Curriculum Vitae

Shaun D. Hutchins, Ph.D.

Clinical Associate Professor
College Station, Texas
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(*Current as of 9/2/2021*)

EDUCATION

Ph.D. Education, Colorado State University, May 2015
Major: Educational research methodology
Dissertation: *Theoretical Analysis of the Philosophy and Practice of Disciplined Inquiry*

M.A., Experimental Psychology, New Mexico State University, December 2007
Major: Engineering psychology (*Minor*: Experimental statistics)
Thesis: *Exploration of an Expert Mental Model of Usability Methods*

B.A., Psychology, University of Maine at Farmington, June 2000
Emphasis: Developmental psychology

EMPLOYMENT HISTORY

2020–Present	Clinical Associate Professor, Department of Teaching, Learning and Culture, College of Education and Human Development, Texas A&M University, College Station, TX
2020–Present	Associate Director for Evaluation, Texas A&M Education Research Center, Texas A&M University, College Station, TX
2019–2020	Assistant Director, Employee Effectiveness, Talent Acquisition and Development, Austin Independent School District, Austin, TX
2016–2020	Lecturer, Department of Teaching, Learning and Culture, College of Education and Human Development, Texas A&M University, College Station, TX
2017–2019	Program Evaluation Coordinator, Department of Research and Evaluation, Austin Independent School District, Austin, TX
2017–2017	Director of Research, Southwest Region, K12 *Insight*, Herndon, VA
2014–2017	Research analyst, Department of Research and Evaluation, Austin Independent School District, Austin, TX

2013–2014	Research analyst, Department of Assessment and Research, Educational Research and Design, Jefferson County Public Schools, Golden, CO
2012	Adjunct teaching faculty, School of Education, Colorado State University, Fort Collins, CO
2009–2011	Graduate teaching assistant, School of Education, Colorado State University, Fort Collins, CO
2008–2009	Graduate research assistant, School of Education Graduate Programs Office, Colorado State University, Fort Collins, CO
2006–2013	Human factors engineer, Alion Science and Technology, Boulder, CO
2003–2006	Human factors engineer, Micro Analysis & Design, Boulder, CO
2002–2003	Human factors intern, Micro Analysis & Design, Boulder, CO
2001–2003	Graduate research assistant, ARL Advanced Decision Architectures, Department of Psychology, New Mexico State University, Las Cruces, NM

TEACHING EXPERIENCE

2016–Present	Texas A&M University EDCI 605–Qualitative Research Methods in Curriculum and Instruction (Ed.D. level course) EDCI 609–Analysis and Reporting for Records of Study (Ed.D. level course); ***course lead*** EDCI 632–Program Evaluation in Curriculum and Instruction (Ed.D. level course); ***course lead*** EDCI 636–Educator as Researcher (M.Ed level course); ***course lead*** EDCI 661–Mixed Methods Research in Curriculum and Instruction (Ed.D. level course); ***course lead*** EDCI 751–Problem-Based Research Frameworks (Ed.D. level course); ***course lead*** EDCI 754–Trends in Data Management and Analysis (Ed.D. level course); ***course lead***
2012	Colorado State University EDRM 702–Foundations of Educational Research (Ph.D. level course)
2009–2011	Graduate teaching assistant, Colorado State University EDRM 702–Foundations of Educational Research (Ph.D. level course)

Content areas I am comfortable teaching include:

- Foundations of educational research
- Introduction to education research methods
- Quantitative methods in education
- Qualitative methods in education
- Mixed methods in education
- Program evaluation
- Literature review research methods
- Action research
- Database management in K-12 settings
- Conducting research in K-12 settings
- Teacher appraisal systems

PUBLICATIONS AND PAPERS PRESENTED

Peer-Reviewed Journal Articles

Barnes, M. J., McDermott, P. L., Hutchins, S. D., & Rothrock, L. (2011). Framing, loss aversion, and visualization of risk for a dynamic simulation environment. *Journal of Cognitive Engineering and Decision Making, 5*(3), 294–308.

Carolan, T. F., Hutchins, S. D., Wickens, C. D., & Cumming, J. (2014). Costs and benefits of more learner freedom: Meta-analyses of exploratory and learner control training methods. *Human Factors, 56*(5), 999–1014.

