

Tom Stafford
Faculty Senate Chair Award Dossier

Introduction

I am submitting this dossier in consideration for the Louisiana Tech Faculty Senate Chair Award. I will speak to my teaching activities and beliefs, my service philosophies and accomplishments, and my research capabilities and hallmarks. I begin with Teaching, as that is the mission that Tech distinguishes itself upon, above any other. It is my belief that regardless of how excellent we are at research or scholarship, our mark upon the State, the Region and the Nation is found in how we prepare our students to be worthy members of industry upon graduation.

Teaching

I joined The Computer Information Systems department at Louisiana Tech's College of Business in the Fall of 2016, recruited to fill the Eminent Scholar position of J.E. Barnes Professor of CIS. My assigned tasks involve coordinating our doctoral program and providing key instruction to the students we recruited to doctoral education in CIS, and I brought with me from my decade and a half at University of Memphis my capabilities as a research methodologist and industrial psychologist focused on technological issues.

The courses I have taught are as follows:

Course/Term	Rating
Fall 2016 CIS 640 – Introduction to IS Research	3.7
Winter 2017 CIS 405/505 – Data Analytics	3.0
Spring 2017 CIS 645 – Qualitative Methodology	4.0
Fall 2017 CIS 646 – Philosophy of Science	4.0
Winter 2018 CIS 405/505 – Data Analytics, CIS 650 Economics of IS Security	4.0
Spring 2018 CIS 645 – Measurement Methods	4.0
Fall 2018 CIS 485 – Global Information Systems	3.3
Winter 2019 CIS 646 Philosophy of science	4.0
Spring 2019 CIS 485 Global Information Systems	In progress

Statement of Belief: Teaching

I used to edit the newsletter for my professional association, during the time I was enrolled in my Ph.D. program in Information Systems. It was my habit to close each editorial column with the statement, "Life is good, Research is fun, and Teaching is our gift to the future." Nothing so encompasses my views on the place teaching has in our world than that statement, which I have been using since I was an Assistant Professor in Marketing in the mid-90's. Our work is unique: we operate as sole contractors, pretty much, when it comes to our jobs on tenure track; but, the impact we have is twofold: once in the research we do, and secondly and most impactful when it comes to the classroom.

We each are professors now because some professor somewhere, sometime, in our academic history, impressed us with the value that teaching provided to the world. I teach at the doctoral level, mostly, and in the field of information systems (which is my second career; I have earned doctorates in both marketing and MIS), I am skilled in the management of technology personal and in international business. Hence, my undergraduates gain mostly from my unique view of the world of international business, which is my signature undergraduate course, CIS 485, Global Information Systems. My desire and hope in that class is to leave the students ready to play the role of CIO (Chief Information Officer) in a globally-diverse firm that engages in outsourcing practices. It is the skill that I can convey to future managers: the ability to understand and work across cultural boundaries in the technological workforce. I bring to this my specialized interest and training in industrial psychology and human resources, in which I carry doctoral minors in my own career, and I like to think this benefits my students and their subsequent career as technologists in an increasingly global marketplace.

At the doctoral level of teaching, I am training the future professors of my field, and I take great pride in this. Just as I am a professor because certain professors in my past impressed me, I strive to be that sort of professor for my students who I am training to become professors and researchers.

My guiding principle in teaching doctoral education is “teach the students about research by publishing with the students,” and I actively seek to mentor and coauthor with doctoral students in order that they might gain publication experience necessary for their subsequent tenure track careers. To that end, I have a long list of sterling accomplishments in which I have involved my doctoral students, and they include the following (student names in bold):

