R. Vogel, (2000). "Facilitation Methods for Collaborative Modeling Tools," *Group Decision and Negotiation*, 9:2, March, pp. 109-128. [Download](#)
17. A.M. Hickey, Dean, D. L., and J. F. Nunamaker, Jr., (1999). "Establishing a Foundation for Collaborative Scenario Elicitation," *The DATA BASE for Advances in Information Systems*, 30:3-4, summer-fall, pp. 92-110. [Download](#)
18. T. Bahill, A. Mack, K. Bharathan, J. Clymer, D.L. Dean, J. Duke, G. Hill, E. LaBudde, E. Taipale, and A.W. Wymore. (1998). "The Design-Methods Comparison Project," *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, 28:1, February, pp. 80-103. [Download](#)
19. Dean, D.L., J.D. Lee, M.O. Pendergast, A.M. Hickey, J.F. Nunamaker, Jr., (1998). "Enabling the Effective Involvement of Multiple Users: Methods and Tools for Collaborative Software Engineering," *Journal of Management Information Systems*, 14:3, winter, pp. 179-222.
20. Connolly and D.L. Dean, (1997). "Decomposed Versus Holistic Estimates of Effort Required for Software Writing Tasks," *Management Science*, 43:7, July, pp. 1029-1045.
21. Lee, J. D., D.L. Dean, and D.R. Vogel (1997). "Tools and Methods for group data modeling: a key enabler of enterprise modeling," *ACM Special Interest Group Bulletin*, 18:2, August, pp. 59-62. [Download](#)

22. Dean, D.L., M.O. Pendergast, and K.J. Aytes (1997). "Computer-supported collaborative modeling: the Enterprise Analysis Project," *ACM Special Interest Group Bulletin*, April.
23. Dean, D.L., J.D. Lee, R.E. Orwig, and D.R. Vogel, (1994). "Technological support for group process modeling," *Journal of Management Information Systems*, 11:3 (winter): pp. 43-64. [Download](#)

Journal Papers in Progress

1. D.L. Dean, Sean Humpherys. "Research Productivity Required to Attain the Rank of Full Research Professor: Information Systems Faculty at U.S. Institutions. Currently in revise-and-resubmit status at a top IS journal.
2. D.L. Dean, Detmar W. Straub, Jr., V. Sambamurthy, Vladimir Zwass, and Kalle Lyytinenn, Facing the Challenges of Elite Information Systems Journal Publication Productivity: Accomplishments and Future Directions
3. D.L. Dean, Aaron Read, and David Wilson. Antecedents of Knowledge Sharing: A Meta Analysis."
4. Keith, M., Anderson, G., Dean, D., Gaskin, J., The Effects of Team Video Gaming on Team Flow and Performance.
5. D.L. Dean, David Wilson, and Aaron Read. A Meta-Analysis Structural Equation Model (MASEM) of Determinants of Knowledge Sharing.
6. D.L. Dean, David Wilson, and Aaron Read. Antecedents of Intention to Share and Willingness Analysis." to Share Knowledge: A Meta-analysis.

Conference Proceedings

1. Keith, M., Anderson, G., Dean, D., Gaskin, J., Wiser, J. Gremmet,S, Payne, K. (2016). Proceedings of International Conference on Information Systems. The Effects of Video Gaming on Work Group Performance.
2. Keith, M., Anderson, G., Dean, D.L., and J.E. Gaskin. (2014). The Effects of Team Flow on Performance: A Video Game Experiment. Proceedings of the thirteenth SIGHCI, Auckland, NZ.
3. Anderson, R.M & Dean, D.L. (2012). Data mining with VisMiner. Business Intelligence Congress 3. Orlando, FL.
4. R.O. Briggs, G. Kolfshoten, G.J. de Vreede, C. Albrecht, D.L. Dean, and S. Lukosch (2009). "A Seven-Layer Model of Collaboration: Separation of Concerns for Designers of Collaboration Systems," Proceedings of the 2009 International Conference on Information Systems.
5. M.den Hengst, G. Kolfshoten, D.L. Dean, A.Chakrapani (2006). "Assessing the Quality of Collaborative Processes," Proceedings of the 39th Annual Hawaii International Conference on System Sciences.