Hutchins, S. D., Wickens, C. D., Carolan, T. F., & Cumming, J. M. (2013). The influence of cognitive load on transfer with error prevention training methods: A meta-analysis. *Human Factors, 55*(4), 854–874.

Lu, S., Wickens, C. D., Prinet, J., Hutchins, S. D., Sarter, N., & Sebok, A. (2013). Supporting interruption management and multimodal interface design: Three meta-analyses of task performance as a function of interrupting task modality. *Human Factors, 55*(4), 697–724.

McDowell, K., Nunez, P., Hutchins, S. D., & Metcalfe, J. (2008). Secure mobility and the autonomous driver. *IEEE Transactions on Robotics, 24*(3), 688–697.

Wickens, C. D., Hutchins, S. D., Carolan, T. F., & Cumming, J. (2013). Effectiveness of part task training and increasing difficulty training strategies: A meta-analysis approach. *Human Factors, 55*(2), 461–470.

Wickens, C. D., Hutchins, S. D., Laux, L., & Sebok, A. (2015). The impact of sleep disruption on complex cognitive tasks: Meta-analysis and review. *Human Factors, 57*(6), 930–946.

Wickens, C. D., Rice, S., Hutchins, S. D., Keller, D., & Hughes, J. (2009). False alerts in the air traffic control traffic conflict alert system: Is there a cry wolf effect? *Human Factors, 51*(4), 446–462.

Peer-Reviewed Book Chapters

Hutchins, S. D., Josephson, J. R., Barnes, M., Chandrasekaran, B., McDermott, P., & Miller, T. (2009). An interactive decision support architecture for visualizing robust solutions in high risk military environments. In P. McDermott and L. Allender (Eds.), *Advanced decision architectures for the warfighter: Foundations and technology* (pp. 201–218). Boulder, CO: Alion Science and Technology.

Wickens, C. D., Hutchins, S. D., Carolan, T., & Cumming, J. (2012). Attention and cognitive resource load in training strategies. In A. F. Healy & L. E. Bourne, Jr. (Eds.), *Training cognition: Optimizing efficiency, durability, and generalizability* (pp. 67–88). New York, NY: Psychology Press.

Peer-Reviewed Conference Proceedings and Presentations

Barnes, M., McDermott, P., Hutchins, S. D., Gillan, D. & Rothrock, L. (2003). *The presentation of risk and uncertainty in the context of national missile defense simulations.* Collaborative Technology Alliance Conference: Science and Technology Innovations for the Objective Force. April 29–May 1, 2003, Adelphi, MD.

Carolan, T., McDermott, P. L., Hutchins, S. D., Wickens, C. D., & Belanich, J. (2011). *Investigating The Impact of Training on performance*. Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC), 28 November–1 December, Orlando, FL.

Hutchins, S. D., Cosenzo, K., McDermott, P., Feng, T., Barnes, M., & Gacy, A. M. (2009) An investigation of the tactile communications channel for robotic control. *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting*. 19–23 October, San Antonio, TX.

Hutchins, S. D., Laux, L., Wickens, C. D., & Sebok, A. (2013). The effect of continuous wakefulness on complex cognitive task performance: A quantitative synthesis of research. *Proceedings of the Human Factors and Ergonomics Society 57th Annual Meeting*. 30 September–4 October, San Diego, CA.

Hutchins, S. D., McDermott, P., & Barnes, M. (2010). A comparison of asset versus criteria allocation decisions in military decision making. *Proceedings of the Human Factors and Ergonomics Society 54th Annual Meeting*. 27 September–1 October, San Francisco, CA.

Hutchins, S. D., McDermott, P., & Barnes, M. (2008). Frame consistency in mulit-attribute risk preference decisions. *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting*. 22–26 September, New York, NY.

Koenecke, C., Hutchins, S. D., & McDermott, P. (2005). Visualizations of multidimenstional risk and uncertainty. *Exhibit at the Collaborative Technologies Alliance Conference: Taking Technology to the Edge*. 1–3 June, Washington, DC.

