

Faculty Vita

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Gerald A. Knezek
Regents Professor
Department of Learning Technologies, College of Information
University of North Texas Discovery Park

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AREAS OF EXPERTISE

Technology Integration Innovations
Research Design / Measurement Models / Multivariate Data Analysis
Data Mining / Scaling Methods
Telecommunications / Distance Learning / Mobile Learning
Computer-Aided Instruction / Intelligent Tutoring Systems
Theories of Learning / Educational Psychology / Learning Sciences
STEM Innovations Education / Space Science

Dr. Knezek's research interests include measuring attitudes and dispositions toward information technology, developing and testing formal models of technology integration, developing practical research designs, and refining scaling methods and techniques. He is Director of the Institute for the Integration of Technology into Teaching & Learning (IITTL) at UNT and Past President of the Society for Information Technology & Teacher Education (SITE). He is a Founder of the American Educational Research Association Special Interest Group on Technology as an Agent of Change in Teaching and Learning (TACTL SIG). He is Lead Principal Investigator for a U.S. National Science Foundation (NSF) Innovative Technologies project Going Green! Middle Schoolers Out to Save the World (NSF #1312168), a four-year scale-up expanding five years of initial funding (MSOSW, NSF #0833706) aimed at enhancing middle school student interest in STEM content and careers. He was Co-Principal Investigator for an NSF-funded Digital Fabrication project conducted at UNT in collaboration with the University of Virginia and Cornell University (Fab@School, NSF #1030865) featuring the development of engineering design skills at the upper elementary school level. He was previously Co-Principal Investigator for a U.S. Fund for Improvement for Post-Secondary Education project titled simMentoring (#P116B060398, 2007-2010) as well as an NSF Research in Disabilities grant featuring the placement of virtual students with disabilities in dynamic, online simulator for teachers (2009-11). He was Lead PI on the local UNT award from Gates/EDUCAUSE to expand the user base of simSchool worldwide to 10,000. During the early 2000s, Dr. Knezek was Principal Investigator of the U.S. Dept. of Ed. Technology Innovation Challenge Grant R303A99030 External Evaluation for 1999-2004 and Lead Principal Investigator for the U.S. Dept. of Ed. Preparing Tomorrow's Teachers to Use Technology (PT3) Millennium Project Capacity and Implementation Grants (P342A990474 & P342A000123A) for 1999-2003. Dr. Knezek was doctoral program coordinator for Educational Computing from 2002-2004 and Learning Technologies Program Coordinator from 2014-2016. He held the Matthews Chair for Research

in Education at the University of North Texas from 1995-1997. He was a Fulbright Scholar at the Tokyo Institute of Technology and Japan's National Center for University Entrance Examinations during 1993-94 and shared time between Texas and Ecuador on a Fulbright Senior Specialist appointment during 2006-07. He received a third Fulbright award as Senior Specialist to the Netherlands in 2012-13. Dr. Knezek received his B.A. in Mathematics and Social Sciences from Dartmouth College, and his M.Ed. and Ph.D. degrees in Educational Psychology from the University of Hawaii. He advanced to the rank of Full Professor in 2000 and has held the title of Regents Professor since 2008.

EDUCATION

<u>Year</u>	<u>Degrees</u>	<u>Major</u>	<u>Institution</u>
1974	B. A.	Mathematics & Social Sciences	Dartmouth College
1976	M.Ed.	Educational Psychology	University of Hawaii
1978	Ph.D.	Educational Psychology	University of Hawaii

PROFESSIONAL EXPERIENCE

<u>Date</u>	<u>Organization</u>	<u>Location</u>	<u>Rank/Job Title</u>
2008-present	Learning Technologies	University of North Texas	Regents Professor
2000-2008	Technology & Cognition/ Learning Technologies	University of North Texas	Professor
1993-1999	Technology & Cognition	University of North Texas	Associate Professor
1992-1993	Computer Education & Cognitive Systems	University of North Texas	Associate Professor
1987-1992	Computer Education & Cognitive Systems	University of North Texas	Assistant Professor
1986-1987	Computer Science	North Texas State University	Assistant Professor
1983-1987	Computer Science	North Texas State University	Lecturer
1981-1983	Hawaii Loa College	Kaneohe, Hawaii	Assistant Professor
1978-1981	Chaminade Univ. of Honolulu	Honolulu, Hawaii	Director of Institutional Research

Temporary Positions

2006-2007	Casa Grande University	Guayaquil, Ecuador	Fulbright Visiting
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Summer/Fall/Winter			Scholar
1994-Summer	National Center for Univ. Entrance Examinations	Tokyo, Japan	Fulbright Visiting Scholar
1993-Fall	University of Hawaii	Honolulu, Hawaii	Visiting Scholar
1993-Summer	Tokyo Institute of Technology	Tokyo, Japan	Fulbright Visiting Scholar
1989-Summer	National Institute of Higher Education	Trinidad-Tobago	Computer Education Instructor
1986-Summer	University of Hawaii (HCC/DOE)	Honolulu, Hawaii	Computer Science Instructor
1983-Summer	University of Hawaii (HCC/DOE)	Honolulu, Hawaii	Computer Education Instructor
1982-Summer	University of Hawaii	Pohnpei, Micronesia	Educ. Curriculum & Instruction Instructor
1981-Summer	University of Hawaii	Pohnpei, Micronesia	Educ. Communications & Technology Instructor
1980-Summer	University of Hawaii	Pohnpei, Micronesia	Educ. Psychology Instructor
1975-1978	General Assistance Center for the Pacific	Honolulu, Hawaii	Program Evaluator
1973-Winter	Kicking Horse Job Corps Center	Confederated Saleish and Kootenai Indian Reservation, Montana	Teaching Intern
1973-Fall	Hanover High School Dresden Plan	New Hampshire	Teaching Intern

Administrative Appointments

2024	Workload Task Force Dept of Learning Technologies	College of Information, University of North Texas	Member
2013	College of Information Augmentation Task Force Committee	University of North Texas	Member
2006-2008	Center for Interdisciplinary Research & Analysis	College of Education, University of North Texas	Director

2000-Present	Institute for the Integration of Technology into Teaching and Learning	University of North Texas	Director
1990-1998	Educ. Telecomm & Informatics Laboratory	Texas Center for Educational Technology	Laboratory Director
1983-1987	Dept. of Computer Science	North Texas State University	Computer Resources Coordinator
1985-1986	NTSU Computer Park	Dallas, Texas	Director
1981-1983	Hawaii Loa College	Kaneohe, Hawaii	Coordinator of Instructional Computing

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed Articles (Published)

Asim, S., Knezek, G., Christensen, R., & Tyler-Wood, T. (2024) Editorial: alternative views of the 2024 total solar eclipse: Looking down with pinhole projectors can be just as engaging as donning eclipse glasses to look up. *Contemporary Issues in Technology in Education*.

Christensen, R., & Knezek, G. (2024). Impacting student perceptions of engagement and student voice through equity-focused teacher professional development in a simulated teaching environment. *Journal of Interactive Learning Research (JILR)*, 35(2), 141-166.

Erstad, O., Černochová, M., Knezek, G., Furuta, T., Kyosuka, T., & Lang, C. (2024). Social and emotional modes of learning within digital ecosystems: Emerging research agendas. *Technology, Knowledge and Learning*, 29, 1751–1766.
<https://doi.org/10.1007/s10758-024-09775-w>

Knezek, G., Christensen, R., & Smits, A. (2024). Cross-validating four measures of technology integration: Stages of adoption, CBAM LoU, ACOT and TPACK Core. *Journal of Digital Learning in Teacher Education*. <https://doi-org.libproxy.library.unt.edu/10.1080/21532974.2024.2396897>

Christensen, R., & Knezek, G. (2023). Impact of space science innovative technology activities on middle school student groups underrepresented in STEM. *Journal of Computers in Mathematics and Science Teaching*, 41(4), 1-29.

Goodman, A., Lee, Y., Elieson, W. & Knezek, G. (2023). Using Self-Regulated Learning Theory and Learning Analytics to Identify Explanatory Variables Affecting Learning Outcomes in Online/Hybrid Undergraduate Calculus. *Journal of Computers in Mathematics and Science Teaching*, 42(2), 125-154. Waynesville, NC USA: Association for the Advancement of Computing in Education (AACE). Retrieved January 10, 2024, from <https://www.learntechlib.org/primary/p/221642/>.

Knezek, G., Christensen, R., Smits, A., Tondeur, J., & Voogt, J. (2023). Strategies for developing digital

competencies in teachers: Towards a multidimensional Synthesis of Qualitative Data (SQD) survey. *Computers & Education* 193, 104674.

Trevisan, O., De Rossi, M., Christensen, R., Knezek, G., & Smits, A. (2023). Factors shaping faculty online teaching competencies during the Covid-19 pandemic. *Education Tech Research & Development*. <https://doi.org/10.1007/s11423-023-10197-1>

Christensen, R. & Knezek, G. (2022). Impacting culturally responsive teaching strategies by decreasing bias through simulation experiences. *Excellence and Innovation in Teaching and Learning*, 7(2), 39 – 56. Doi: 10.3280/exioa2-2022oa15077

Knezek, G., Christensen, R., Smits, A., Tondeur, J., & Voogt, J. (2022). Strategies for developing pre-service teachers' digital competencies: Towards a multidimensional synthesis of qualitative data (SQD) survey instrument. *Computers & Education*. <https://doi.org/10.1016/j.compedu.2022.104674>

Knezek, G., Gibson, D., Christensen, R., Trevisan, O., & Carter, M. (2022). Assessing approaches to learning with non-parametric multidimensional scaling. *British Journal of Educational Technology (BJET)*. <https://doi.org/10.1111/bjet.13275>

Scott, J., & Knezek, G., & Poirot, J., & Lin, L. (2022). Attributes of learning organizations: Measuring personalized online learning and alternative credentials as part of a learning culture. *TechTrends*, <https://link.springer.com/article/10.1007/s11528-022-00773-2>

Trevisan, O., De Rossi, M., Christensen, R., & Knezek, G. (2022). Multinational perspectives on Covid-19 challenges: Faculty responses to distance education in Italy and the USA. *Qwerty - Open and Interdisciplinary Journal of Technology, Culture and Education*, 17. DOI:10.30557/QW000056

Christensen, R., & Knezek, G. (2021). Maggie goes to Mars: Adapting innovative technology activities for remote learning opportunities. *The Journal of Computers in Mathematics and Science Teaching*, 40(4), 341-346.

Ma, S., & Knezek, G., & Spector, J. (2021). University student perceptions of social media as a learning resource in China and the U.S.A. *TechTrends*, 65(10), 524-534. <https://link.springer.com/article/10.1007/s11528-021-00597-6>

Tondeur, J., Petko, D., Christensen, R., Drossel, K., Starkey, L., Knezek, G., & Schmidt-Crawford, D. A. (2021). Quality criteria for conceptual technology integration models in education: Bridging research and practice. *Educational Technology Research & Development*, 69, 2187-2208. <https://doi.org/10.1007/s11423-020-09911-0>

Voogt, J., & Knezek, G. (2021). Learners and learning contexts: International perspectives on new alignments for the digital age. *Education Technology and Research Development*, 69, 2083-2089. <https://doi.org/10.1007/s11423-021-09985-4>

Voogt, J., & Knezek, G. (2021). Teaching and learning with technology during the COVID-19 pandemic: Highlighting the need for micro-meso-macro alignments [Special issue]. *Canadian Journal of Learning and Technology*, 47(4), 1-12.