- Islam, M.S.**, Stafford, T., and Stammerjohan, W. (2019), “Big Data Analytics Challenges & Internal Audit Function (IAF)’s Reliance on Big Data Analytics,” *2019 AAA AIS/SET Section Midyear Meeting*. San Antonio, TX: American Accounting Association. 2018-2019 Distinguished Paper Award.
- Farshadkhan, S.**, and Stafford, T. (2019). “The Role of Eyes of Others in Security Violation Prevention: Measures and Constructs.” *Proceedings of the 52nd Annual Hawaii International Conference on Systems Sciences*.
- Stafford, Thomas F., Graham Gal, Robin Poston, Robert E. Crossler, **Randi Jiang** and Robin Lyons (2018), “The Role of Accounting and Professional Associations in IT Security Auditing: An AMCIS Panel Report,” *Communications of the Association for Information Systems* 43(1), 482-493.
- Zhang, Xihui, Thomas F. Stafford, **Ali Murad, Adam Risher and Jordan Simmons** (2018), “How to Measure IT Effectiveness: The CIO’s Perspective,” *Journal of Information Technology Management*, 29(4), 1-22.
- Stafford, Thomas F., George Deitz and **Yaoji Li** (2018), “The Role of Internal Audit and User Training in Information Security Policy Compliance.” *Managerial Auditing Journal*, 33(4), 410-424.
- Islam, Md. Shariful, Nusrat Farah** and Thomas F. Stafford (2018), “Factors Associated with Security/Cybersecurity Audit by Internal Audit Function: An International Study.” *Managerial Auditing Journal*, 33(4), 377-409.
- Islam, Md. Shariful**, and Thomas F. Stafford (2018), “Internal Audit Function (IAF)’s Reliance on Big Data Analytics,” *Proceedings of the American Accounting Association Accounting Information Systems Section annual meeting*.
- Stafford, Thomas F., Wang, T., Syler, R., and **Islam, M. S.** (2018), “Panel: Analytics for Accounting Information Systems Applications,” *Proceedings of the 2018 Americas Conference for Information Systems*.
- Han, Y.**, Stafford, T.F., and Ellis, T.S. (2018), “Lifecasting a Living: Why did I Choose this Technological Career?” *Proceedings of the 2018 ACM SIGMIS CPR Conference*.
- Li, Y.**, Stafford, T.F., Ellis, T.S., and Fuller, B. (2017), “Beyond Extra-Role Security Behaviors in Large Corporate Settings: The Case of Tribal Security.” *Proceedings of the 2017 IFIP Working Group 8.11/11.13 Dewald Roode Information Security Workshop*.
- Hu, Tao**, Thomas F. Stafford, William J. Kettinger, Xihui Zhang and Hua Dai (2017), “Formation and Effect of Social Media Usage Habit,” *Journal of Computer Information Systems*, doi 10.1080/08874417.2016.1261378.

Li, Y., Stafford, T.F., Fuller, B., and Ellis, S. (2017), “Beyond Compliance: Empowering Employees’ Extra-Role Security Behaviors in Dynamic Environments,” *Proceedings of the 2017 Americas Conference for Information Systems*.

Islam, M.S., and Stafford, T.F. (2017), “Information Technology (IT) Integration and Cybersecurity/Security: The Security Savviness of Board of Directors,” *Proceedings of the 2017 Americas Conference for Information Systems*.

Islam, M.S., Jiang, R., and Stafford, T. (2017), “The Role of Accounting and Professional Associations in IT Security Auditing: A Research Panel,” *Proceedings of the 2017 Americas Conference for Information Systems*.

Community/University Service

I am what you’d call a “company man.” My job is to teach the classes I am assigned, conduct research that promotes the College and University mission of academic excellence and international visibility, and to lend my presence and support to any particular endeavor that aids the administrators of my unit in advancing that same mission. I view it as my obligation and privilege to reach out to our constituents in industry and government to advance the fortunes of the College and the University, and it is seldom that major constituent meeting is called that I am not there to lend my support.

I tend to think of myself as a “on call,” for service work, if you’ll pardon the expression. I dress for success, as the old term went, so I teach my classes and hold my office hours in a suit and tie. I bring that gravitas to outside meetings as well, and while it may seem vainglorious to think this way, I fully appreciate the value and impact that a business-formal executive brings to a meeting. I hold this with me from my days in industry, but I find it useful here, too, particularly when it comes to interfacing with industry and government constituents: serious meetings call for a serious presence. I bring that to the table on behalf of my College and University.