McDermott, P., Barnes, M., & Hutchins, S. D. (2009). Displays and decisions: The chicken or the egg? The influence of displays on the decision making process. *Proceedings of the 9th International Conference on Naturalistic Decision Making*. 23–26 June, London, UK.

McDermott, P., Hutchins, S. D., Barnes, M., Koenecke, C., Gillan, D., & Rothrock, L. (2003). The presentation of risk and uncertainty in the context of national missile defense simulations. *Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting*. 13–17 October, Denver, CO.

McDermott, P. L., Hutchins, S. D., & Barnes, M. (2005). Too little or too much: The effect of feedback on risk assessment in a missile defense task. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting*. 26–30 September, Orlando, FL.

Rothrock, L., Park, S., Barnes, M., McDermott, P., Hutchins, S. D., & Gillan, D. (2003). Systematic analysis of risk visualization strategies for homeland defense. *Presented at the IEEE Systems, Man, & Cybernetics conference*, 5–8 October, Washington, D.C.

Schmitt, L. N. & Hutchins, S. D. (2016). Student learning objectives (SLOs): Analysis of student growth in 2013–2014 by type and source of assessment. *Presented at the American Educational Research Association 2016 Annual Meeting*, 8–12 April, Washington, D.C.

Wickens, C. D., Hutchins, S. D., Carolan, T., & Cumming, J. (2011). Investigating the impact of training on transfer: a meta-analytic approach. *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting*. 19–23 September, Las Vegas, NV.

Wickens, C. D., Laux, L., Hutchins, S. D. & Sebok, A. (2014). Effects of sleep restriction and sleep inertia and overload on complex cognitive performance before and after workload transition: a meta-analysis and two models. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting*, 27–31 October, Chicago, IL.

Wickens, C. D., Prinet, J., Hutchins, S. D., Sarter, N., & Sebok, A. (2011). Auditory-visual redundancy in vehicle control interruptions: 2 meta-analyses. *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting*. 19–23 September, Las Vegas, NV.

Wickens, C. D., Rice, S., Hutchins, S. D., Keller, D., & Hughes, J. (2009). False alerts in the air traffic control traffic conflict alert system: Is there a cry wolf effect? *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting*. 19–23 October, San Antonio, TX.

School District Reports

Andrews, M., Christian, C., Williams, H., Wang, C., Green-Otero, J., Hasty, B., & Hutchins, S. D. (2018). *Creative Learning Initiative Annual Report 2016–2017* (DRE Publication #16.58). Austin TX: Austin Independent School District.

Debaylo, P., & Hutchins, S. D. (2020). *Understanding the School-Wide Value-Added Measure Used in the Professional Pathways for Teachers (PPfT) Appraisal System* (DRE Publication #19.13). Austin TX: Austin Independent School District.

Debaylo, P., & Hutchins, S. D. (2019). *CARES 2018–2019 Evaluation Summary: A Brief Review of the First Year of Implementation* (DRE Publication #18.33). Austin TX: Austin Independent School District.

Debaylo, P., Hutchins, S. D., Leung, J., Looby, K., & Minney, D. (2019). *Professional Pathways for Teachers: 2018–2019 Evaluation Report* (DRE Publication #18.46). Austin TX: Austin Independent School District.

Debaylo, P., Hutchins, S. D., Leung, J., Looby, K., & Minney, D. (2019). *Professional Pathways for Teachers: 2018–2019 Evaluation Report, Executive Summary* (DRE Publication #18.46ES). Austin TX: Austin Independent School District.

Debaylo, P., Hutchins, S. D., & Looby, K. (2018a). *Educator Excellence Innovation Program: A Summative Report on the Four Years of Implementation* (DRE Publication #17.50RB). Austin TX: Austin Independent School District.

Debaylo, P., Hutchins, S. D., & Looby, K. (2018b). *Educator Excellence Innovation Program Four Year Summative Report* (DRE Publication #17.50ES). Austin TX: Austin Independent School District.

Debaylo, P., Hutchins, S. D., & Looby, K. (2018c). *Educator Excellence Innovation Program Technical Report* (DRE Publication #17.50). Austin TX: Austin Independent School District.