Knezek, G. & Christensen, R. (2020). Project-based learning for middle school students monitoring standby power: Replication of impact on stem knowledge and dispositions. *Educational Technology Research & Development (ETR&D)*, 68(1), 137-162.

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- Knezek, G., Christensen, R., & Ng, C. (2020). Inspiring STEM engagement: Space science education in the 21st century. *Journal of Computers in Mathematics and Science Teaching (JCMST)*, 39(4), 285-290.
- Christensen, R., & Knezek, G. (2020). Connecting students to Mars and stars using innovative technologies. *Journal of Educational Multimedia and Hypermedia*, 29(3), 181-192.
- Christensen, R., & Knezek, G. (2020). Indicators of middle school students' mathematics enjoyment and confidence. *School Science and Mathematics Journal*, 120(6).
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- Knezek, G., & Christensen, R. (2019). Project-based learning for middle school students monitoring standby power: replication of impact on stem knowledge and dispositions. *Educational Technology Research & Development*, 67(3), 1-26. DOI: <https://doi.org/10.1007/s11423-019-09674-3>.
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intent.

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Peterman, K., Kermish-Allen, R., Knezek, G., & Christensen, R. (2016). Measuring student career interest within the context of technology-enhanced STEM projects: A cross-project comparison study based on the career interest questionnaire. *Journal of Science Education and Technology*, 1-13, doi: 10.1007/s10956-01609617-5.

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Voogt, J. & Knezek, G. (2016). Technology enhanced quality education for all – Outcomes from EDUSummIT 2015. *Educational Technology & Society* 19(3), 1-4.

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Christensen, R., Knezek, G., & Tyler-Wood, T. (Jan. 2015). A Retrospective Analysis of STEM Career Interest among Mathematics and Science Academy Students. *International Journal of Learning, Teaching and Educational Research*, 10(1), 45-58.

Christensen, R., Knezek, G., & Tyler-Wood, T. (2015). Alignment of hands-on STEM engagement activities with positive STEM dispositions in secondary school students. *Journal of Science Education and Technology* 24(6), 898- 909. Available: <http://dx.doi.org/10.1007/s10956-015->

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- Tyler-Wood, T., Estes, M., Christensen, R., Knezek, G., & Gibson, D. (2015). SimSchool: An opportunity for using serious gaming for training teachers in rural areas. *Rural Special Education Quarterly*, 34(3), 17-20. <https://doi.org/10.1177/875687051503400304>
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- Mills, L., Knezek, G., & Khaddage, F. (2014). Information Seeking, Information Sharing, and going mobile: Three bridges to informal learning, *Computers in Human Behavior* 32, 324-334, ISSN 0747-5632, <http://dx.doi.org/10.1016/j.chb.2013.08.008>.
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- Knezek, G., Christensen, R., Tyler-Wood, T., & Periathiruvadi, S. (2013). Impact of environmental power monitoring activities on middle school student perceptions of STEM. *Science Education International*, 21 (1), 98-123.
- Mills, L., Knezek, G., & Wakefield, J. (2013). Understanding Information Seeking Behavior in Technology Pervasive Learning Environments of the 21st Century. *The Turkish Online Journal of Educational Technology* 12(4), 200-208.
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- Christensen, R., Knezek, G., Tyler-Wood, T., & Gibson, D. (2011). SimSchool: An online dynamic simulator for enhancing teacher preparation. *International Journal of Learning Technology*, 6(2), 201-220.
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Refereed Article Compendiums (peer reviewed articles printed in books)

Most papers in this category are published in books resulting from the World Conference on Computers in Education (WCCE) held every 5-6 years in different regions of the world. Complete manuscripts are submitted in competition for this book approximately one year in advance. Papers are reviewed by three international readers, with a subset being accepted for presentation and a still smaller subset being selected for publication in the post-conference book focusing on the conference theme. For example, for WCCE '90 in Sydney, Australia, 560 full papers were submitted from 41 nations; 190 were selected for publication. Beginning with WCCE '95 in Birmingham, England, only the top 100 papers have been published in the post conference book.

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International

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Refereed Articles (Under Review)

Knezek, G., & Christensen, R. (Under review, invited). Improving teaching effectiveness for students with special learning needs through on-line simulations. *International Journal on E-Learning*.

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Chapters (In Press)

Furuta, T., Yoshiaki, O., & Knezek, G. (in press). Teaching coding and computational thinking with model train robotics: Social factors that motivate students to learn programming. In T. Keane & A. E. Fluck (Eds.), *Teaching Coding in K-12 Schools*. Springer.

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- Knezek, G., Christensen, R., Tyler-Wood, T. & Gibson, D. (2014, under review). Gender differences in conceptualizations of STEM career interest: Complimentary perspectives from data mining, multivariate data analysis and multidimensional scaling. *Journal of STEM Learning*.
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Other Published Items

Knezek, G., & Christensen, R. (2001, Fall). Evaluation Findings. *Kids*

News, 2(1). Knezek, G., & Christensen, R. (2000, Fall). Evaluation update.

Kids News, 1(1).

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Christensen, R., & Knezek, G. (1995). *Teachers Attitudes Toward Computers (TAC) Questionnaire Ver. 1.0, 2.0, 2.1*. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Christensen, R. (1995). *Addendum for the Computer Attitude Questionnaire (Supplement to the YCCI Handbook)*. [12 pages]. Denton, TX: Texas Center for Educational Technology.

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Mortensen, M., & Knezek, G. (1995). *Distance Education Prospects within the College of Education at the University of North Texas*. [29 pages]. Denton, TX: Texas Center for Educational Technology.

Christensen, R., & Knezek, G. (1994). *Internet Quick Reference Guide*. [2 pages]. Denton, TX: Texas Center for Educational Technology.

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Jungjohan, B., & Knezek, G. (1990). *Using Computers to Enhance the Academic Retention and Achievement of Disabled Students in Texas: A TACUSPA Grant Study*. [10 pages]. Texas Association of College and University Student Personnel Administrators (TACUSPA).

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Knezek, G. A. (1984). Computer literacy in-service training model for the Hawaii Exploratory Computer Literacy Curriculum Guide. In *Computers in Instruction: Framework for Administrators*. Honolulu, HI: Department of Education.

Knezek, G., & Abel, J. (1984). *User's Manual for the Moore Business Systems Classroom Administrative System (Ver. 1.0)*. Denton, TX.

Knezek, G., & Abel, J. (1984, August). *Technical Manual for the Moore Business Systems Classroom Administrative System (Ver. 1.0)*. Denton, TX.

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- Knezek, G. A. (1978). Circular Triad Distributions with Applications to Complete Paired Comparisons Data. (Doctoral dissertation, University of Hawaii, December 1978). *University Microfilms*, 1979.
- Knezek, G. A. (1976). *Attitudinal Differences Among Ethnic Groups in Hawaii*. (Master's thesis), University of Hawaii.
- Knezek, G. A. (1974, June). *A Study of the Controversial Art of Dowsing*. (Undergraduate thesis), Dartmouth College.

Grants and Contracts

Funded External Grants and Contracts

International/National

2021-2024	simEquity: Improving Student Learning While Decreasing Bias in Teaching Through Simulations. NSF Research on Emerging Technologies for Teaching and Learning (RETTL), \$840,000	National Science Foundation	Co-Principal Investigator
2021-2022	Heliophysics Education Consortium: Through the Eyes of NASA to the Hearts and Minds of the Nation \$320,000.00	National Aeronautics Space Administration	Principal Investigator
2019-2022	STEM Pre-Academy Research & Independent Evaluation, \$90,000	Research Corp. Univ. Hawaii	Principal Investigator
2016-2021	Heliophysics Education Consortium: Through the Eyes of NASA to the Hearts and Minds of the Nation \$1,230,583.00	National Aeronautics Space Administration	Principal Investigator
2015-2018	American Innovations in an Age of Discovery: Teaching Science and Engineering through 3D-Printed Historical Reconstructions \$368,340.00	National Science Foundation	Co-Principal Investigator
2014-2018	STEM Pre-Academy Research & Independent Evaluation, Awarded \$219,600	The Research Corporation of the University of Hawaii (RCUH)	Principal Investigator
2014-2016	STEM Pre-Academy Independent Evaluation Contact, Awarded \$169,600	The Research Corporation of the University of Hawaii	Principal Investigator
2013-2019	Middle Schoolers Out to Save the World (MSOSW) Scale Up. \$2,021,412	National Science Foundation	Principal Investigator
2013-2017	Going Green! Middle Schoolers Out to Save the World (MSOSW), Awarded \$1,993,528, Innovative Technologies Scale Up Project	National Science Foundation	Principal Investigator

2012-2013	MSOSW Supplement, Awarded \$99,000	National Science Foundation	Principal Investigator
2011-2012	SimSchool, Gates/EDUCAUSE, \$250,000 award, \$35,000 subaward to UNT		Co-PI on Gates/EDUCAUSE award, Lead PI on Subaward to UNT
2010-2013	Digital Fabrication in Classrooms, NSF ITEST, \$1,200,000 award, \$289,000 subaward to UNT	National Science Foundation	Co-PI on NSF award, Lead PI on Subaward to UNT
2010-2011	Hawaii First Pre-Academy Research & Evaluation, \$56,000	Department of Education	Principal Investigator
2008-2012	Middle Schoolers Out to Save the World, (MSOSW), \$1,500,000	National Science Foundation	Principal Investigator
2007-2010	Simulated Educational Tutoring for Students with Disabilities, \$300,000	National Science Foundation	Co-Principal Investigator
2006-2009	SimMentoring: Guiding Development from Virtual to Real Teaching \$599,899	Fund for Improvement of Post-secondary Education	Co-Principal Investigator
2004-2006	Univ. of Louisiana – Monroe Evaluation of Information Technology Experiences for Teachers and Students (ITEST) \$30,000	National Science Foundation	Principal Investigator
2003-2006	University of Nevada – Reno Technology in Teacher Education \$481,692.80 UNT Share for Research/Eval	U.S. Dept. of Education	Principal Investigator
2003-2004	Refining Best Teaching Practices for Technology Integration: Evaluating the Key Instructional Design Strategies Project. \$127,660.67	U.S. Dept. of Education	Principal Investigator
2002-2003	U.S. Dept. of Ed./Allen ISD Challenge	U.S. Dept. of	Principal