I am also externally visible at the international level in my academic discipline as part of my service work. As an Eminent Scholar in my unit, I was brought here to give the University the international visibility in scholarly and research matters that it deserves, and my activities with the Management Information Systems field and the Association for Information Systems have supported that. World class scholarly service work during my time at Tech include:

- **Editor-in-Chief** of the research journal: *ACM DATA BASE for Advances in Information Systems*. Rated "A" for tenure and promotion in information systems.
- **Guest Editor** of the security research journal *Computers & Security*, special issue on Behavioral Information System Security Research.
- **Guest Editor:** *The DATA BASE for Advances in Information Systems* 49(SI). Special Issue on New Theoretical Perspectives in Behavioral IS Security Research.
- **Program Chair and Institutional Sponsor:** 2019 ISONeWorld Conference, Las Vegas, NV.
- **Track Co-Chair:** Advances in Information Systems Research. 2017 America's Conference for Information Systems, Boston, MA.
- **Conference Co-Chair and Institutional Host:** 2018 America's Conference for Information Systems, New Orleans, LA.
- **Track Co-Chair:** Advances in Information Systems Research. 201p America's Conference for Information Systems, Cancun, Mexico.
- **General Chair and Institutional Host:** 2019 IFIP Working Group 8.11/11.13 Dewald Roode Information Security Workshop, Bossier City, LA.

In addition to my scholarly activity in service to institutional visibility, I also engage in service activities at a more targeted level in Louisiana. I have been a regular attendee of the Louisiana Board of Regents' Distance Education Summit.



My interest in distance education spans both teaching and research. I attend the BOR summit annually to both represent the University and to gain unique perspectives on leading edge online education practice. I find this particularly useful since distance education has long been an avocational research topic of mine; I am an early innovator of distance education technology, with a publication record in the area and experience in the method since 1993:

- Stafford, Thomas F. and Keith L. Lindsey (2007), "IP Teleconferencing in the Wired Classroom: Gratifications for Distance Education," *Journal of Information Systems Education*, 18(2) 227-232.
- Stafford, Thomas F. (2005), "Understanding Motivations for Internet Use in Distance Education." *IEEE Transactions on Education*, 48(2), 301-306.
- Stafford, Thomas F. and Marla Roynce Stafford (2003), "Uses and Gratifications for Internet Use In the Distance Education Classroom," *Proceedings of the 2003 American Marketing Association Winter Educators Conference*.

Stafford, Thomas F. and Judith C. Simon (2002), "High-Tech Adjuncts: Using Technology-Mediated Virtual Partnerships to Facilitate the Delivery of Information Systems Course Content." *Proceedings of the 2002 Decision Sciences Institute Conference*.

Newcomer, Julia and Thomas F. Stafford (2001), "Teaching Simultaneously in Dual Classrooms: Tips for When You're Asked to use Videoconferencing as an Instructional Tool." *Proceedings of the Southwest Academy of Management*.

Lastly, I serve the University and the greater community of the Louisiana University System as Senator of the University Senate for Louisiana Tech, with a three year term concluding this year. I have now also been elected to serve as Trustee, The Board of Directors, Techers' Retirement System of Louisiana. This is an elected position and I ran for office on the theme of bringing business expertise and understanding to the management of retirement assets.

Research Productivity

I conduct research both as an aspect of my job as a professor and as an aspect of my job as a mentor to my doctoral students. As noted, above, much of my research seeks to engage the doctoral students under my guidance in the scholar research process of peer review, revision and eventual publication. I believe it to be an essential part of doctoral education, particularly since it gives the students a competitive edge at graduation when they enter the job market themselves. For that reason, some of my research expands beyond my own specific research interests to include the interests of the students. I have found myself, for example, joining the American Accounting Association so that I might help my student Sharif publish in his chosen field of Accounting Information Systems.

For that reason, you will find publications under my byline that appear in journals and conference venues that I might not have actually participated in before my time at Louisiana Tech College of Business.