Doolittle, M., & Hutchins, S. D. (2018). *Texas Kindergarten Early Assessment (Texas KEA): Comparing Student With or Without Prior Kindergarten Experience* (DRE Publication #17.19). Austin TX: Austin Independent School District.

Hutchins, S. D. (2019a). *Measurement Validity and Reliability of Professional Pathways for Teachers: Research Brief* (DRE Publication #18.33RB). Austin TX: Austin Independent School District.

Hutchins, S. D. (2019b). *Measurement Validity and Reliability of Professional Pathways for Teachers: Technical Report* (DRE Publication #18.33). Austin TX: Austin Independent School District.

Hutchins, S. D. (2017). *Analysis of Equity in Austin Independent School District* (DRE Publication #16.24). Austin TX: Austin Independent School District.

Hutchins, S. D. (2017). *Summary of the Educator Excellence Innovation Program (EEIP) in Austin Independent School District in the Third Year of Implementation* (DRE Publication #16.18). Austin TX: Austin Independent School District.

Hutchins, S. D. (2016a). *Austin Independent School District (AISD) Human Resources Exit Survey 2015–2016: Summary of Teachers' Reasons for Leaving* (DRE Publication #16.04). Austin TX: Austin Independent School District.

Hutchins, S. D. (2016b). *Austin Independent School District (AISD) Human Resources Exit Survey 2015–2016: Summary of Principals' Reasons for Leaving* (DRE Publication #16.05). Austin TX: Austin Independent School District.

Hutchins, S. D. (2016c). *Austin Independent School District (AISD) Human Resources Exit Survey 2015–2016: Summary of Campus-Based Non-Teaching Professionals' Reasons for Leaving* (DRE Publication #16.06). Austin TX: Austin Independent School District.

Hutchins, S. D. (2016d). *Year Two Evaluation of the Educator Excellence Innovation Program in Austin Independent School District* (DRE Publication #15.76). Austin TX: Austin Independent School District.

Hutchins, S. D., Chi, W., & Neill, D. (2014). *Evaluation of the educator effectiveness act in Colorado's largest district*. Unpublished manuscript prepared for the 2015 Annual Meeting of the American Educational Research Association.

Hutchins, S. D., Chi, W., & Neill, D. (2014, January 15). *Schools making strides towards effectiveness: IEG communication regarding individual educator goal progress*. Jeffco Public Schools, *The Messenger Weekly*.

Hutchins, S. D., Chi., W., Neill, D., & MacGillivary, H. (2014). *Systems thinking around educator effectiveness and individual growth goals: What's your school's opportunity*? Poster accepted for presentation at the 28th Annual Conference of the American Evaluation Association. Denver, Co., October 15–18, 2014.

Hutchins, S. D., Hartman, P., & Williams, H. (2018). *Thinking Heuristically About Student Growth in Austin Independent School District* (DRE Publication #17.33). Austin TX: Austin Independent School District.

Hutchins, S. D., Lamb, L., Williams, H., & Lyons, A. (2017). *Has school climate in AISD changed over time since the implementation of the Learning Support Centers?* (DRE Publication #16.15). Austin TX: Austin Independent School District.

Hutchins, S. D., Looby, K., Debaylo, P., & Leung, J. (2019a). *Professional Pathways for Teachers: Executive Summary of Evaluation Findings from 2017–2018* (DRE Publication #17.60ES). Austin TX: Austin Independent School District.

Hutchins, S. D., Looby, K., Debaylo, P., & Leung, J. (2019b). *Professional Pathways for Teachers: Summary of Evaluation Findings from 2017–2018* (DRE Publication #17.60). Austin TX: Austin Independent School District.

Hutchins, S. D., Looby, K., & Reach, J. (2016). *Equity in Austin Independent School District: District summary of equity work and action steps for improvement* (DRE Publication #16.11). Austin TX: Austin Independent School District.

Hutchins, S. D., & Schmitt, L. N. (2016). *Austin Independent School District Central Office Work Environment Survey 2012 through 2016* (DRE Publication #15.45a). Austin TX: Austin Independent School District.