	Grant Evaluation Supplemental Award \$97,987.99	Education	Investigator
2001-2002	U.S. Dept. of Ed./KIDS Challenge Grant Supplemental Award \$210,020	U.S. Dept. of Education	Principal Investigator
2000-2001	ACM/IEEE IFIP International Travel Award \$1,000	National Science Foundation	Principal Investigator
2001-2002	PT3 Project Dissemination Award \$21,000	U.S. Dept. of Education	Principal Investigator
2001-2003	Intel Preservice Teach to the Future \$10,000	Intel Corp.	Co-Principal Investigator
2000-2001	U.S. Dept. of Ed./KIDS Challenge Grant Evaluator Supplemental Award \$37,034		Principal Investigator
2000-2003	Millennium II: Preparing Tomorrow's Teachers to Bridge the Digital Divide \$779,500	U.S. Dept. of Education	Principal Investigator
1999-2000	The Millennium Project: Pathways for Preparing Tomorrow's Teachers to Infuse Technology into Teaching and Learning. \$163,000	U.S. Dept. of Education	Principal Investigator
1999-2004	Refining Best Teaching Practices for Technology Integration: Evaluating the Key Instructional Design Strategies Project. \$589,034	Allen ISD U.S. Dept. of Education Challenge Grant	Principal Investigator
1997-1998	Topocam Summer Camp \$20,000	Dallas Women's Foundation	Principal Investigator
1996-1997	Student Paper Awards for Digital Comm. Conference \$1,000	ARRL	Principal Investigator
1994	The Psychological Effects of Computers on Children \$45,000	Fulbright	Principal Investigator

1993	Psychological Effects of Computing \$40,000	Fulbright	Principal Investigator
1991	Japan-U.S. Childhood Informatics \$1,500	Meadows	Principal Investigator
1990	GeoInformatics \$6,500	EDS/Sanger	Principal Investigator
1990	Satellite Distance Ed. \$10,000	TI-IN	Principal Investigator
1990	Texas Center for Educational Technology \$800,000	TEA	Co-Principal Investigator
1989	Travel to World Conference on Computers in Education (Australia) \$1,500	AFIPS/ASF	Principal Investigator
1989	IVD Translation to Japanese \$3,000	BERMAC	Principal Investigator
1989	Satellite Packet Radio \$3,000	PEACESAT	Principal Investigator
1989	Computers in Education: Japan vs. The United States \$1,500	Meadows	Principal Investigator
1988	A HyperCard Information System for the National Educational Computing Conference \$30,000	Apple	Co-Principal Investigator
1988	A Fault-Tolerant Network for Computer Laboratory Instruction \$4,500	Novell	Co-Principal Investigator
1987	New Generation Micros for Computer Science Instruction \$25,000	TI	Co-Principal Investigator
1986	A 3B-2 Network for Research and Instruction in Computer Science \$183,000	AT&T	Principal Investigator
1985	Advanced Data System for Mammalian Nerve Cell Networks \$550,000	TAT	Co-Principal Investigator

1985	Unix Office Tools, PC Network Performance Reviews \$50,000	NBI	Co-Principal Investigator
1983	Educational Software Review and Network Development \$110,000	Moore Business Systems	Co-Principal Investigator
1980	A Computer-Based MIS for the St. Louis- Charminade Educational Community \$160,000	ESAA	Co-Principal Investigator
<u>State</u>			
2002	Professional Development in Technology Integration for all district faculty \$5,000	Sanger Independent School District	Co-Principal Investigator
2002-2004	Maine Laptop Initiative – Evaluation of Middle School Professional Development \$10,000	University of Maine – Farmington	Co-Principal Investigator
2001	Ed-Tech PILOT Program Evaluation \$10,000	Texas Education Agency	Co-Principal Investigator

Funded Internal Grants

2007	Ecuador & UNT: A Collaborative for Quality Online Learning	UNT Global/ Hispanic	Investigator
2007	UNT/COE simMentoring impact \$5,000	UNT	Principal Investigator
2006	UNT/COE simSchool impact \$5,000	UNT	Principal Investigator
2005	UNT Blended Learning Project \$5,000	UNT	Co-Principal Investigator
2003	Teaching With Technology \$8,000	UNT	Co-Principal Investigator
2001	Impact of Created Reality Environments on Distance Learning \$7,000	TX Center for Digital Knowledge	Co-Principal Investigator

2001	Enterprise Networks in Former Soviet Satellite States (Viktoriya Kravchyna). \$5,000	SLIS/UNT	Co-Principal Investigator
2000	Provost's Research Award The Impact of Information Technology on Achievement \$16,500	UNT	Principal Investigator
1997	Development and distribution of Web-based supplementary course materials \$10,850	UNT	Principal Investigator
1996	Developing Scholars Award \$5,000	UNT	Principal Investigator
1995	Teachers' Attitude Toward IT \$10,000	Mathews Chair	Principal Investigator
1987	A Wireless Computer Network \$2,700	NTSU	Principal Investigator
1984	A Graphics Terminal Emulator for the TIPC \$12,000	NTSU	Co-Principal Investigator

Presentations (Proceedings papers were also presented but listings are not repeated here)

Presentations (Refereed)

International/National

Das, A., Trevisan, O., Knezek, G. & Christensen, R. (2022). Changes in Knowledge Structures Among Middle School Students Participating in Technology Infused Space Science Engagement Activities. In T. Bastiaens (Ed.), *Proceedings of EdMedia + Innovate Learning* (pp. 731-736). New York City, NY, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/221364/>.

Knezek, G. & Christensen, R. (2022). Welcome to Mars mission control. Poster presentation to the Hawaii International Conference on Education, January 2022.

Knezek, G., Christensen, R., & Smits, A. (2022). "Cross-validating four measures of technology integration: Stages of Adoption, CBAM LoU, ACOT, and TPACK core" [Conference presentation]. Paper presented to the World Conference on Computers in Education (WCCE), Hiroshima, Japan.

Trevisan, O., De Rossi, M., Knezek, G., Christensen, R., Smits, A. (2021, September 16-18). *Covid-19 Pandemic and distance education: Perceptions of higher education for technology uses* [Conference presentation]. VIII National Congress Collaborative Knowledge Building Group (CKBG). University of Rome, Italy.

Christensen, R., & Knezek, G. A. (Invited). "Innovative learning with technologies:

Implementing curricula and measuring impact on students.” Windesheim University, Zwolle, the Netherlands. (May 23, 2018).

Knezek, G., & Christensen, R. (2018). “NASA avenues for promoting interest in space science among middle school students.” Poster presented to the American Geophysicists Union (AGU) Annual Conference, Washington, DC.

Ng, C., Cline, T., Knezek, R., Christensen, R., Garrison, L., Maryboy, N., Begay, D. (2018). “Empowering diverse minors to learn science with NASA’s STEM Innovation Lab.”

Knezek, G. & Christensen, R. (2018). “NASA Education: Middle school initiatives for earth rise and touch the sun.” Presentation to the School Science and Mathematics Association Convention, Little Rock AR.

Christensen, R., Knezek, G., & Tyler-Wood, T. “Dispositions of teachers in STEM enrichment programs. Hilton Hawaiian Village Waikiki Beach Resort, Honolulu, HI. 7 January 2015.

Knezek, G., Christensen, R., & Tyler-Wood, T. “Gains in environmental science and vampire power knowledge among middle school students participating in STEM project activities.” Hilton Hawaiian Village Waikiki Beach Resort, Honolulu, HI. 7 January 2015.

Christensen, R., & Knezek, G., ed. “The Technology Proficiency Self-Assessment Questionnaire (TPSA): Evolution of a self-efficacy measure for technology integration.” KEYCIT-Key Competencies in Informatics and ICT July 1-4, 2014 Potsdam, Germany. Ed. Brinda, T., Reynolds, N., & Romeike, R. Potsdam: University of Potsdam, Germany.

Christensen, R., Knezek, G., & Tyler-Wood, T. (2014). Impact of science and technology professional development programs on integration levels and STEM dispositions of middle school teachers. Accepted for presentation at the Hawaii International Conference on Education, Honolulu, HI, January 2014.

Khaddage, F., & Knezek, G. (2014). A comparison of mobile learning attitudes among university students in four nations.” ICALT. Athens, Greece. 2014

Knezek, G., Christensen, R., Tyler-Wood, T. (2014). Going Green! Middle schoolers out to save the world (MSOSW). Atlanta, GA. ISTE. June 28-July 1, 2014. Listen and Learn snapshot discussion.

Knezek, G., Christensen, R., Tyler-Wood, T. (2014). STEM Dispositions of Hawaii Middle School Students and Teachers: Implications for Accommodating Cultural Diversity, March 17-21, 2014. Jacksonville, FL. SITE.

Christensen, R., & Knezek, G. (2013). Contrasts in Student Perceptions of STEM Content and Careers. Brief paper presentation at the SITE conference in New Orleans, LA, March 25-29, 2013.

Christensen, R., Knezek, G., Tyler-Wood, T., & Gibson, D. (2013). Persistence of cognitive constructs fostered by hands-on science activities in middle school students. Presentation to Cognition and Exploratory Learning in Digital Age Conference, Ft. Worth, Texas, October, 2013.

Evans, M., Hopper, S., Jones, G., & Knezek, G. (2013). Gender as a Predictive Factor for Tasks

- Completed Using Smartphones. iConference 2013. Fort Worth, TX Feb. 12-15, 2013.
- Gibson, D., Christensen, R., Knezek, G., Kruse, S., & Tyler-Wood, T. (2012). Can you learn to teach from a game? Poster presentation to the International Society for Technology in Education, San Diego, CA.
- Gibson, D., Kruse, S., Knezek, G., Tyler-Wood, T., Christensen, R., & Hopper, S. (2013). simSchool's Progress: The SITE simSchool Modules Project. Paper presentation at the SITE conference, New Orleans, LA, March 25-29, 2013.
- Khaddage, F., Knezek, G., & Rosen, D. (2013). The Teacher Education Evolution: The Shift from Online to Mobile Learning in Curriculum, Assessment and Delivery. Paper presented at the SITE conference, New Orleans, LA, March 25-29, 2013.
- Miller, J., & Knezek, G. (2013). STEAM for Student Engagement. Roundtable discussion at the SITE conference, New Orleans, LA, March 25-29, 2013.
- Mills, L., Knezek, G., Tyler-Wood, T., Christensen, R., & Dunn-Rankin, P. (2013). Exploring the Relationship between Middle School Student Technology Affinity and Attitudes Toward School. Roundtable discussion at the SITE conference, New Orleans, LA, March 25-29, 2013.
- Mills, A., Knezek, G., & Wakefield, J. (2013). Learning with Social Media: Measurement tools for Understanding Information Behavior in Technology Pervasive Environments of the 21st Century. Panel presentation at the iConference, Fort Worth, TX, Feb. 12-15, 2013.
- Gibson, D., Osterweil, S., Zintgraff, C., Fisser, P., Knezek, G., Tyler-Wood, T., & Christensen, C. (2012). Next Generation Learning Challenges: Educause Winners Panel, Society for Information Technology & Teacher Education International Conference 2012, Austin, TX.
- Gutierrez de Pineres, S. A., & Knezek, G., & Wakefield, J. (2012). Design and development of an academic transition seminar for first year university students. Paper presented to the Association for Educational Communications and Technology Annual Conference. Louisville, KY. October 30-November 3, 2012.
- Knezek, G., Christensen, R., Tyler-Wood, T. (2012). Contrasts in Student and Teacher Perceptions of STEM Content and Careers Paper presented to the Hawaii International Conference on Education, Honolulu, January 8, 2012.
- Knezek, G., Christensen, R. & Tyler-Wood, T. (2012). Learning and Instruction Symposium: Middle Schoolers Out to Save the World. Presentation at the American Educational Research Association Conference 2012, Vancouver, Canada.
- Knezek, G., Christensen, R., Tyler-Wood, T., Gibson, D., Hopper, S., Periatiruvadi, S., Alexander, C. (2012). Research Outcomes from Simulated Classrooms. Presentation to the EDUCAUSE Learning Initiative Conference, Austin, Texas, February 2012.
- Knezek, G., Christensen, R., Tyler-Wood, T., Periathiruvadi, S., Alexander, R., Owens, C., Magoun, D., & Mayes, G. (2012). Measurement of STEM Dispositions in Elementary School Students, Society for Information Technology and Teacher Education International Conference 2012. Austin, TX.

