Kelly T. Slaughter, PhD

Director, BIS Program, Neeley School of Business, Texas Christian University
kelly.slaughter@tcu.edu

Education

Doctor of Philosophy in Business Administration, The University of Minnesota, 2009
Field of Information and Decision Sciences

Master of Business Administration, The University of Chicago, 1999
Concentrations in Strategic Management and Economics

Bachelor of Business Administration (with honors), The University of Texas at Austin, 1992
Majors of Management Information Systems, Finance, and Accounting

Academic Contributions

Publications

- "Feature Repurposing and Cognitive Efficiency in Financial Trading Systems" (2019) in proceedings of the 40th *International Conference on Information Systems*
- "Organizations Helping Organizations in IoT" (2013) *CollaborateCom Proceedings*
- "CMC Influence on Voluntarily Collaborating Knowledge Workers' Perception of Equivocal Tasks" with Subramani, M. and Kampe, D., (2013) *AMCIS 2013 Proceedings*
- "Going IT Alone: The Experienced IT Worker as Integrator of IT and Business Knowledge" (2009) in proceedings of the 30th *International Conference on Information Systems*
- "The Role of Collective Mental Models in IOS Adoption: Opening the Black Box of Rationality in RFID Deployment" (2006) with Riggins, F., in proceedings of *Hawaii International Conference on System Sciences* (HICSS 39)

Conference Presentations

- "Feature Repurposing and Cognitive Efficiency in Financial Trading Systems" (2019) *International Conference on Information Systems*, Munich, Germany
- "Extending Cognitive Fit: Cognitive Niche Construction in Financial Trading Systems" (2017) *AIS CORE SIG Workshop*, Virtual Conference
- "CMC Influence on Voluntarily Collaborating Knowledge Workers' Perception of Equivocal Tasks" (2013) *AMCIS Annual Conference*, Chicago, IL
- "Analyzing Contextual Contingencies for Coordination Improvement in 'Repeated Problem' Trials" (2010) *INFORMS Annual Conference*, Austin, TX
- "Going IT Alone: The Experienced IT Worker as Integrator of IT and Business Knowledge" (2009) *International Conference on Information Systems*, Phoenix, AZ

*Journal Reviewer***:** MIS Quarterly**,** Journal of MIS, Journal of the AIS, Electronic Commerce Research and Applications, International Journal of Production Economics, International Journal of Information Management

Conference Reviewer: ICIS, HICSS, AMCIS, AOM (OCIS)

Practice Contributions

Publications

- "Pervasive Digitization and the Internet of Things" with Baweja, G. (2013) Dallas Business Journal
- "Taming the Wild West of Big Data: The Social Norms and Laws of Social Data" with George, G. (2013) Dallas Business Journal

Moderator

- "Recruiting Gen Z" (August 2019), *Fort Worth IT Symposium*, Fort Worth, TX

Presentations

- "Augmented Reality: The Practical Reality of AR for Today and the Sci-Fi of AR for Tomorrow" (August 2018) with Bondalapti, Sunil, *Fort Worth IT Symposium*, Fort Worth, TX
- "Data Analytics Using an Integrated Microsoft Platform" (June 2017) with Riggins, F., Microsoft Academic Conference for Higher Education, Seattle, WA
- "IT and the Support of Multitasking: Does the CIO have a responsibility to assess productivity or (beep)…one second...wait, where was I again?" (August 2014) *Ft Worth IT Symposium*, Ft Worth, TX
- "Decision Support Between Keyboard and Chair" (June 2014) *Microsoft BI Community*, Monthly Meeting, Irving, TX
- "Big Data and Analytics: A Starter's Guide" (May, 2014) Dallas CPA Society's *Convergence*, Annual Meeting, Addison, TX
- "So What Are Data Scientists Anyway? And Do They Study Dataology?" (August, 2013) *Ft Worth IT Symposium*, Ft Worth, TX
- "Social Data: Opportunities and Compliance Nightmares" (February, 2013) *Institute for Excellence in Corporate Governance*, Monthly Meeting, Dallas, TX

Service
- SIM's DFW Board – help set strategic direction for largest IT executive professional group in DFW
- SIM's DFW STEM Committee – work with local middle and high schools to encourage students to consider STEM careers
- Ft Worth IT Symposium – board of advisors (2014, 2015, 2016, 2017)

Teaching Experience

Texas Christian University (Fall 2018 to present)
INSC 40813 Business Information Systems Consulting, (required BIS major class, teams assigned to industry sponsored projects)
INSC 60050 Business Analytics, (required MBA course)
INSC 60070 Managing Information Technology, (required MBA course)
INSC 20263 Business Information Systems, (required undergrad Neeley intro course)