Hutchins, S. D., & Schmitt, L. N. (2015a). *Austin Independent School District Human Resources Exit Survey: Summary of results, 2014* (DRE Publication #14.28). Austin TX: Austin Independent School District.

Hutchins, S. D., & Schmitt, L. N. (2015b). *Professional development activities needs assessment, 2015–2016* (DRE Publication 15.14). Austin, TX: Austin Independent School District.

Hutchins, S. D., & Schmitt, L. N. (2015c). *Staff perceptions of Austin Independent School District's Professional Pathways for Teachers (PPfT) appraisal system: Analysis of the PPfT items from the 2014–2015 Employee Coordinated Survey* (DRE Publication 15.09). Austin, TX: Austin Independent School District.

Jensen, M., Looby, K., & Hutchins, S. D. (2017). *Educator Excellence Innovation Program: Year 3 Summary of Implementation* (DRE Publication #16.50). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2016a). *SAS Educational Value-Added Assessment System (EVAAS®) Scores for Austin Independent School District, 2015* (DRE Publication #15.07). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2016b). *Student learning objectives (SLOs): Analysis of student growth in 2013–2014 by type and source of assessment* (DRE Publication #14.85). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2016c). *TELL AISD Teaching and Learning Conditions Survey: Results for 2011 through 2016* (DRE Publication #15.29). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2015a). *Austin Independent School District Human Resources Exit Survey 2014–2015: Summary of campus-based non-teaching professionals' reasons for leaving* (DRE Publication #14.83 RB ii). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2015b). *Austin Independent School District Human Resources Exit Survey 2014–2015: Summary of teachers' reasons for leaving* (DRE Publication #14.83 RB i). Austin TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2015c). *Sustaining a system for high-quality teachers, Report 2: Market opportunities and typical wages for Austin Independent School District teachers and leavers* (DRE Publication 14.91). Austin, TX: Austin Independent School District.

Schmitt, L. N., & Hutchins, S. D. (2015d). *Technical supplement to sustaining a system for high-quality teachers, Report 2: Market opportunities and typical wages for Austin Independent School District teachers and leavers* (DRE Publication 14.91b). Austin, TX: Austin Independent School District.

Williams, H., Andrews, M., & Hutchins, S. D. (2017). *Summary of Austin Independent School District Telecommuting Surveys* (DRE Publication 17.09). Austin, TX: Austin Independent School District.

Government Technical Reports

Alban, J., Cosenzo, K., Johnson, T., Hutchins, S. D., Metcalfe, J., & Capstick, E. (2009). *Robotics collaboration army technology objective Capstone soldier experiment: Unmanned systems mobility* (TACOM/TARDEC Technical Report 20047RC). Warren, MI: US Army RDECOM-TARDEC.

Bowden, T., Hutchins, S. D., Jacobs, J., Laux, L., & Peters, S. (2012). *Testing cognitive behavior with emphasis on analytical propensity of service members* (ARL-CR-690). Aberdeen Proving Ground, MD: U.S. Army Research Laboratory.

Carolan, T. F., Hutchins, S. D., & Wickens, C. D. (2012a). *Guidance and exploratory learning: An exploratory meta-analysis of effects on transfer*. Submitted to ARI in consideration as a technical report. Alion Science and Technology: Boulder, CO.

Carolan, T. F., Hutchins, S. D., & Wickens, C. D. (2012b). *Learner control: An exploratory meta-analysis of effects on transfer*. Submitted to ARI in consideration as a technical report. Alion Science and Technology: Boulder, CO.

Gillan, D., & Hutchins, S. D. (2002). *Displays for situation awareness: A study of information presentation and integration*. Technical report prepared for Micro Analysis & Design by New Mexico State University under subcontract 6004.003.01-A.

Gore, B. F., Hooey, B. L., Wickens, C., Sebok, A., Hutchins, S. D., Salud, E., Small, R., Koenecke, C., & Bzostek, J. (2010). *Identification of pilot performance parameters for human performance models of off-nominal events in the NextGen environment*. NASA contractor's report: NASA/CR—2010-21641, San Jose State University: San Jose, CA.