- Knezek, G. & Khaddage, F. (2012). Learning Technologies Affecting Classroom Education Today: Mobile Learning Attitude Measures. Presentation to the International Society for Technology in Education Annual Conference, San Diego, California, June 26, 2012.
- Knezek, G., Mills, L., & Wakefield, J. (2012). Measuring student attitudes toward learning with social media: Validation of the social media learning scale. Presentation to the Association for Educational Communications and Technology Annual Conference. Louisville, KY. October 30-November 3, 2012.
- Mills, L. A., Knezek, G. and Khaddage, F. (2012). Aligning Learner Preferences for Information Seeking, Information Sharing, and Mobile Technologies. Paper presented to the International Conference on Cognition and Exploratory Learning in the Digital Age, Madrid, Spain, Oct. 20, 2012.
- Periathiruvadi, S., Knezek, G., Tyler-Wood, T., & Christensen, R. (2012). Predictors of STEM Attitudes Career Interest Among Attitudes and Dispositions of Middle School Students. Presentation at the American Educational Research Association Conference 2012, Vancouver, Canada.
- Periathiruvadi, S., Tyler-Wood, T., Knezek, G., & Christensen, R. (2012). Simulating Students with Learning Disabilities in Virtual Classrooms: A Validation Study, Society for Information Technology & Teacher Education International Conference 2012, Austin, TX.
- Tyler-Wood, T., Alexander, C., Periathiruvadi, S., Knezek, G., Christensen, C., & Arrowood, D. (2012). Middle School Water Conservation Unit: Increasing Middle Schoolers Interest in Pursuing a Career in Environmental Engineering. Society for Information Technology & Teacher Education International Conference 2012. Austin, TX.
- Tyler-Wood, T., Periathiruvadi, S., Knezek, G., Mills, L. (2012). Simulating Students with Hearing differences in Virtual Classrooms: The Use of Simulations for Training Teachers to Work with Students With Special Needs. Presentation at the American Educational Research Association Conference 2012. Vancouver, Canada.
- Christensen, R., Knezek, G., & Tyler-Wood, T. (2011, March). STEM Interests for Middle Schoolers Out to Save the World (MSOSW). Society for Information Technology & Teacher Education International Conference 2011, Nashville, TN.
- Christensen, R., Tyler-Wood, T., Knezek, G., Simon, J., Acanfora, E., Anderson, C. & Tomita, M. (2011). Vampire Power and STEM Interests for Middle Schoolers Out to Save the World (MSOSW). Symposium presentation to the Society for Information Technology & Teacher Education Annual Conference, Nashville, TN. March 10, 2011.
- Ellison, A., Tyler-Wood, T., Barrio, B., Periathiruvadi, S., Lim, O., Knezek, G., & Peak, P. (2011, March). Evaluating the Effectiveness of a Computerized Classroom Simulation to Improve Pre-Service Teacher Understanding of Gifted Students. Society for Information Technology & Teacher Education International Conference 2011, Nashville, TN.
- Gibson, D., Knezek, G., Mergendoller, J., Garcia, P., Redmond, P., Garcia, T., Spector, J. M., & Tillman, D. (2011). Performance assessment of 21st century teaching and learning: Insights into the future. Panel presentation to the Society for Information Technology and Teacher Education International Conference, Nashville, TN, March 9, 2011.

- Knezek, G., Christensen, R., Tyler-Wood, T., Southworth, J., & Tomita, M. (2011). Contrasts in Student Subpopulation Perceptions of STEM Content and Careers. Presentation to the Hawaii International Conference on Education, Honolulu, January 5, 2011.
- Knezek, G., Voogt, J., Knezek, D., Southworth, J., Christensen, R., Tyler-Wood, T. (2011). Preparing Teachers for the Science and Technology Ecology of the 21st Century. Panel presented to the Hawaii International Conference on Education, Honolulu, January 6, 2011.
- Lim, O., Tyler-Wood, T., Ellison, A., Periathiruvadi, S., Christensen, R., & Knezek, G. (2011, March). The Long-term Impact of the BUGS Program for Increasing Girls' Interest in Science. Society for Information Technology & Teacher Education International Conference 2011, Nashville, TN.
- Mills, L., Tyler-Wood, T., & Knezek, G. (2011, March). Understanding student attitudes towards school: a literature review. Society for Information Technology & Teacher Education International Conference 2011, Nashville, TN.
- Knezek, G., Christensen, R., & Tyler-Wood, T.L. (2010). Middle Schoolers Out to Save the World (MSOSW): Year Two Findings, National Science Foundation Joint Annual Meeting 2010, Washington, D.C.
- Knezek, G., Christensen, R., Ellison, A., Lim, O., & Tyler-Wood, T.L. (2010, June). Using Technology to Monitor Standby Power: First-Year Findings, Presentation to the International Society for Technology and Education, Denver, CO.
- Tyler-Wood, T.L., Ellison, A., Knezek, G., Christensen, R. (2010). Using a Computerized Classroom Simulator to Train Special Educators, Presented to the Council for Exceptional Children, Nashville, TN.
- Tyler-Wood, T.L., Knezek, G., & Christensen, R., (2010). Simulation Enhanced Training for Science Teachers in Inclusion Classrooms, National Science Foundation Joint Annual Meeting 2010, Washington, DC.
- Tyler-Wood, T.L., Knezek, G., Peak, P., Christensen, R., Lim, O., Ellison, A.M., Khoury, C., & Barrio, B. (2010, October). Effective Content Area Instruction (Science and Social Studies), Presentation to the Council for Learning Disabilities, Myrtle Beach, SC.
- Christensen, R., Knezek, G., Tyler-Wood, T.L., & McPherson, R. (2009, July). Guided Scenarios for Simulating Teaching of Science, Presentation to the National Educational Computing Conference, Washington, DC.
- Hettler, L., Christensen, R., King, K., McPherson, R., Knezek, G., Swain, C., Wickstrom, C., Tyler-Wood, T., Gibson, D., (2008). SimMentoring: Using Simulation to Engage Preservice Teachers in Applying Theory. Presentation to the National Education Computing Conference, San Antonio, TX.
- Knezek, G., Tyler-Wood, T. & Christensen, R. (2009). Internal Consistency Reliabilities for Preservice Educator Learning Styles Assessed through the Style Analysis Survey. Paper presented to the 31st Annual Hawaii Annual Research Association Conference, Honolulu, HI, Feb. 7, 2009.
- Knezek, G. Christensen, R., Wickstrom, C. & Hettler, L. (2008). Validating Measurement Scales for

- Simulations of Teaching and Learning. Paper presented to the American Educational Research Association Annual Conference, New York, NY, March 27, 2008.
- Tyler-Wood, T., Knezek, G. & Christensen, R. (2008). Relationship of Learning Style to Final Grade in Asynchronous Online Courses. Paper presented to the American Educational Research Association Annual Conference, New York, NY, March 23, 2008.
- Knezek, G., Christensen, R. & Tyler-Wood, T. (2008). Assessing Learning in a Simulated Teaching Environment. Paper presented to the 30th Annual Hawaii Annual Research Association Conference, Honolulu, HI, Jan. 26, 2008.
- Morales, C & Knezek, G. (2007). Testing a Predictive Model of Technology Integration in Mexico and the United States. Paper presented to the American Educational Research Association Annual Conference, Chicago, IL, April, 2007.
- Gibson, D, Baek, Y., Knezek, G. & Christensen, R. (2007). Cognitive and conceptual assessment frameworks for simulating teaching and learning. Paper presented to the American Educational Research Association Annual Conference, Chicago, IL, April, 2007.
- Knezek, G., Christensen, R., Tyler-Wood, T., & Wickstrom, C. (2007). SimMentoring: Guiding Development from Virtual to Real Teaching. Poster presentation to the National Educational Computer Conference (NECC), Atlanta, Georgia, June 25, 2007.
- Laferriere, T., Resta, P., Davis, N., McLaughlin, R., Orey, M., Shakwa, G., Malone, T., Wilder, H., Gibson, I., Beisser, S., FitzGibbon, A., Brennan Freeman, E., Castro-Filho, J., Voogt, J., Knezek, G. & Hargrave, C. (2007). Digital Divide and International Research and Development in Information Technology and Teacher Education. Panel presentation to the Society for Information Technology and Teacher Education International Conference, San Antonio, TX.
- Voogt, J., Knezek, G., Lai, K., Christensen, R. & Law, N. (2006). Information Technology in Education Worldwide, Symposium presentation to the Society for Information Technology and Teacher Education International Conference, Orlando, FL.
- Heineke, W., Knezek, G., Thompson, A., & Schrum, L. (2005). Content Sensitive Approaches to Evaluating One-to-Many Computing. Panel presentation to the American Educational Research Assoc. Conference, Montreal, Canada, April 2005.
- Muir, M., Knezek, G., & Christensen, R. (2005). An Exploratory Study of the Impact of Ubiquitous Technology on Student Attitudes, Technology Skills, and Achievement. Paper presentation to the American Educational Research Assoc. Conference, Montreal, Canada, April 2005.
- Knezek, G., (2005, April). *One-to-many computing: Evaluation models*. American Educational Research Association (AERA) April 11-15, 2005, Montreal, Canada.
- Knezek, G., (2005, April). *Strategies and technologies for changing teaching, learning and attitudes*. American Educational Research Association (AERA). April 11-15, 2005, Montreal, Canada.
- Knezek, G., (2005, April). *Scaling three versions of the Stanford-Binet Intelligence Test*. American Educational Research Association (AERA). April 11-15, 2005, Montreal, CA.
- Tyler-Wood, T., & Knezek, G. (2005, Mar.). A scaling analysis of three versions of the Stanford-Binet. March 19, 2005, University of Hawaii at Manoa.

