

Vita

David S. Preston

Professor of Information Systems

Information Systems and Supply Chain Management Department
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ACADEMIC POSITIONS

- 2016-present: Professor of Information Systems – Texas Christian University
2010-2016: Associate Professor of Information Systems – Texas Christian University
2004-2010: Assistant Professor of Information Systems – Texas Christian University

EDUCATION

PhD - Business Administration (Management Information Systems): University of Georgia (2004)
Masters of Business Administration: University of Georgia
Masters of Science - Engineering: University of Florida
Bachelor of Science - Engineering: University of Florida

AREAS OF RESEARCH

1. IS Strategy / Strategic Alignment
2. IS Leadership
3. IS/Analytics

JOURNAL PUBLICATIONS

1. Liu, K., D.S. Preston, J. Bai (Forthcoming) “The Chief Information Officer: Impact on Organizational Forecasting Outcomes” *Journal of the Association of Information Systems*.
2. Eom M., W. Wu, D.S. Preston, J. Luftman (2020) “Effective IT Project Leadership” *MIS Quarterly Executive* 19(2) pp. 135-155.
3. Benbya, H., D.E. Leidner, D.S. Preston (2019) “MIS Quarterly Research Curation on Information Systems Alignment”. *MIS Quarterly - Research Curations*.
4. Preston, D.S., D. Chen, M. Swink, L. Meade (2017) “Generating Supplier Benefits through Buyer-Enabled Knowledge Enrichment: A Social Capital Perspective”. *Decision Sciences* 48(2) pp. 248-287.
5. Dawson, G., J. Denford, C. Williams, D.S. Preston, K. DeSouza (2016). “An Examination of Effective IT Governance in the Public Sector Using the Legal View of Agency Theory”. *Journal of Management Information Systems* 33(4) pp. 1180–1208.
6. Chen, D., D.S. Preston, M. Swink (2016) “How the Use of Big Data Analytics Affects Value Creation in Supply Chain Management”. *Journal of Management Information Systems* 32(4), pp. 1–36.
7. Chen, D., D.S. Preston, M. Tarafdar (2015) “From Innovative IS Strategy to Customer Value: The Roles of Innovative Business Orientation, CIO Leadership and Organizational Climate”. *Database for Advances in Information Systems* 46(2), pp. 8-29 (shared first authorship).
8. Chen, D. D.S. Preston, W. Xia (2013) “Enhancing Hospital Supply Chain Performance: A Relational View and Empirical Test”. *Journal of Operations Management* 31(6), pp. 391-408 (shared first authorship).
9. Karahanna, E., D.S. Preston (2013) “The Influence of the CIO-TMT Social Capital on IS Strategic Alignment and Value Creation”. *Journal of Management Information Systems* 30(1), pp. 15-55.
10. Leidner, D.E, J. Lo, D.S. Preston (2011) “An Empirical Investigation of the Relationship of IS Strategy with Firm Performance”. *Journal of Strategic Information Systems* 20(4), pp. 419–437.

11. Chen, D., M. Mockler, D.S. Preston, A. Teubner (2010) “Information Systems Strategy: Reconceptualization, Measurement, and Implications”. *MIS Quarterly* 34(2), pp. 233-259 (shared first authorship).
12. Chen, D., D.S. Preston, W. Xia (2010) “Antecedents and Impacts of CIO Supply-side and Demand-side Leadership: A Staged Maturity Model”. *Journal of Management Information Systems* 27(1), pp. 231-267.
13. Leidner, D.E, D.S. Preston, D. Chen (2010) “An Examination of the Antecedents and Consequences of Organizational IT Innovation in Hospitals”. *Journal of Strategic Information Systems* 19(3), pp. 154-170. (runner-up for best paper of 2010).
14. Preston, D.S., E. Karahanna (2009) “The Antecedents of IS Strategic Alignment: A Nomological Network”. *Information Systems Research*, 20(2), pp. 159-179.
15. Preston, D.S., E. Karahanna (2009) “How to Develop a Shared Vision, the Key to IS Strategic Alignment”. *MIS Quarterly Executive* 8(1), pp. 1-8.
16. Preston, D.S., D. Chen, D.E. Leidner (2008) “Examining the Antecedents and Consequences of CIO Strategic Decision-Making Authority: An Empirical Study”. *Decision Sciences* 39(4), pp. 605-642 (finalist for best paper of 2008).
17. Preston, D.S., D.E. Leidner, D. Chen (2008) “CIO Leadership Profiles: Implications of Matching CIO Authority and Leadership Capability on IT Impact”. *MIS Quarterly Executive* 7(2), pp. 57-69.
18. Preston, D.S., E. Karahanna, F. Rowe (2006) “Development of Shared Understanding between the Chief Information Officer and Top Management Team in U.S. and French Organizations: A Cross-Cultural Comparison”. *IEEE Transactions on Engineering Management* 53(2), pp. 191-206.