Gore, B. F., Hooey, B. L., Wickens, C., Sebok, A., Hutchins, S. D., Salud, E., Small, R., Koenecke, C., & Bzostek, J. (2009). *Identification of NextGen air traffic control and pilot performance parameters for human performance model development in the transitional airspace*. Final report: NRA #NNX08AE87A, San Jose State University: San Jose, CA.

Hutchins, S. D., Carolan, T. F., Plott, B. M., McDermott, P. L., & Orvis, K. A. (2014). *Development of the 'TARGET' training effectiveness tool and underlying algorithms specifying training method-performance outcome relationships* (ARI Research Note 2014-02). U.S. Army Research Institute for the Behavioral and Social Sciences.

Hutchins, S. D., Cosenzo, K., Barnes, M., Feng, T., & Pillalamarri, K. (2010). *Soldier-robot teaming: effects of multimodal collaboration on team communication for robot reconnaissance* (ARL Technical Report ARL-TR-5385). Aberdeen Proving Ground, MD: U.S. Army Research Laboratory.

Hutchins, S. D., McDermott, P. L., Carolan, T. F., Gronowski, M., Fisher, A., & DeMay, M. (2013). *Interpersonal skills summary report* (ARI Research Note 2013-08). Fort Belvoir, VA: U.S. Army Research Institute for the Behavioral and Social Sciences.

Hutchins, S. D., & Plott, B. M. (2014). *Training aide: Research and guidance for effective training user guide* (ARI Research Product 2014-02). Fort Belvoir, VA: U.S. Army Research Institute for the Behavioral and Social Sciences.

Hutchins, S. D., Wickens, C. D., Carolan, T., & Cumming, J. (2012). *Error prevention training support*. Submitted to ARI in consideration as a technical report. Alion Science and Technology: Boulder, CO.

Plott, B. M., McDermott, P. L., Archer, S., Carolan, T. F., Hutchins, S. D., Fisher, A., Gronowski, M., Wickens, C. D., & Orvis, K. A. (2014). *Understanding the impact of training on performance* (ARI technical report 1341). Fort Belvoir, VA: U.S. Army Research Institute for the Behavioral and Social Sciences.

Wickens, C. D., Hutchins, S. D., Carolan, T., & Cumming, J. (2012). *Effectiveness of part task training and increasing difficulty training strategies*. Submitted to ARI in consideration as a technical report. Alion Science and Technology: Boulder, CO.

Dissertation and Thesis

Hutchins, S. D. (2015). *Theoretical analysis of the philosophy and practice of disciplined inquiry* (Doctoral dissertation). ProQuest Dissertations and Theses. (UMI No. 3706362).

Hutchins, S. D. (2007). *Exploration of an expert mental model of usability methods* (Unpublished master's thesis). New Mexico State University, Las Cruces, NM.

SCHOLARLY AWARDS

American Educational Research Association, 2019 Division H Outstanding Publication Award, Applied Research: Category 2, Program Evaluation.

American Educational Research Association, 2016 Division H Outstanding Publication Award, Applied Research: Category 1b, Applied Research Reports.

School of Education Fellowship, Colorado State University, 2008–2009

The Jerome H. Ely Human Factors Article Award for the most outstanding article in Human Factors during 2009

FUNDING AGENCIES

U.S. Department of Education, Improving Basic Programs Operated by Local Educational Agencies Fund (Title I, Part A)

U.S. Department of Education, Teacher and Principal Training and Recruiting (TPTR) Fund (Title II, Part A)

U.S. Department of Education, Teacher Incentive Fund (TIF)

U.S. Department of Education, Teacher Quality Partnership (TQP) program

The Texas Education Agency (TEA) Educator Excellence Innovation Program (EEIP)

U.S. Army Research Laboratory Human Research & Engineering Directorate (ARL/HRED)

U.S. Army Research Institute for the Behavioral and Social Sciences (ARI)

U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC)

U.S. Air Force Research Laboratory Human Effectiveness Directorate (AFRL/HE)

National Aeronautics and Space Administration (NASA)

Federal Aviation Administration (FAA)