- Tyler-Wood, T., Knezek, G., & Christensen, R. (2005, Jan.). *Bringing up girls in science*. Hawaii International Conference on Education January 4-8, 2005, Honolulu, HA.
- Tyler-Wood, T., Knezek, G., Christensen, R., & Morales, C. (2005, Jan.). *A comparison of three versions of the Stanford-Binet Intelligence Test: Are we shortchanging the gifted?* 2005 Hawaii International Conference on Education. January 4-8, 2005, Honolulu, HA.
- Christensen, R., & Knezek, G. (2003, June/July). *Girls and computers: Who says boys enjoy them more?* June 29-July 2, 2003, National Educational Computing Conference, Seattle, WA.
- Knezek, G., Christensen, R., & Roblyer, M. D. (2003, June/July). *National educational technology plan research agenda*. June 29-July 2, 2003, National Educational Computing Conference, Seattle, WA.
- Fluke, R., Knezek, G., & Christensen, R. (2003, April). *Ten years of student attitudes toward computers and education*. American Educational Research Association (AERA), April 21-25, 2003, Chicago, IL.
- Knezek, G.A., Christensen, R.W., & Fluke, R. (2003, April). *Testing a Will, Skill, Tool Model of technology integration*. April 21-25, 2003. American Educational Research Association (AERA), April 21-25, 2003, Chicago, IL.
- Knezek, G., & Christensen, R. (2002, June). *Intra-project data sharing and feedback based on common assessment elements*. June 18, 2002, National Education Computing Conference, San Antonio, TX.
- Knezek, G., Tyler-Wood, T.L., Arrowood, D., Christensen R., Hancock, R., Maldonado, M., Overall, T., & Mooneyham, C. (2002, June). *The Millennium II Project: Using Technology Fellows to Integrate Technology into Teacher Education*, June 18, 2002, National Education Computing Conference, San Antonio, TX.
- Knezek, G., (2001, July). *Contributions of new information technologies and student achievement: selected findings from five years of studies in the USA*. Presentation to the 26th World Conference on Computers in Education, Copenhagen, Denmark.
- Christensen, R., Knezek, G., et al. (2001, July). *Global classrooms in review: a tenth anniversary reflection on the air/water projects*. Presentation to the 26th World Conference on Computers in Education, Copenhagen, Denmark
- Morales, C., Knezek, G., Christensen, R., Alamhaboub, S., Moonen, B., Voogt, J., Owens, C., Magoun, D. (2001, July). *Impact of new information technology on education: Project PLANIT*. Panel presentation to the 26th World Conference on Computers in Education, Copenhagen, Denmark
- Christensen, R., & Knezek, G. (2000, June). *Global classrooms – Perspectives from the USA*. Invited presentation to the Open-IT project staff, Hobart, Tasmania.
- Knezek, G., & Christensen, R. (2000, June). *Measures of technology integration in the USA*. Invited presentation to the Technology Integration into Learning and Teaching (TILT) Training Symposium, Sydney, Australia.
- Christensen, R., & Knezek, G. (1998, October). *WWW and multimedia support for technology*

applications curricula in Texas. Presentation to the Seventh International Conference on Telecommunications and Multimedia in Education. New Orleans, LA.

Christensen, R., Knezek, G., & Smolka, J. (1998, October). *Water: Flowing into all disciplines*. Presentation to the Seventh International Conference on Telecommunications and Multimedia in Education. New Orleans, LA.

Christensen, R., Knezek, G., & Campbell, N. (1996, January). *Global Classrooms: The Air and Water Projects*. Keynote videoconference presentation to the New Zealand Computers in Education Society (NZCES) Sixth Biennial Conference, Hamilton, New Zealand.

Christensen, R., Campbell, N., & Knezek, G. (1993, October). *Thematic Curriculum Units for Global Interaction in Elementary Classrooms: The Water/Air Project*. Featured presentation at the 3rd International Telecommunications Conference, Dallas, TX.

Christensen, R., Knezek, G., Campbell, N., & Moore, D. (1993, June). *Global Classrooms: The Air Project*. Poster Session Presentation to the National Educational Computing Conference, Orlando, FL.

Gelphman, J., Horn, C., & Knezek, G. (1993, June). *Views of the Topocam*. Poster Session Presentation at the National Educational Computing Conference, Orlando, FL.

Loipha, S., & Knezek, G. (1992, October). *Teachers' Perceptions of Computer Use in Elementary and Secondary Classrooms in Thailand (With Comparisons to the USA and Japan)*. Paper presented at the International Conference on Preparing Teachers for All the World's Children, Bangkok: Chulalongkorn University.

Papa, F., Young, J., & Knezek, G. (1991, June). *Knowledge-Based Inference Tool for Enhancing Clinical Diagnostic Skills*. Presentation to the National Educational Computing Conference, Phoenix, AZ.

Regional

Knezek, G., Christensen, R., & Zoeller, M. (2000, December). *KIDS Challenge Grant: A formative and meta-analysis evaluation in action*. Presentation to Texas Center for Educational Technology's 7th Annual Symposium. San Antonio, TX.

Knezek, G., Lai, M., & Southworth, J. (1994, January). *Psychological Dispositions of Children Residing in Hawaii in the Context of a Multinational Study on Computing*. Paper presented by Lai and Southworth at the Hawaii Educational Research Association, Honolulu, HI.

Lucas, L., & Knezek, G. (1992, May). *Packet Radio Prospects for Educational Telecommunications*. Presentation to the Texas Computer Education Association Region VI Technology Conference, College Station, TX.

State

Knezek, G. (2001, February). *Experiences with online data acquisition*. Presented to the Texas Computer Education Association. Austin, TX.

Christensen, R., Knezek, G., & Hamala, D. (1997, February). *New resources for global classrooms*.

Presentation to the Seventh Annual Texas Computer Association Education State Conference, Austin, TX.

Knezek, G., & Christensen, R. (1997, February). *Instruments for assessing attitudes toward information technology*. Presentation to the Seventh Annual Texas Computer Association Education State Conference, Austin, TX.

Knezek, G. (1996, February). *Assessing Attitudes Toward Information Technology*.
Presentation to the Texas Computer Education Association 16th Annual Conference, Austin, TX.

Knezek, G. (1996). Publications and activities of the International Society for Technology in Education. *Presentation to the Fifth International Conference for Telecommunications in Education*. Monterrey, Mexico: International Society for Technology in Education.

Knezek, G. (1995, February). *Measuring Student Attitudes Toward Computer Use*.
Presentation to the 15th Annual Texas Computer Education Association Conference, Austin, TX.

Knezek, G., & Christensen, R. (1995, February). *Trends in Texas School Children's Attitudes Toward Computers*. Presentation to the 15th Annual Texas Computer Education Association Conference, Austin, TX.

Jones, G., & Knezek, G. (1991, June). *Teaching Telecommunications: Options for Texas Educators*.
Presentation to the 11th Annual Texas Computer Education Association Convention, Corpus Christi, TX.

Knezek, G., & Miyashita, K. (1991, June). *Young Children's Responses to Information Technology*.
Spotlight presentation to the 11th Annual Texas Computer Education Association Convention, Corpus Christi, TX.

Local

Knezek, G. (2001, March). *Developing a will, skill and tool model of technology integration*.
Presented to College of Education First Annual Educational Research Exchange. University of North Texas, Denton, TX.

Knezek, G., & Christensen, R. (1997, July). *Curricular components for global classrooms*.
Paper presented at the Summer Connections Conference, Austin, TX.

Knezek, G., Christensen, R., Mortensen, M., & Jones, G. (1997, May). *Planning the instructional component for global classrooms*. Presentation to the 21st Century Teaching and Learning Symposium, Dallas, TX.

Knezek, G. A. (1997, May). *Curriculum Integration Workshop*. [full day]. The 21st Century Teaching and Learning Symposium, Dallas, TX.

Knezek, G., Christensen, R., & Rice, D. (1996, June). *Assessing Student and Teacher Attitudes Toward Information Technology*. Presentation to the 21st Century Teaching and Learning Conference, Dallas, TX.

Knezek, G., Mortensen, M., Christensen, R., & Hamala, D. (1996, June). *Telecommunications Tools*. Presentation to the 21st Century Teaching and Learning Conference, Dallas, TX.

- Sakamoto, A., & Knezek, G. (1995, June). *Measuring Student Attitudes Toward Computer Use*. Presentation to the Technology in Teacher Education Conference, Dallas, TX.
- Young, J., Knezek, G., & Mortensen, M. (1995, June). *New Initiatives for Distance Education at the University of North Texas*. Presentation to the Technology in Teacher Education Conference, Dallas, TX.
- Knezek, G., & Miyashita, K. (1994, April). *Assessing Technology-Related Attitudes of Middle School Students: A Preliminary Study of the Computer Attitude Questionnaire*. Presentation to the Technology in Teacher Education Conference, Dallas, TX.
- Christensen, R., & Knezek, G. (1994, April). *Internet Resources for Educators: Locating the Tip of the Iceberg*. Paper presented at the Technology in Teacher Education Conference, Dallas, TX.
- Knezek, G., Miyashita, K., & Sakamoto, T. (1994, April). *Attitudes Toward Computers with Implications for Cross-Cultural Similarities in Teacher Education. (1993 Young Children's Computer Inventory: Results)*. Presentation to the Technology in Teacher Education Conference, Dallas, TX.
- Knezek, G., & Miyashita, K. (1991, October). *Teaching Japanese to Americans: Having a Remote Site Facilitator with Subject of Matter Expertise*. Presentation to the 40th Annual Conference of the Texas Association for Educational Technology, Plano, TX.
- Jungjohan, B., & Knezek, G. (1991, June). *Computer Access for Disabled Students in Texas Higher Education Institutions*. Paper presented at the 11th Annual Texas Computer Education Association Convention, Corpus Christi, TX.
- Miyashita, K., & Knezek, G. (1991, June). *A Young Children's Computer Inventory New Instrument for Assessing First Graders' Attitudes Toward Computers*. Presentation to the 11th Annual Texas Computer Education Association Convention, Corpus Christi, TX.
- Knezek, G. (1991, May). *Influence of Computers on Student Attitudes*. Presentation to the Fourth Annual Integrated Learning Systems Research, Evaluation, and Implementation Conference, Baylor University, Waco, TX.
- Miyashita, K., & Knezek, G. A. (1991, May). *The Young Children's Computer Inventory: A Likert Scale for Assessing Attitudes Toward Computers in Instruction*. Paper presented to the 4th International Conference on Children in the Information Age, Albena, Bulgaria.
- Knezek, G., & Jones, J. (1990, November). *Packet Radio and Satellite Technologies*. Presentation via television broadcast/speaker phone to the 25th World Conference of the International Council for Distance Education, Caracas, Venezuela.
- Knezek, G. (1990, July). *New Tool or New Toy: An Analysis of Instructional Microcomputers in the K-1 Home Environment*. Presentation to the 22nd World Congress of the International Association for Applied Psychology, Kyoto, Japan.
- Knezek, G. A., & Saengrussamee, D. (1988, April). *Network Benchmarks for Instructional Computing Environments*. Paper presented to the International Association for Computing in Education Annual Conference, New Orleans, LA.
- Knezek, G. A. (1985, February). *Developing a Speech Synthesis System for a Speech- Impaired Individual*. Paper presented to the Conference: Independent Living Through Computer

Technology for Persons with Developmental Disabilities, Austin, TX.

Southworth, J. H., Flanigan, J. M., & Knezek, G. A. (1981, January). *Computers in Education: International Multi-Mode Node Electronic Conferencing*. Paper presented at the Pacific Telecommunications Conference, Honolulu, HI.

Knezek, G. A. (1979, November). *EDUNET Computing at Chaminade University of Honolulu*. Paper presented at the EDUNET Liaison's Meeting of the EDUCOM Fall Conference, San Diego, CA.

Dunn-Rankin, P., Knezek, G. A., & Abalos, J. F. (1978, May). *Circular Triads Revisited*. Paper presented at the Hawaii Psychological Association Conference, Honolulu, HI.

Giuli, C. A., Knezek, G. A., & Ayabe, H. I. (1978, May). *Computing Reliability of the EPPS* Conference, Honolulu, HI.

Knezek, G. A. (1976, May). *Ethnic Differences in Motivational Systems*. Paper presented to the Hawaii Psychological Association, Honolulu, HI.