RESEARCH UNDER REVIEW

1. Chen, D., D.S. Preston, M. Swink. Title: paper is currently within the review cycle. Revise and Resubmit (under 3rd round of review) – *Journal of the Association of Information Systems*.
2. Preston, D.S., D. Chen. Title: paper is currently within the review cycle. (under 1st round of review) – *Journal of Management Information Systems*

RESEARCH IN PROGRESS

1. Turel, O., M. Ghasemaghaei, D.S. Preston. “Factors for Big Data Performance via Organizational Absorptive Capacity”. Research Phase: theory development/data analysis. Target Journal: *MIS Quarterly* (Spring 2021).
3. Sabherwal, R., D.S. Preston, D. Chen, Z. Steelman. The Link between Strategic Alignment and Firm Performance via IT Investment – An Empirical Analysis”. Research Phase: theoretical framing, initial phase of data collection. Target Journal: *MIS Quarterly* (Summer 2021).

CONFERENCE PRESENTATIONS / PROCEEDINGS

1. Preston, D.S., D. Chen, “From Exploitation to Exploration: A Staged Model of Supplier Information Technology Use for Buyer Value Creation”, *Hawaii International Conference on System Sciences*, Hawaii, January 2019.
2. Leidner, D., D.S. Preston, M. Milovich, “Rethinking IS Strategic Alignment: A Middle Management Perspective”, *International Conference on Information Systems*, Seoul, South Korea, December, 2017.
3. Milovich, M, D. Leidner, D.S. Preston, “The Influence of Middle Management on IS Alignment”, *Proceedings of the 48th Hawaii International Conference on System Sciences*, Hawaii, pp. 4585-4594, January 2015.
4. Preston, D.S., E. Karahanna, “The Pathway to IS Strategic Alignment through Shared Strategic Vision and the Deployment of Visioning Mechanisms”, *SIM Academic Workshop - International Conference on Information System*, Montreal, CA, December 2007.
5. Chen, D., Preston, D.S., “Understanding CIO Compensation through Managerial Discretion”, *Proceedings of the 1st China Summer Workshop on Information Management*, Shanghai, China, July 2007.

6. Preston, D.S., “The Strategic CIO: Enhancing Organizational Effectiveness”, *Healthcare Information and Management Systems Society Summit*, San Diego, CA, June 2007.
7. Preston, D.S., Chen, D., “Understanding CIO Role Effectiveness: The Antecedents and Consequents”, *Proceedings of the 40th Hawaii International Conference on System Sciences*, Hawaii, January 2007.
8. Preston, D.S., E. Karahanna, “Mechanisms for the Development of Shared Mental Models between the CIO and Top Management Team”, *International Conference on Information Systems Proceedings*, Washington D.C., pp. 465-480, December 2004.
9. Preston, D.S. “Shared Mental Models between the CIO & CEO: Towards IS Strategic Alignment”, *SIGLEAD Conference*, Athens, GA, April 2004 and *Americas Conference on Information Systems*, Tampa, FL, pp. 3375-3381, August 2003.

BOOK CHAPTERS

1. Karahanna, E., D.S. Preston, D. Chen. “Information Systems Leadership”, in *History, Current Status and Future Development of Management Information Systems*. W. Huang (ed.). Tsinghua University Press.

COURSES TAUGHT

Texas Christian University, Neeley School of Business

INSC 40843: Business Intelligence & Analytics, 12 courses (full semester), (eval = 4.63/5.00)

INSC 60050: MBA - Business Analytics, 7 courses (½ semester), (eval = 4.53/5.00)

INSC 60040: MBA - Managing IT, 16 courses (½ semester), (eval = 4.64/5.00)

INSC 70060: MBA - Supply Chain Analytics, 3 courses (½ semester) (eval = 4.48/5.00)

INSC 30723: BIS Planning, 11 courses (full semester), (eval = 3.68/4.00)

INSC 30833: BIS Development, 4 courses (full semester), (eval = 3.68/4.00)

INSC 20263: Introduction to Information Systems, 4 courses (full semester), (eval = 3.62/4.00)

University of Georgia, Terry College of Business

Ave Teaching Evaluation Score (4.68/5.00): Systems Analysis; Database Management; Introduction to MIS.