PROFESSIONAL SERVICE/EXTRACURRICULAR ACTIVITIES

Student Mentoring

2021 – Present	Graduate committee faculty member in Teaching, Learning, and Culture
2016 – Present	Ad hoc student mentorship on record of study research methods
2017	Graduate faculty status obtained in Teaching, Learning and Culture

Affiliations

2015–2020	Austin Area Evaluators
2015–2020	AISD Professional Pathways for Teachers District Oversight Committee
2016–2018	American Educational Research Association (AERA)
2014–2019	Central Texas Education Researchers' Collaborative (CTERC)
2015–2016	Anthropology Meetup Group: Central Texas
2015–2016	Austin User Experience Professionals Association (UXPA)
2013–2014	Association of Colorado Educational Evaluators (ACEE)
2001–2006	Human Factors and Ergonomics Society (HFES)

Select Informal Presentations

2017 AISD DRE Brown Bag Presentation: *An Introduction Normal Curve Equivalents* (February, 2017)

2017 AISD DRE Brown Bag Presentation: *An Introduction SAS EVAAS and EVAAS Web Reports* (January, 2017)

2016 AISD DRE Brown Bag Presentation: *Equity Research: Thinking about the dialectic and critical perspectives, Part II* (May, 2016)

2016 AISD DRE Brown Bag Presentation: *Equity Research: Thinking about the dialectic and critical perspectives, Part I* (April, 2016)

2015 AISD DRE Brown Bag Presentation: *A re-introduction to social science theories* (December, 2015)

2015 CTERC Presentation: *Using Excel to generate high-quality figures* (November, 2015)

2015 AISD DRE Brown Bag Presentation: *What do we understand about methodologies?* (October, 2015)

2015 AISD DRE Brown Bag Presentation: *Graph fun, 100% stacked divergent bar graphs in Excel for rating data and other graphing Excel tips* (September, 2015)

2015 CTERC Presentation: *Sustaining a system for high-quality teachers: Results from reports 1 & 2* (September, 2015)

2015 AISD DRE Brown Bag Presentation: *Student learning objectives: Analysis of student data* (June, 2015)

Editorial Work

Reviewer, AERA's Division H Outstanding Paper Competition, 2021

Reviewer, AERA's Division H Outstanding Paper Competition, 2015

Ad-hoc reviewer, *Journal of Cognitive Engineering and Decision Making*, 2010

Select Extracurricular Activities

Center for Innovation in Teaching Excellence (CITE) steering committee, Texas A&M University, Department of Teaching, Learning and Culture, 2021–Present

Clinical Evaluation Committee, Texas A&M University, Department of Teaching, Learning and Culture, Spring 2021–Present

M.Ed. steering committee, Texas A&M University, Department of Teaching, Learning and Culture, 2021–Present

Online Ed.D. steering committee, Texas A&M University, Department of Teaching, Learning and Culture, 2020–Present

Raise Your Hand Texas, Clinical Observation Instrument Committee, Texas A&M University, Department of Teaching, Learning and Culture, 2021–Present

Tiger Team, Distance Education Committee, Texas A&M University, Department of Teaching, Learning and Culture, 2021–Present

Continuous Improvement Process Coordinator, Texas A&M University, College of Education and Human Development, Summer 2021

Graduate program fees task force, Texas A&M University, Department of Teaching, Learning and Culture, 2020–2021

Graduate Student Representative, Colorado State University, School of Education, College of Applied Human Sciences, 2008–2009

President of the Student Chapter of Human Factors and Ergonomics Society (HFES) at New Mexico State University, 2002

Member of New Mexico State University Graduate Colloquia Committee, 2002–2003

Helped plan, organize, and create the departmental usability lab for the Psychology Department, New Mexico State University, 2002

PROFESSIONAL TRAINING AND CERTIFICATIONS

SAS Programming 2: Data Manipulation Techniques, SAS, 2015

SAS Programming 1: Essentials, SAS, 2014

SAS Enterprise Guide 2: Advanced Tasks and Querying, SAS, 2014

SAS Enterprise Guide 1: Querying and Reporting, SAS, 2014

Lean Six Sigma–Green Belt (course only), Alion University, Alion Science & Technology, 2011

Lean Six Sigma–Yellow Belt, Alion University, Alion Science & Technology, 2011