Presentations (Invited)

International/National

Christensen, R., & Knezek, G. (2023, June 25), International Society for Technology in Education, "Using simulation experiences to address bias in teaching practices," ISTE, Philadelphia, PA, United States of America.

Christensen, R., & Knezek, G. (2023, April 14), American Educational Research Association Annual Meeting, "Measuring equitable teaching practices in a simulated teaching environment.," American Educational Research Association, Chicago, IL, United States of America.

Christensen, R., & Knezek, G. (2023, April 14), American Educational Research Association Annual Meeting, "Student Perceptions of Culturally Responsive Practices in the Context of Teacher simEquity Professional Development," American Educational Research Association, Chicago, IL, United States of America.

Knezek, G. (2022, December 16). *Methods and measures for STEM/STEAM education: Lessons learned and future prospects* [Invited keynote speaker]. Educational Innovation through Technology, New York, NY.

Christensen, R., & Knezek, G. A. (2018, December), *The relationship of mathematics enjoyment and confidence to interest in a STEM career. The importance of the "M" in STEM*, School Science and Mathematics Association, Little Rock, Arkansas, United States of America.

Christensen, R. (Author & Presenter), Knezek, G. A. (Author & Presenter), Invited, "Innovative learning with technologies: Implementing curricula and measuring impact on students," Invited Talk, Windesheim University, Zwolle, the Netherlands, Netherlands.

Christensen, R. (Author & Presenter), Knezek, G. A. (Author & Presenter), Peer- reviewed/Refereed, Accepted, Hawaii International Conference on Education (HICE), "Comparing climate change attitudes among four different educational groups," Poster, co-sponsored, Honolulu, Hawaii, United States of America.

- Christensen, R. (Author & Presenter), Knezek, G. A. (Author & Presenter), Peer-reviewed/Refereed, Accepted, Hawaii International Conference on Education (HICE), "Relationship among student classroom use of technology for learning and teacher home use of technology, teacher level of technology integration and number of years of participation in a STEM program.," Paper, co-sponsored, Honolulu, Hawaii, United States of America.
- Christensen, R. (Author), Knezek, G. A. (Author & Presenter), Peer-reviewed/Refereed, Accepted, International Conference on Cognition and Exploratory Learning in the Digital Age, "Contrasts in openness toward mobile learning in the classroom: A study of elementary, middle and high school teachers," Paper, Vilamoura, Algarve, Portugal, Portugal.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), Invited, International Society for Technology in Education (ISTE) Conference, "Journal of Digital Learning in Teacher Education Outstanding Research Article Presentation for Validating the Technology Proficiency Self-Assessment Questionnaire for 21st Century Learning (TPSA C-21)," Paper, International Society for Technology in Education (ISTE), United States of America.
- Tyler-Wood, T. L. (Author & Presenter), Cockerham, D. (Author & Presenter), Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), Invited, National Science Foundation Annual ITEST Meeting, "How to Determine Good Instrumentation," Invited Talk, National Science Foundation, Washington DC, United States of America.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), American Geophysical Union (AGU), "Empowering Diverse Minors to Learn Science with NASA's STEM Innovation Lab," Oral Presentation, Washington D.C., United States of America. 2018.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), American Geophysical Union (AGU), "NASA Avenues for Promoting Interest in Space Science Among Middle School Students," Poster, Washington D.C., United States of America. 2018.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), Peer-reviewed/Refereed, "Addressing NASA Education Priorities for 2018: Middle School Initiatives for Earth Rise and Touch the Sun," Oral Presentation, School Science and Mathematics Association (SSMA), Little Rock, Arkansas, United States of America. 2018.
- Knezek, G. A. (Presenter), Hawaii International Conference on Education (HICE), "Innovative Technologies for Motivating Interest in Space Science," Poster, Honolulu, Hawaii, United States of America. 2017.
- Knezek, G. A. (Author & Presenter), Proceedings of Society for Information Technology & Teacher Education International Conference, "Perceptions of early, mid or late career teachers regarding technology integration, technology proficiency and access to tools and resources.," Paper, Chesapeake, VA, United States of America. 2017.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author), Tyler-Wood, T. L. (Author), American Educational Research Association, "Replication of Impact of Energy Monitoring Activities on Middle School STEM Dispositions," Paper, AERA, Washington, D.C., United States of America. 2016.
- Knezek, G. A. (Author & Presenter), Christensen, R. (Author & Presenter), Cognition and Exploratory Learning in the Digital Age, "The will, skill, tool model of technology integration: Adding

- pedagogy as a new model construct," Paper, IADIS, Maynooth, Ireland, Ireland. 2016.
- Christensen, R. (Author & Presenter), Knezek, G. A. (Author & Presenter), International Conference on Advanced Learning Technologies (ICALT), "Effect of Energy Monitoring Activities on Climate Change Beliefs and Intentions: Replication of Findings at Multiple Project Locations," Paper, IEEE, Austin, TX, United States of America. 2016.
- Knezek, G. A. (Author), Christensen, R. (Author), Society for Information Technology and Teacher Education (SITE), "Blending Formal and Informal Learning through an Online Immersive Game Environment," Paper, AACE, Savannah, GA, United States of America. 2016.
- Khaddage, F., Knezek, G., & Baker, R. (2012). Formal and Informal Learning *Bridging the Gap via Mobile App Technology (MAT)*. Invited presentation at the 2012 Interactive Collaborative Learning International Conference, Villach, Austria, Sept. 23-25, 2012.
- Knezek, G., Christensen, R., Tyler-Wood, T., & Hopper, S. (2012). Development of SimSchool: A design-based research case study. Invited presentation to the International Conference on Design Based Research. University of Twente, NL. May 23, 2012.
- Knezek, G. (2012). Master class on scaling methods. Invited presentation to the Faculty of Educational Science and Technology, University of Twente. May 18-22, 2012
- Knezek, G. (2011). Mobile innovations for informal learning. Invited presentation to Deakin University, School of Information Technology. Oct. 27, 2011.
- Knezek, G., & Fisser, P. (2011). SimSchool international. Invited presentation to the University of Twente. Oct. 14, 2011.
- Knezek, G. & Khaddage, F. (2011). A Preliminary Analysis of the Mobile Learning Scale. Invited presentation at the 2011 World Education Research Association (WERA). Taiwan, Dec. 17, 2011.
- Knezek, G., & Voogt, J. (2011). Master class on quantitative data analysis. Invited presentation to University of Twente. Sept. 29-30 and Oct. 3-4, 2011.
- Knezek, G. (2010). Information Technology (IT), Artificial Intelligence (AI) & Learning in the Digital Age. Invited keynote presentation to the 2010 International Conference on Artificial Intelligence and Education, Hangzhou, China, Oct. 29, 2010.
- Knezek, G. (2009, Dec.). A Call to Action for IT in Education: Findings from the International Handbook for Information Technology in Primary & Secondary Education – and Next Steps. Invited keynote presented to the 50th Anniversary Annual Meeting of the Taiwan Association of Educational Communications & Technology, Taipei, Taiwan, Dec. 10, 2009.
- Knezek, G. (2009, Dec.). Practical Perspectives on Integrating New Technologies into Classroom-Guided Learning. Invited keynote presented to the Chinese Educational Technology Conference, Taipei, Taiwan, Dec. 11, 2009.
- Knezek, G., Christensen, R., & Tyler-Wood, T. (2009, Dec.). Addressing the Needs of Digital Age Learners. Invited keynote presented to the Invitational Summit Redefining Teacher Education for Digital Age Learners, Austin, Texas, Dec. 1, 2009.

- Knezek, G. (2009, Nov.). A Call to Action for IT in Education: Findings from the International Handbook for Information Technology in Primary & Secondary Education. Invited presentation to the Xi Hu Conference on Technology & 21st Century Learning, Hangzhou, China, Nov. 1, 2009.
- Knezek, G., (2009, Nov.). Professional Association & Publication Potentials for ICT and 21st Century Learning in the Asia/Pacific Region. Invited closing panel presentation (Knezek presenter & moderator) to the Xi Hu Conference on Technology & 21st Century Learning, Hangzhou, China, Nov. 2, 2009.
- Knezek, G., & Christensen, R. (2009, Oct.). The Role of Affect in OST's Support of Student Interest in STEM Careers. Invited paper presented to the Out-of-School-Time STEM conference, Washington, DC, Oct. 19, 2009.
- Voogt, J. & Knezek, G. (2009, June). The International Handbook of Information Technology in Primary & Secondary Education. Opening address, EduSummit09, The Hague, NL, June 11, 2009. (See also "Hopes and Dreams for EduSummit09, video interview at <http://edusummit.nl/resultssummit/interviews/voogt>.)
- Bull, G., Thompson, A. & Knezek, G. (2009, Feb.) Publishing ITEST Projects. Invited panel session presented to the NSF Innovative Technology Experiences for Students & Teachers Annual Summit. Washington, DC, Feb. 26, 2009.
- Knezek, G. (2008, March). *Global Perspectives: Visions of the Future for Technology & Teacher Education*. Invited keynote presented to the International Society for Information Technology & Teacher Education 19th Annual Conference, Las Vegas, Nevada, March 5, 2008.
- Knezek, G. (2007, July). *Designing Research for Measuring the Impact of Technology in Education*. Invited keynote presented to the Fourth Annual Northshore Excellence in Teaching with Technology Conference (NETT 2007), Lake Ponchartrain, Louisiana, July 20, 2007.
- Knezek, G. (2002, November). *Impact of new information technologies on teachers and students*. Invited presentation to the National Institute for Multimedia Education, Tokyo, Japan, November 27, 2002.
- Knezek, G. (2002, November). *Project for the Longitudinal Analysis of New Information Technologies (PLANIT): Trans-national findings for 1995 – 2002*. Invited Keynote Address to the Computer and Network Technologies in Education Conference, Hsin- Chu, Taiwan, November 29, 2002.
- Knezek, G. (2001, April). *Research agendas fostered by AERA distinguished paper recognition*. Invited panel presented to the American Educational Research Association Annual Conference, Seattle, Washington.

Editorships

Books

- 2018 *Second Handbook of Information Technology in Primary and Secondary Education*, Springer, NL: Co-Editor
- 2014 *Handbook on Games and Simulations in Teacher Education*. Charlottesville, VA: AACE

(Co-Editor).