6. Briggs, R.O., Kolfschoten, G.L., Vreede, G.J. de, and Dean, D.L. (2006) Defining Key Concepts for Collaboration Engineering. Americas Conference on Information Systems, Acapulco, Mexico: AIS.
7. D.L. Dean, A. Deokar, and R. Ter Bush (2006). "Making the Collaboration Engineering Investment Decision," Proceedings of the 39th Annual Hawaii International Conference on System Sciences.
8. Koneri, P.G., G. de Vreede, D.L. Dean, A.L. Fruhling, and P. Wolcott (2005). "The design and field evaluation of a repeatable collaborative software code inspection process," in: Fuks, H. Lukosch, S., Salgado, A.C. (eds.), Proceedings of CRIWG 2005, LNCS3706, pp. 325-340, Springer Verlag: Berlin Heidelberg.
9. S.J.J. Tedjamulia, D.R. Olsen, D.L. Dean, C.C. Albrecht (2005). "Motivating Content Contributions to Online Communities. Towards a More Comprehensive Theory. Proceedings of the 38th Annual Hawaii International Conference on System Sciences. [Download](#)
10. D.L. Dean, T.L. Rodgers, and J. F. Nunamaker, Jr. (2004). "Increasing Inspection Efficiency through Group Support Systems," Proceedings of the 37th Annual Hawaii International Conference on System Sciences.
11. J.M. Hender, D.L. Dean, T.L. Rodgers, and J. F. Nunamaker, Jr. (2001). "Improving Group Creativity: Brainstorming Versus Non-brainstorming Techniques in a GSS Environment," Proceedings of the 34th Annual Hawaii International Conference on System Sciences.
12. Conan C. Albrecht, Douglas Dean, Robert Jackson, Steve Liddle, and Ray Meservy. (2001). A peer-to-peer network protocol for genealogical data. In *Workshop on Technology for Family History and Genealogical Research*. Brigham Young University, March.
13. Rodgers, T. Adams, A, D.L. Dean (1999). "Integrating group decision support systems into ERP implementation process Presented at Second Annual USP Roundtable, ERP and Beyond," Utrecht, The Netherlands, sponsored by Baan Foundation, October 26-29.
14. Rodgers, T.L., D.L. Dean (1999). "Process maturity and inspector proficiency: Feedback mechanisms for software inspections," Proceedings of the 32th Annual Hawaii International Conference on System Sciences
15. Hickey, A.M., D.L. Dean, and J. F. Nunamaker, Jr. (1999). "Setting a foundation for collaborative scenario elicitation," Proceedings of the 32th Annual Hawaii International Conference on System Sciences.
16. Hickey A.M. and D. L. Dean (1998), "Prototyping for Requirements Elicitation and Validation: A Participative Prototype Evaluation Methodology," Proceedings of the 1998 AMCIS, Baltimore MD, pp. 798-800.
17. Rodgers, T. L., D.L. Dean, and D.R. Vogel (1998). "Where's the beef? In the process or in the people?" Proceedings of the AMCIS, Baltimore MD.