University of Texas at Dallas (Spring 2013 to Spring 2018)
ITS 4390 IS Senior Capstone, (required undergraduate class for IS students, teams assigned to industry sponsored projects)
ITS 4351 Introduction to BI, (elective undergraduate IS class, includes themes of data mart schema concepts via SQL Server SSIS)
ITS 4353 Business Analytics, (elective undergraduate IS class, includes supervised and unsupervised learning in R and Python)
ITS 4354 Managing Big Data, (elective undergraduate IS class, includes technologies of Hive, Spark, and NoSQL databases)
ITS 4355 Data Visualization, (elective undergraduate IS class, includes themes of data presentation via Tableau, R, Python, and d3)
MIS 6324 BI Software and Techniques, (elective graduate IS class, includes supervised and unsupervised learning in R)
MIS 6380 Data Visualization, (elective graduate IS class, includes themes of information presentation and use of Tableau, R, and d3 tools)
ITS 3300 IS for Business Process and Management, (required undergraduate class, includes themes of organizational design and trends)
MIS 6204 GLEMBA (online), (required class for MBA students, includes themes of IT strategy and digital transformation)

University Service

Director, Business Information Systems (as part of TCU role)
- Managed Industry IS Advisory Board: Recruited and managed team of senior executives for industry educational and engagement opportunities
- Advisor for Association for Information Systems student club
- Coach for case competition teams (won 2019 CoMIS competition)

Director, Center for Information Technology and Management (as part of UT Dallas role)
- Managed Industry IS Advisory Board: Recruited and managed team of senior executives for industry educational and engagement opportunities
- Managed/worked funded projects – created CITM endowment fund from projects
- Solicit donations – created CITM scholarship endowment
- Sponsored data science competitions with matching funds from industry
- Arranged special student projects (e.g., Fujitsu, Gearbox, AT&T)
- Through projects and donations established $100,000 center endowment

Practice Funded Research
- Co-PI for Project funded by financial institution to apply analytic techniques to customer trades

Advisor, Business Intelligence and Analytics Tools Club at UT Dallas, 2013-2014
Advisor, Business Intelligence and Analytics Tools Club at TCU, 2013-2014

Industry Experience

Summary

Over fifteen years of experience managing projects to identify IT-enabled opportunities, designing new operational processes, and implementing new systems; focus in business process redesign and business intelligence serving clients in consumer package goods, retail, entertainment, and health care industries

Life2, Atlanta, GA (March 2018 to on-going)

- As contractor performed analytics development (through R) as part of team to develop predictive models in health care

Humana subsidiary Concentra, Addison, TX (August 2010 to December 2012)

- "Retail to health care" project: Optimizing operational efficiencies regarding new urgent care services capabilities to 300 occupation medicine centers; efforts included organizational redesign and development of custom web application. Delivered on-time within budget, reducing staff required by 50% while reducing delivering information turnaround from nine days to real time

- "One version of the truth" project: Project managed the development of a new business classification reporting scheme to provide consistent, flexible operational and financial metrics across services and business lines

Grant Thornton / Avalion Consulting, Dallas, TX (July 2006 to July 2010)

- *Health care client*: Organized efforts in creating one of first interorganizational health information exchanges in North Texas. Established technical requirements, designed and conducted testing, directed healthcare organization's internal support staff (HIS, lab, radiology, dictation) and vendor staff in development

- *Fortune 1000 international HVAC client:* Researched governance best practices, designed BI governance design to ensure alignment between IT efforts and business needs

- *Diagnostic imaging center client*: Designed, developed and tested HL7 interfaces between radiology information system and McKesson PACS. Trained patient service reps, technicians, and transcriptionists for implementation of new radiology information system

PricewaterhouseCoopers Management, Dallas, TX (1992 to 1999)

- *Fortune 200 packaging client:* Managed team of eleven (four programmers, four subject matter experts, two legacy programmers, and trainer) to develop a custom pricing system module for use by over 300 personnel. Resulted in client estimated annual savings of $10 million. Responsibilities:
  - Conducted extensive management/staff interviews and review of existing systems
  - Developed workplan, presented progress to senior management
  - Established functional requirements, designed pseudo-code, and developed system tests
  - Delivered new system within budget in a third of the time and resources that original system required

- *High tech storage client*: Managed thirteen-member development team tasked to integrate new and legacy system. Responsibilities:
  - Created and documented standards for analysts to follow while developing deliverables
  - Created workplan and system to monitor progress against workplan
  - Credited by senior management for setting team "back on track" after turnover of former management team

- *Retail client:* Consulted on seven-member team chartered to increase in-store sales for retail client through redesign of information access for in-store marketing. Responsibilities:
  - Identified in-store marketing opportunities made available through various IT options
  - Selected software and hardware components for point-of-sale systems
  - Negotiated with vendors to supply store system components ($2 million budget)

- *Fortune 50 entertainment client*: Client planning release of new product expected to achieve record sales and needed to redesign business processes. Project senior manager resigned and I took project lead. Responsibilities:

- Interviewed client staff and management across departments to create "as is" and "to be" process maps
- Developed client performance metrics and goals for managing new processes
- Formulated process redesign, performance gaps, and assessed technology marketplace to address gaps

Community Service

- *Explorations Preparatory School, Flower Mound, TX* – two-year term on board of directors
- *Literacy Instruction for Texas (LIFT), Dallas, TX* – tutored English to non-English speakers

Memberships / Certifications

- Association for Information Systems