- 2008 *International Handbook of Information Technology in Education*, Springer, NL: Co- Editor
- 2005 *The Will, Skill, Tool model of technology integration. A conceptual approach to teaching and learning with technology*, ILCE, Mexico City: Co-Editor
- 2004 *Scaling methods (2nd ed.)*. Mahwah, NJ: Lawrence Erlbaum: Co-Author
- 2001 *Users' Views of New Information Technologies in Education: Studies from Multiple Nations*, ILCE, Mexico City: Co-Editor
- 2000 *Impact of New Technologies on Teaching and Learning*, ILCE, Mexico City: Co-Editor
- 1997 *Teaching and Learning in the Digital Age*, ISTE, Portland (OR): Co-Editor

Journals

- 2024 Forkosh-Baruch, A., Voogt, J. & Knezek, G. (Eds.). (2024). Moving forward to new educational realities in the digital era: An international perspective. *Technology Knowledge Learning*, 29, 1685–1691. <https://doi.org/10.1007/s10758-024-09785-8>
- 2024 Forkosh-Baruch, A., Voogt, J., Knezek, G., Sahin, M., & Ifenthaler, D. (Eds.). (2024). *Technology, Knowledge and Learning*, [Special Issue], 29(4), Springer: NY.
- 2021 Voogt, J., & Knezek, G. (2021). Learners and learning contexts: International perspectives on new alignments for the digital age [Special issue]. *Educational Technology Research and Development*, 69(4).
- 2021 Voogt, J., & Knezek, G. (2021). Teaching and learning with technology during the COVID-19 pandemic: Highlighting the need for micro-meso-macro alignments [Special issue]. *Canadian Journal of Learning and Technology*, 47(4).
- 2014 *Research-informed Strategies to address Educational Challenges in a Digitally Networked World*. Special Edition of findings from EDUSUMMIT 2013. Education and Information Technology, Co-Editor.
- 2013 *Research-informed Strategies for Moving Education into the Digital Age– Outcomes of the International Summit on ICT in Education*. Special Issue of findings from EDUSUMMIT 2011. Journal of Computer-Assisted Learning, Co-Editor.
- 2007 *Computers in the Schools: Evidence-based research on the impact of technology in education* (special issue), Co-Editor
- 1995 *TechEd Digest*, Guest Editor (For Fall, 1995, Issue)

Reports

- 2021 Voogt, J. & Knezek, G. (2021) (Eds.). The EDUsummiT Series. Outcomes from the International Summit on Information Technology in Education, The First Ten Years. Compilation of reports

and documents produced by EDUsummIT attendees from 2009 through 2019, assembled and published in 2021 by two of the founders serving as editors. These documents are now available open access in the AACE Digital Library.

Voogt, Editor, J. & Knezek, Editor, G. *Under what Conditions, does Technology have a Positive Effect on Teaching and Learning. Report of EDUsummIT 2009.* Retrieved June 10, 2021, from <https://www.learntechlib.org/p/219581/>.

Resta, Editor, P., Searson, Editor, M., Patru, Editor, M., Knezek, Editor, G. & Voogt, Editor, J. *Building a Global Community of Policy-makers, Researchers, and Teachers to Move Education Systems into the Digital Age. Summary report.* EDUsummIT. Retrieved June 10, 2021, from <https://www.learntechlib.org/p/219529/>.

Searson, Editor, M., Gibson, Editor, D., Meyers, Editor, R., Hancock, Editor, M.H., Voogt, Editor, J., Knezek, Editor, G., Cox, Editor, M., Resta, Editor, P., Webb, Editor, M., Tondeur, Editor, J. & Pareja Roblin, Editor, N. (2013). *Research- informed strategies to address educational challenges in a digital networked world. Summary report..* EDUsummIT. Retrieved June 10, 2021 from <https://www.learntechlib.org/p/219526/>.

Lai, Editor, K. (Ed.). (2015). *Technology Advanced Quality Learning for all - EDUsummIT 2015 Summary Report.* Bangkok, Thailand: EDUsummIT. Retrieved June 11, 2021 from <https://www.learntechlib.org/p/219492/>.

Lai, Editor, K.W., Voogt, Editor, J. & Knezek, Editor, G. (2017). *Rethinking Learning in a Digital Age - EDUsummIT 2017 Summary Reports.* EDU. Retrieved June 11, 2021 from <https://www.learntechlib.org/p/219501/>.

Fisser, Editor, P. & Phillips, Editor, M. (2019). *Learners and learning contexts: New alignments for the digital age. Report of EDUsummIT 2019.*

EDUSUM. Retrieved June 11, 2021 from <https://www.learntechlib.org/p/219511/>.

Cox, Editor, M. & Laferrière, Editor, T. (2019). *Learners and learning contexts: New alignments for the digital age. EDUsummIT2019: The Action Agendas of EDUsummIT 2019.* EDUSUM. Retrieved June 10, 2021 from <https://www.learntechlib.org/p/219512/>.

Monographs

- 2011 *Journal of Computer Assisted Learning (JCAL)*, Co-Editor
- 2010 *Redefining Teacher Education for Digital Age Learners Invitational Summit*, Section Editor
- 2001 *Issues in Online Learning Reader*, Co-Editor
- 1994 *Studies on Children and Computers: The 1993-94 Fulbright Series*, Editor 1992 *Packet*

Radio: An Educator's Alternative to Costly Telecommunications, Editor

Scholarly Reviews

2021	Paper Reviewer for University of Maryland Extension	Reviewer
2012	Paper Reviewer ETR&D	Reviewer
2011	SITE Research & Evaluation paper submissions	Reviewer
2010	SITE Research & Evaluation paper submissions	Reviewer
2010	AERA TACTL SIG	Reviewer
2009	AERA TACTL SIG	Reviewer
2009	SITE book Research in Technology & Teacher Education	Reviewer
2009	<i>Journal Educational & Psychological Measurement</i>	Reviewer
2008	Journal of Educational and Psychological Measurement	Reviewer
2004	Journal of Educational and Psychological Measurement	Reviewer
2002	Written review of book Distance education: Issues and concerns. Hawthorn Press.	Reviewer
2001	Critique of dissertation from New Zealand (Waddick)	Reviewer
1998	International Society for Technology in Education, Eighth International Conference on Telecommunications in Education	Paper Reviewer
1998	Journal of Computers in Mathematics and Science Teaching	Paper Reviewer
1994-1997	Research on Asian-Pacific Americans Special Interest Group (AERA)	Paper Reviewer
1994-1996	AERA Electronic Network Special Interest Group	Paper Reviewer
1993-1995	Journal of Computing in Childhood Education	Paper Reviewer

Honors/Awards

<u>Date</u>	<u>Honor</u>	<u>Awarding Organization</u>
<u>International/ National</u>		
2017	Journal of Digital Learning in Teacher Education Outstanding Research Paper Award	International Society for Technology in Education (ISTE)
2015	Outstanding Paper Award	Society for Information Technology & Teacher Education (SITE)
2013	Invited panelist, AERA Annual Meeting	American Educational Research Association
2012	Distinguished Paper Award	IADIS Cognition and Exploratory Learning in the Digital Age (CELDA)
2011-2012	Fulbright Senior Specialist/Netherlands (three 2-week research residencies, Univ. of Twente, NL)	Council for the International Exchange of Scholars
2011	Outstanding Paper Award	American Educational Research Association
2011	Outstanding Paper Award	Society for Information Technology & Teacher Education
2009	UNT Competitive Funding Award	University of North Texas
2008-2011	President	Society for Information Technology & Teacher Education
2007	Best Research Paper	National Education Computing

		Conference
2005	Distinguished Paper Award	American Educational Research Association
2005	Distinguished Paper Award	Hawaiian Educational Research Association
2003	Outstanding Research Paper Award	Society for Information Technology & Teacher Education
2001	Invited panelist, AERA distinguished paper series.	American Educational Research Association
1999	NECC Leadership Award (<i>National Educational Computing Conference Recognition & lifetime complimentary membership</i>)	National Educational Computing Association
1997	Best Quantitative Research Studies Award	Society for Information Technology & Teacher Education
1993-1994	Fulbright Scholar (Japan)	Council for International Exchange of Scholars
1991	Distinguished Paper Award	American Educational Research Association

Local/University

2018-19	Faculty Excellence Award,	College of Information
2013-19	Thank a Teacher Award	University of North Texas
2012	Nominated for UNT Foundation Eminent Faculty Award	University of North Texas
2009	Competitive Funding Award Recipient	UNT Office of Research and Development
2007	Faculty Award for Excellence in Doctoral Mentoring	UNT Graduate Student Council

2003	20 Years of University Service Award	University of North Texas
2002	Street Visiting Scholar Program Coordinator	College of Education Selection Comm.

2000	Interdisciplinary Research Award	Interdisciplinary Information Science Doctoral Program, U. of North Texas
1996-1997	Developing Scholar Award	University of North Texas
1995-1997	Matthews Chair for Research in Education	University of North Texas
1988	Sigma Xi Scientific Research Society	University of North Texas

Student Career

1975-1978	Dean's List	University of Hawaii
1978	Phi Kappa Phi	University of Hawaii
1976-1977	President, Graduate Student Organization	University of Hawaii
1974	Rufus Choate Scholar (First Honor Group), Degree Magna Cum Laude, Phi Beta Kappa, High Distinction Honors Graduate	Dartmouth College (NH)
1970-1971	Honors at Entrance, Dean's List, Commandant's List, Superintendent's List	U. S. Air Force Academy (CO)
1970	Co-Valedictorian, National Merit Finalist	Seymour High School, Texas

Credentials

2012 Certified 36 hours training in Neurofeedback Southwest Health Foundation Techniques (Houston June 2012), Audited UT Medical Branch Houston Fall 2012 Neurofeedback Doctoral Course UNT Dept. Behavioral Sci.

Lifetime Texas Teaching Certification: Computer Information Systems
Mathematics Psychology

Endorsement: Information Processing Technologies

Technician Plus Amateur Radio Operator: Federal Communications Commission

INSTRUCTIONAL ACTIVITIES

Instructional Assignments

<u>Graduate</u>	#Students	Rating Evaluation (S.D.) n	Rating for Year
Semester/Year			
Fall 2022			
LTEC 6950.704	1		
LTEC 6511.030	15		
Summer 2022			
LTEC 6800.030	15	4.8	
LTEC 5800.001	4	0	
Spring 2022			
LTEC 6950.734	1		
LTEC 6515.030	10	4.8	
Fall 2021			
LTEC 6950.744	1	(Fall 2021 ratings not in FIS)	
LTEC 2600.005	35		
LTEC 2600.006	35		
Spring 2021			
LTEC 6950.744	1		
LTEC 6220.001	5	3.5	
LTEC 6220.030	10	4.9	
LTEC 6220.040	3	4.9	
Fall 2020			
LTEC 6515.001	4	5	
LTEC 6515.030	10	4.9	
LTEC 6515.040	1	4.9	
LTEC 6950.734	1		
LTEC 6950.744	1		
Summer 2020 (10W)			
LTEC 6511.020	6	4.8	
LTEC 6511.030	17	4.8	
LTEC 6511.040	3	4.8	
LTEC 6950.744	1		
LTEC 6900.030	1		
LTEC 6900.040	1		
LTEC 6900.704	1		
Spring 2020			
LTEC 6950.734	1	(Spring 2020 ratings not in FIS)	
LTEC 6950.744	1		

Spring 2020 (8W1)

LTEC 5200.020	2
LTEC 5200.026	2
LTEC 5200.080	22
LTEC 5200.086	2

Fall 2019

LTEC 6515.001	9	4.8
LTEC 6515.030	2	(Fall 2019 ratings not in FIS)
LTEC 6950.704	1	
LTEC 6950.734	1	
LTEC 6950.744	1	

Summer 2019 (10W)

LTEC 6511.001	1	
LTEC 6511.020	4	4.6
LTEC 6511.030	5	4.6
LTEC 6511.040	2	4.6
LTEC 6950.734	1	

Spring 2019

LTEC 6950.704	1
LTEC 6950.724	1
LTEC 6950.744	1
LTEC 6950.754	1

Spring 2019 (8W2)