Islam, Md. Shariful, Nusrat Farah and Thomas F. Stafford (2018), "Factors Associated with Security/Cybersecurity Audit by Internal Audit Function: An International Study." *Managerial Auditing Journal*, 33(4), 377-409.

Islam, M.S., Stafford, T., and Stammerjohan, W. (2019), "Big Data Analytics Challenges & Internal Audit Function (IAF)'s Reliance on Big Data Analytics," *2019 AAA AIS/SET Section Midyear Meeting. San Antonio, TX: American Accounting Association. 2018-2019 Distinguished Paper Award.*

Islam, Md. Shariful, and Thomas F. Stafford (2018), "Internal Audit Function (IAF)'s Reliance on Big Data Analytics," *Proceedings of the American Accounting Association Accounting Information Systems Section annual meeting*.

Even so, I do have topics of my own specific interests, in which I actually write about matters that are important to me, philosophically. One of these is the matter of scientific publication and the peer review process, in which I authored a series of articles in an ongoing discussion in my field:

Stafford, Thomas F. (2018), "Reviews, Reviewers and Reviewing: The "Tragedy of the Commons" in the Scientific Publication Process." *Communications of the Association for Information Systems*, 42, 624-629.

Stafford, Thomas F. (2018), "Rejoined and Regenerated – Response to Responses to Reviews, Reviewers and Reviewing: The Tragedy of the Commons in the Scientific Publication Process." *Communications of the Association for Information Systems*, 42, 663-670.

Stafford, Thomas F. (2016), "Optimizing the Business Side of Science: Publication Review Cycles and Process Management Considerations," *Communications of the Association for Information Systems*, 38(1), 296-306.

My research career has revolved around understanding the psychology of perception and judgment, toward an end of explaining decision making in business contexts. This involves technology use and dependency, cybersecurity, the use of technology in distribution channels and behavioral aspects of business decision making. My published work in this area has applied media use models and mass communication theory to understanding technology use, and includes one of the most frequently downloaded articles in *Decision Sciences Journal*; this research focus can be broadly construed as applied Industrial/Organizational Psychology. My methodological interests span psychometrics, data analytics and measure validation, with a focus on structural equation modeling and data mining applications. Fitting into these areas of interest, my specifically-themed research activity is comprised by the following group of studies:

Hu, Tao, Thomas F. Stafford, William J. Kettinger, Xihui Zhang and Hua Dai (2017), "Formation and Effect of Social Media Usage Habit," *Journal of Computer Information Systems*, doi 10.1080/08874417.2016.1261378.

Zhang, Xihui, Thomas F. Stafford, Jasbir S. Dhaliwal, Mark L. Gillenson and Gertrude Moeller (2014), "Sources of Conflict between Developers and Testers in Software Development," *Information & Management*, 51(1), 13-26.

Zhang, Xihui, Jasbir S. Dhaliwal, Mark L. Gillenson and Thomas F. Stafford (2013), "The Impact of Conflict Judgments between Developers and Testers in Software Development," *Journal of Database Management*, 24(4), 26-50.

Zhang, Xihui, Chi Zhang, Thomas F. Stafford and Ping Zhang (2013), "Teaching Introductory Programming to IS Students: The Impact of Teaching Approaches on Learning Performance," *Journal of Information Systems Education*, 24(2), 147-163.

Stafford, Thomas F., Xihui Zhang, Wade M. Jackson and Ahmad Al-Khasawneh (2012), "Global Diffusion of Information Technology Education: A Comparison with Developing Economies," *Journal of Information Technology Management*, 22(1), 46-61.

Stafford, Thomas F. (2011), "Active Priming of Cultural Stereotypes in Outsourcing Decision Making," *Journal of Global Information Technology Management*, 14(2), 27-47.

Stafford, Thomas F. and Aykut H. Turan (2011), "Online Tax Payment Systems as an Emergent Aspect of Governmental Transformation". *European Journal of Information Systems*, 20(3), 343-357.