WORK EXPERIENCE (ACADEMIC/INDUSTRY/PROFESSIONAL)

- Professor, Texas Christian University
- Doctoral Research Assistant / Teaching Assistant, University of Georgia
- Management Consultant, David S. Preston LLC
- Business Analyst, University of Georgia Technology Commercialization Office
- Senior Project Manager, KES Engineering Services
- Project Manager, Universal Engineering Sciences

SERVICE / AWARDS

Journal - Editorial Positions

- Senior Editor: *Journal of the Association of Information Systems (JAIS)*, July 2019-present
- Associate Editor: *MIS Quarterly*, Jan 2014-Dec2017 (2 terms)
- Editorial Board Member: *IEEE TEM*, *Journal of Strategic Information Systems*

Professional Service

- Journal Reviewer: *MIS Quarterly*, *Information Systems Research*, *Management Science*, *JMIS*, *JAIS*, *IEEE TEM*, *EJIS*, *JSIS*, *JIT*, *MISQ Executive*
- Conference Associate Editor: *International Conference on Information Systems (ICIS)*, 2013-2020
- Conference Associate Editor: *European Conference on Information Systems (ECIS)*, 2009
- Conference Reviewer: *ICIS*, *AMCIS*, *HICSS*, *ECIS*, and *SAIS*

- Panelist/Mentor - *MIS Quarterly* Authors' Workshop: AMCIS 2016, 2017
- Panelist/Mentor - Junior Faculty Workshop: AMCIS 2018
- Panelist/Mentor - Doctoral Student Corner: AMCIS 2017-2020, ICIS 2018
- Member/Mentor: IS Leadership Special Interest Group (2003-present)
- Chair - IS Leadership Mini-track: AMCIS, 2003-2009
- Chair – SIGLead: Association of Information Systems (AIS), 2003-2009

Research Awards

- Neeley School of Business – Deans' Research and Creativity Award (2017-2018 academic year)
- *Journal of Strategic Information Systems* – Finalist for Best Paper of 2010 - “An Examination of the Antecedents and Consequences of Organizational IT Innovation in Hospitals”
- *Decision Sciences* - Finalist for Best Paper of 2008 - “Examining the Antecedents and Consequences of CIO Strategic Decision-Making Authority: An Empirical Study”
- *Information Systems Research* – Reviewer of the Year 2010
- *MIS Quarterly* – Reviewer of the Year 2007

Teaching Awards

- TCU MBA “Favorite Professor” selection (2012-2018)
- TCU MBA teacher of the year (graduate core curriculum 2010)
- Faculty Advisor Case IT Case Competition (TCU - regional representative)
- Faculty Advisor: Cap Gemini Super Techies TV Competition (TCU - winner U.S. representative)

TCU Service

- TCU MS Business Analytics Committee (2020-present)
- Search Committee Member: PPP MS Analytics (2020)
- TCU Faculty Senate (2016-2018)
- University Graduate Curriculum Committee (2010-2013, 2016-2019)
- BIS Internship Faculty Supervisor (2017-2018)
- Search Committee Chair: BIS Director - INSC Department (2018)
- INSC Departmental Research Coordinator (2008-2019)
- Neeley Tenure and Promotion Committee (2012-2015)
- Neeley Building Design/Development Committee (2014-2015)
- INSC Department Head Search Committee (2013)
- University Computer and Telecommunications Committee (2009-2012)
- Neeley Undergraduate Assessment Task Force Committee (2007-2010)
- Neeley Human Safeguards Committee (2007)
- BIS Association Faculty Committee Member (2004-present)
- BIS Association Mentor Program Coordinator (2007-2010)
- University McNair Mentor (2008)
- University Honors Professor (2006)
- Wassenich Mentoring Award Nominee (2006)

Grants

- TCU Office of Research and Sponsored Projects – RCAF Grant (\$3,971)
- Neeley Supply & Value Chain Center (SVCC) Grant (\$5,000)

Dissertation/Thesis Supervision

- Chair: Chelsea Hoffman (TCU M.S. in Supply Chain Management thesis – 2019)
- Chair: Tu Ngoc, Anh Nguyen (Neeley undergraduate honors thesis – 2018)
- Chair: Kylie Reynolds (TCU M.S. in Supply Chain Management thesis – 2016)
- Committee member: Michael Milovich (Baylor PhD dissertation – 2016)
- Chair: St. Julian Snider (TCU M.S. in Supply Chain Management thesis – 2015)

- Committee member: Chase Giles (Neeley undergraduate honors thesis – 2015)
- Committee member: Adam Bartek (Neeley undergraduate honors thesis – 2014)
- Committee member: Cameron Dobson (TCU honors thesis – 2009)
- Chair: Dominic Bethke (McNair Mentor thesis – 2008)
- Committee member: Jin Pei Shan (TCU honors thesis – 2006)

Professional Certifications

- Project Management Professional (PMP)
- Professional Engineer (P.E.)