18. Hickey, A.M., D.L. Dean and D. R. Vogel (1997). "Participative Analysis of Systems Integration Opportunities," Proceedings of the AMCIS, Indianapolis IN, pp. 943-945.
19. Dean, D.L., Lee, J.D., Nunamaker, J.F., Jr. (1997). "Group tools and methods to support data model development, standardization, and review," Proceedings of the 30th Annual Hawaii International Conference on System Sciences.
20. Dean, D.L., R.E. Orwig, D.R. Vogel (1996). "Facilitation Methods for use with EMS Tools to Enable Rapid Development of High Quality Business Process Models," Proceedings of the 29th Annual Hawaii International Conference on System Sciences.
21. Pendergast, M.O., D.L. Dean, J.D. Lee, Nevstrujev, B. and Katic, N. (1996). "Current advances in group supported business process reengineering," Proceedings of the 29th Annual Hawaii International Conference on System Sciences.
22. Dennis, A., G. Kelly, G. Hayes, R. Daniels, R. Orwig, D.L. Dean. (1994). "Business Process Re-engineering with IDEF and Electronic Meeting Systems," Proceedings of the May, 1994 IDEF Users Group Conference. pp. 99-110.
23. Dean, D.L, R. Orwig, J.D. Lee, and D.R. Vogel (1994). "Modeling with a Group Modeling Tool: Group Support, Model Quality, and Validation," Proceedings of the 27th Annual Hawaii International Conference on System Sciences.
24. Vogel, D.R., R. Orwig, D.L. Dean, J. Lee, and C. Arthur (1993). "Re-engineering with Enterprise Analyzer," Proceedings of the 26th Annual Hawaii International Conference on System Sciences.
25. A.M. Hickey, D.L. Dean, J.F. Nunamaker Jr (1999) "Setting a foundation for collaborative scenario elicitation." Proceedings of the 32nd Annual Hawaii International Conference on System Sciences.
26. Dean, D.L., and K.L. Elder (1991). "An Integrated Approach for Getting the Most out of Two Systems Analysis and Design Courses: Four Critical Success Factors," Proceedings of Sixth Annual Conference of the International Academy for Information Management.

Book Chapters

1. Briggs, R. O., Kolfshoten, G., Vreede G.J., d., Albrecht, C., Lukosch, S., & Dean, D. L. (Forthcoming). A Six-Layer Model of Collaboration for Designers of Collaboration Systems. In J. F. Nunamaker Jr, R. O. Briggs & N. C. Romano Jr (Eds.) *Advances in Collaboration Systems*. Armonk, NY: M.E. Sharpe, Inc.
2. G.L. Kolfshoten, P.B. Lowry, D.L. Dean, GJ de Vreede, R.O. Briggs (forthcoming). "Patterns in Collaboration." *Advances in MIS Series: Collaboration Science, Technologies, Processes and Applications*.
3. Rodgers, T.L., C.C. Albrecht, D.L. Dean, (1998) "Group-Enabled Software Inspections", in *Software Process Improvement: Concepts and Applications*, edited by Eugene McGuire, Idea Group Publishing.

4. D. Jankowski and D.L. Dean (1993), "Integrating CASE Technology into the Information Systems Curriculum: A Case Study." *Computer-Aided Software Engineering: Issues and Trends for the 1990s and Beyond*, Idea Group Publishing, Harrisburg, PA.

Professional Publications

J.O. Cherrington and D. L. Dean. 2000. Top Ten Technologies: Impacts on Education. *The AICPA CPA Letter/Education*, April, pp. G4-G5.

Dissertation

D. L. Dean, "Electronic Meeting Systems Tools and Methods to Increase Group Participation and Productivity During Business Process Modeling. Unpublished Doctoral Dissertation, University of Arizona. September, 1995.

Seminars and Tutorials

1. Douglas L. Dean. 16 November 2010. Salt Lake City, 2nd Annual Utah IT Symposium. University Education for Information Systems Students: Dealing with Recruiting and Educational challenges.
2. Successful Research From Logical Positivist's Perspective Tutorial. R.O. Briggs and D.L. Dean (2005). 38th Annual Hawaii International Conference On System Sciences.
3. Increasing Inspection Efficiency through Group Support Systems (2004). 37th Annual Hawaii International Conference On System Sciences.
4. Collaborative Tools, Processes & Methods to Support Software Engineering Tutorial (2001). J.F. Nunamaker, Jr., D. L. Dean, and J.D. Lee. 34th Annual Hawaii International Conference On System Sciences.
5. Distributed Collaboration: Tools & Methods To Support Software Engineering Tutorial (2000). Dean, D. L. Dean, A.M. Hickey, J.D. Lee, and J.F. Nunamaker, Jr. 33rd Annual Hawaii International Conference On System Sciences.
6. Collaborative Software Engineering Methodology Tutorial (1999). D.L. Dean, Jim Lee, A.M. Hickey. 32nd Annual Hawaii International Conference on System Sciences.
7. EMS-IDEF0 Facilitation Training Seminar. Three-day course taught for Ventana Corporation to EMS facilitators. Various Dates.
8. Software Support for Business Process Modeling and Change Tutorial (1996). Delivered in conjunction with Jay F. Nunamaker, D. R. Vogel. 29th Annual Hawaii International Conference on System Sciences
9. Business Process Reengineering Tutorial--Metrics Definition Topic (1995). Delivered in conjunction with Jay F. Nunamaker, D. R. Vogel, and R. Orwig. 28th Annual Hawaii International Conference on System Sciences