Yang, Yang, Thomas F. Stafford and Mark Gillenson (2010), "Employee Satisfaction with Employee Relationship Management Systems: The Impact on System Quality Perceptions," *European Journal of Information Systems*, 20(2), 221-236.

Stafford, Thomas F. and Robin S. Poston (2010), "Online Security Threats and Computer User Intentions," *IEEE Computer*, 43(1), 58-64.

Huq, Faizul, Thomas F. Stafford, M. Khurram S. Bhutta and Saurajit Kanungo (2010), "Differential Effects of Transportation in Supply Chain Optimization Modeling," *Journal of Manufacturing Technology Management*, 21(2), 269-286.

Stafford, Thomas F. (2008), "Social and Usage Process Motivations for Consumer Internet Access," *Journal of Organizational and End User Computing*, 20(3), 1-20.

Stafford, Marla R., Barbara Stern, Thomas F. Stafford and Carol Bienstock (2008), "Consumer Acceptance of Online Auctions: An Extension and Revision of the TAM," *Psychology & Marketing*, 25(7), 619-636.

Bienstock, Carol C., Marla R. Stafford, Dan Sherrel, and Thomas F. Stafford (2008), "An Expanded Model of Logistics Service Quality: Incorporating Logistics Information Technology," *International Journal of Production Economics*, 113(1), 205-222.

Stafford, Thomas F. and Dennis Gonier (2007), "The Online Research Bubble," *Communications of the ACM*, 50(9), 109-112.

Van Slyke, Craig, Virginia Ilie, Hao Lou and Thomas F. Stafford (2007), "Perceived Critical Mass and the Adoption of a Communication Technology," *European Journal of Information Systems*, 16(3), 270-283.

Stafford, Thomas F. (2005), "Computer Self-Efficacy as an Antecedent to the Acceptance of Instant Messenger Technology," *International Journal of Electronic Business Research*, 1(4), 41-50.

Poston, Robin S., Thomas F. Stafford and Amy Hennington (2005), "Spyware: The View from the [Online] Street," *Communications of the ACM*, 48(8), 96-99.

Stafford, Thomas F., and Andrew Urbaczewski (2004), "Spyware: The Ghost in the Machine," *Communications of the Association for Information Systems*, 14(1) 291-306.

Stafford, Thomas F., and Dennis Gonier (2004), "Gratifications for Internet Use: What Americans Like about Being Online," *Communications of the ACM*, 47(1), 107-112.

Stafford, Thomas F., Marla Royne Stafford, and Lawrence L. Schkade (2004), "Determining Uses and Gratifications for the Internet," *Decision Sciences*, 35(2), 259-288. 7th most downloaded article from Wiley/Blackwell Publishers, *Decision Sciences Journal*.

Conclusion

I am flattered to have been nominated for this prestigious award. Candidly, the approval of my peers that led to this nomination is the best reward for work done well that I could imagine. Winning the award would be nice, I have to admit, but simply being in the field of consideration is a singular honor for me, and I appreciate the opportunity to present my dossier.

In concluding my views on the practice of academics as a scientific researcher and teacher of other scientific researchers, I have to say that my initial sentiment is still the best I can

conceive of to characterize the joy that this career brings me: Life is, indeed good. And the research I do is my joyful hobby, not a stricture of the job necessary for tenure. Where so many may be tempted to characterize the research aspect of professorial work as "publish or perish," I feel privileged to feel that my work in this area feels more like a case of "publish and prosper," for the work has rewards of its own, in regard to both intellectual satisfaction and the ability to lead future researchers (my doctoral students) by example as they join me in my published work.

And, lastly and most importantly, what I give to the future is found in my classroom. The students I guide are those who will guide others and while I do not flatter myself to think that I am in any particular way unique in this regard, I do comfort myself as regards to the fruits of my labor and the dedication of my career track with the idea that what I do becomes a template and an example for future professors to will do that same. And to that end:

*Life is Good. Research is Fun.
And Teaching is our gift to the Future.*

Sincerely,

Thomas F. Stafford, Ph.D.
JE Barnes Professor of Computer Information Systems
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