10. Business Process Reengineering Tutorial (1994). Delivered in conjunction with Jay F. Nunamaker, D. R. Vogel, and R. Orwig. 27th Annual Hawaii International Conference on System Sciences
11. Groupware for Business Process Reengineering (1994). Presented in conjunction with J. F. Nunamaker, Frank Lancione, and Ginny Wilkerson. Groupware, 94 Conference, San Jose, California.

Editorial Activity

Senior Editor - AIS Transactions on Replication Research (2016 – present).

Editorial review board - *International Journal of Social and Organizational Dynamics in Information Technology* (2013-2014).

Associate Editor for Collaboration Systems track at European Conference on Information Systems 2014

Reviewing Activity

Reviewer for:

- Management Information Systems Quarterly
- Information Systems Research
- Journal of the Association for Information Systems
- Journal of Management Information Systems
- Information & Management
- Communications of the AIS
- International Journal of Information Systems
- International Journal of Cooperative Information Systems
- Journal of Information Technology Theory & Application
- The DATA BASE for Advances in Information Systems
- Information Systems Frontiers

College Research Award

Outstanding Researcher Award, Marriott School of Management, Brigham Young University, 2005.

4. College and Departmental Service

Committee Service

Information Systems Department

- BSIS Admissions Committee (2005-Current)
- Data Analytics Track (2012-Current)
- Faculty Recruitment Committee Chair (Summer 2011-2017)
- Associate Department Chair, Information Systems Department, Marriott School, Brigham Young University (2006-2008)
- Faculty Evaluation, Promotion and Tenure Committee (2006-2008)
- Student Placement (2006)
- Advocacy Committee (2006-2007)

School of Accountancy and Information Systems

- ISYS 201 Coordinator (2001-2006)
- ISYS Advocacy Committee (2002-2005)
- ISYS Curriculum Committee (2001-2002)
- ISYS Faculty Recruiting Committee (2000-2002)

Marriott School

- MBA Curriculum Committee (2006-2016)
- MBA Technology Society Advisor (2010- 2012)
- College Information Technology Management Committee (2008-2015)
- EMBA Committee (2007-2010)
- Tanner Building Extension Committee (2006-2008)
- Rollins E-business Center Research Committee Lead (2003-2006)
- Rollins E-Business Center Distance Education Committee (2000-2001)
- E-commerce Curriculum Committee (2000-2001)
- Rollins E-Business Center Committee (2000-2001)

Faculty Service Award

Outstanding Faculty-Lead Award. Research Coordinator, Rollins E-business Center, Marriott School, Brigham Young University, 2005.

5. Teaching Experience Summary: Courses Taught

MBA and other Graduate Classes

- Advanced Business Analytics
- Data Mining for Business Intelligence
- Spreadsheets for Business Analysis
- Management and Information technology
- Introduction to E-business
- Advanced Systems Analysis & Design

Undergraduate Classes

- Information Tech & Strategy
- Systems Analysis & Design
- Introduction to Information Systems
- Introduction to Computing

Detailed Teaching history available on request.

Teaching Award

University of Arizona Foundation Award for Meritorious Performance in Teaching, Recipient for the School of Business and Public Administration, 1991.

6. Professional Experience

Corporate Training Clients have included: Verizon Wireless, Glidewell Dental.
Trained on data mining and predictive analytics.

Consulting Clients have included: VMWare, DELL, IBM, DESCIM, DOD Test and Evaluation CIM, Finova Financial Corporation, Lockheed-Martin Corporation, US Army Core of Engineers, US Naval Supply Center, Mitre Corporation, US Army Environmental Center, Novell, Ventana Corporation, and others.

Facilitator: Facilitated numerous Joint Application Development (JAD) meetings and other structured meetings using group support systems and manual techniques, 1995-1999.