LTEC 5610.081	12	4
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Fall 2018

LTEC 6800.030	11	4.1
LTEC 6800.040	11	4.1

Summer 2018

LTEC 6515.020	9	4.6
LTEC 6515.030	9	4.6
LTEC 6511.020	14	3.5
LTEC 6511.030	14	3.5
LTEC 6511.040	14	3.5

Spring 2018

LTEC 6511.001	10	4	4.0
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Summer 2017

LTEC 6515.020	12	4.8
LTEC 6515.030	13	4.8
LTEC 6515.040	13	4.8

Spring 2017

LTEC 6511.001	7	4.9	
LTEC 6220.001	7	4.8	4.8

Fall 2016

LTEC 4100.020	12	2.5
LTEC 6510.001	7	4.8

Summer 2016

CECS 6510.020	20	4.6
CECS 6510.030	20	4.6
CECS 6510.040	20	4.6
CECS 6514.020	9	4.8
CECS 6514.030	9	4.8
CECS 6514.040	9	4.8

Spring 2016

CECS 6800.030	14	4.2	
CECS 6800.040	14	4.2	
CECS 6220.030	8	4.6	
CECS 6220.040	5	3.2	4.3

Spring 2015

CECS 6800.040	4	(Spring 2015 ratings not in FIS)	
CECS 6800.030	10		
LTEC 4100.021	16		

Fall 2014

CECS 5020.020	8		
CECS 6950.704	6		
CECS 6511.001	8		
CECS 6050.704	1		

Summer 2014 (10W)

CECS 6950.704	2		
CECS 6510.020	8		
CECS 6510.030	11		
CECS 6510.041	4		
CECS 6514.020	9		

Spring 2014

CECS 6950.074	2		
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Spring MB 2014

CECS 610.080	8		
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Fall 2013

CECS 6950.704	2		
CECS 6511.001	9	3.58/4	

Summer 2013 (10W)

CECS 6510.001	12	not available	
CECS 6510.030/040	10	3.96/4	
CECS 6514.020	8	too few recorded	

Spring 2013

CECS 6950.704	2	
CECS 6900.704	1	
Fall 2012		
CECS 6511.001	12	2.94
Summer 2012		
CECS 6800.001	7	4.0
Summer 2012 (10W)		
CECS 6950.001	1	
CECS 6510.001	7	
Spring 2012		
CECS 6950.704	2	
CECS 6900.704	2	
Fall 2011		
CECS 6950.704	1	
CECS 6800.001	6	4.0
Summer 2011 (10W)		
CECS 6800.003	6	
CECS 6510.001	8	
Spring 2011		
CECS 6950.704	1	
CECS 6900.704	1	
Fall 2010		
CECS 6950.704	1	
CECS 6800.002	9	
Summer 2010 (10W)		
CECS 6800.030	10	855 (1-1000 scale)
CECS 6510.001	10	858 (1-1000 scale)

Spring 2010*No graduate courses taught***Fall 2009**

CECS 6800.030

Summer 2009CECS 6800.030 (6510) 9 *not available*

CECS 6800.031 (Scaling) 13 “

Summer 2008CECS 6510.030 10 *not available*

CECS 6800.030 12 “

Summer 2007CECS 6510.030 12 *not available*

CECS 6800.030 10 “

22

Summer 2006

CECS 6510.010 11 “

CECS 5610.030 17 “

CECS 6800.010 9 “

Spring 2006

CECS 5610.030 13 4.89 (.22)

50

4.89 **2006****Fall 2005**

CECS 4100.003 24 4.24 (.87)

CECS 4100.006	23	4.66	(.53)		
CECS 6000.010	12	4.54	(.78)		
Summer 2005					
CECS 5500	30	“			
CECS 5610	9	“			
CECS 6950	7	“			
Spring 2005					
CECS 5610	13	4.40	(.46)		
CECS 6220	10	4.89	(.15)		
			81	4.65	2005
Summer 2004					
CECS 5500	19	“			
CECS 6800	17	“			
Spring 2004					
CECS 5610	15	4.25	51	4.25	2004
Fall 2003					
CECS 5500.090	11	4.62			
Summer 2003					
CECS 6310	12				
CECS 6800	9				
			50	4.53	2003
Spring 2003					
CECS 5610.090	18	4.44			

Fall 2002

CECS 5400.090	5	4.75		
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Maymester 2002

CECS 6800.020	9			
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CECS 6800.020 N/ACECS 6800.021	9			
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Spring 2002

Sabbatical – no courses
taught

23	4.75	2002
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CECS 5030	13			
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Summer 2001

CECS 5500.020	6			
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CECS 5500.090	9			
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CECS 5400				
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Maymester 2001

CECS 5800.020				
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Spring 2001

CECS 6800	14	4.98		
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CECS 5610	25	3.37		
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52	4.17	2001
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Fall 2000

CECS 5500	8	4.86		
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CECS 5030	30	<i>not available</i>		
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Summer 2000

CECS 5500	17			
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Spring 2000

CECS 5610	20	4.22		
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CECS 5500.020/.054	20	<i>not available</i>		
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95	4.54	2000
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Fall 1999

CECS 5500	15	4.53		
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CECS 5400	18	4.64		
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Summer 99

CECS 5500	10			
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Spring 1999

CECS 5610	9	4.71	52	4.62	1999
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Fall 1998

CECS 5030.001	12	4.72
CECS 5030.080	10	4.82

Summer 1998

CECS 5500	10
CECS 5500	26
CECS 5420	26

Spring 1998

CECS 5960	15	4.82			
CECS 5610	15	4.94			
CECS 5400	20	4.81			
			134	4.82	1998
Fall 1997					
CECS 5010	34	4.68			
CECS 5420	26	4.63			
CECS 5960	6	4.68			
EDER 5210	13	3.83			
Summer 1997					
CECS 5420	19	4.57			
CECS 5400	16	4.45			
CECS 5420	18	4.42			
CECS 5010	24	4.45			
Spring 1997					
CECS 5010.2	15	4.42			
CECS 5011.1	14	4.75			
CECS 5250	23	4.57			
			208	4.52	1997
Fall 1996					
CECS 5250.1	11	4.47			
CECS 5011.1	21	4.10			
Summer 1996					
CECS 5250.1	18	4.25			
CECS 5800.1(5420)	20	4.52			
CECS 5011	23	4.49			
Spring 1996					
CECS 5011.1	19	4.63			
CECS 5250.1	20	4.69			
CECS 5800.1 (Readings)	11	4.93			
			143	4.59	1996
Fall 1995					
CECS 5010.1 Comp Apps	18	4.66			
CECS 5010.2 Comp Apps	25	4.27			
Summer 1995					
CECS 5250 Ed. Telecomm.	20				
CECS 5310 HCI	9				
CECS 5800 Technology	13				
Rsch					
Spring 1995					
CECS 5011 Comp Apps	13	4.63			

CECS 5250 Ed. Telecomm.	19	4.45			
CECS 5410 Rsch. Methods	16	4.46			
			91	4.49	1995
Fall 1994					
CECS 5330 ITS	10	4.66			
CECS 5010 Comp. Apps.	19	4.93			
CECS 5250 Ed. Telecomm.	13	4.79			
Spring 1994					
CECS 5110 CAI	23	4.04			
CECS 5250 Ed. Telecomm.	25	4.55			
CECS 5310 HCI	32	4.15			
			122	4.52	1994
Fall 1993					
	Prof. Dev. Leave (Sabbatical)				
Summer 1993					
CECS 5250 Ed. Telecomm.	18				
CECS 5800(Internet Res.)	35				
Spring 1993					
CECS 5250 Ed. Telecomm.	28	4.18			
CECS 5110 CAI	18	4.45			
			99	4.32	1993
Fall 1992					
CECS 5110 CAI	18	4.11			
CECS 5330 ITS	11	4.57			
Summer 1992					
CECS 5250 Ed. Telecomm.	16	4.82			
CECS 5020 Computers in Ed.	17				
Spring 1992					
CECS 5130 Ed. Software Dev.	10	4.66			
CECS 5310 HCI	24	4.48			
			96	4.53	1992
Fall 1991					
CECS 5250 Ed. Telecomm.	12	4.79			
CECS 5120 CMI	20	4.70			
Summer 1991					

CECS 5120 CMI	16		
Spring 1991			
CECS 5330 ITS	9	4.75	
CECS 5130 Ed. Software Dev.	15	4.88	
		72	4.78 1991

Undergraduate

Semester/Year	# Students	Evaluation (S.D.) n Rating for Year
<u>Fall 2014</u>		
LTEC 4100.022		<i>Not available</i>
<u>Fall 2013</u>		
LTEC 4100.024	<u>17</u>	3.71/4
<u>Spring 2013</u>		
LTEC 4100.024		
<u>Fall 2012</u>	<u>18</u>	<i>Not available</i>
CECS 4100.24		
<u>Spring 2012</u>	<u>20</u>	3.11
CECS 4100.0021	<u>23</u>	3.25
<u>Fall 2011</u>		
CECS 4100.025		
<u>Spring 2011</u>	<u>24</u>	3.18
CECS 4100.031	<u>17</u>	3.43
CECS 4100.006		
<u>Fall 2010</u>		
CECS 4100.003	<u>22</u>	
<u>Spring 2010</u>	<u>24</u>	712 (1-1000)
CECS 4100.031		
<u>Fall 2009</u>		
CECS 4100.003	<u>24</u>	4.61
CECS 4100.006	<u>23</u>	N/A
<u>Spring 2009</u>		

CECS 4100.003	<u>24</u>	4.59	(.39)		
<u>Fall 2008</u>					
CECS 4100.03					
CECS 4100.009	<u>24</u>	4.17	(.06)		
<u>Spring 2008</u>	<u>23</u>	4.87	(.08)		
CECS 4100.009	<u>24</u>	4.40	(.46)		
			72	4.48	2008
<u>Fall 2007</u>					
CECS 4100.003					
CECS 4100.006	24	4.65	(.27)		
<u>Spring 2007</u>	22	4.78	(.23)		
<u>CECS 4100.009</u>					
<u>CECS 4100.003</u>	23	4.67	(.51)		
	24	4.17	(.92)		
<u>Fall 2006</u>			93	4.57	2007
<u>CECS 4100.003</u>					
<u>Spring 2006</u>	24	4.89	(.47)		
<u>CECS 4100.003</u>					
<u>CECS 4100.009</u>	24	4.20	(.91)		
	24	4.50	(.53)		
<u>Fall 2005</u>			72	4.53	2006
<u>4100.003</u>					
<u>4100.006</u>	24	4.24	(.87)		
<u>Spring 2005</u>	23	4.66	(.53)		
<u>4100.003</u>					
	24	3.78			
<u>Fall 2004</u>			71	4.23	2005
<u>4100.003</u>					
<u>4100.006</u>	24	3.25			
<u>Spring 2004</u>	22	3.00			
<u>4100.090</u>					
	24	3.77			
<u>Fall 2003</u>			70	3.34	2004
<u>4100.001</u>					

	<u>4100.090</u>	23				
<u>Spring 2003</u>		16				
	<u>4100.090</u>	16	4.5			
				55	4.5	2003
<u>Fall 2002</u>						
	<u>CECS 4100.003</u>					
		23	4.24			
<u>Spring 2002</u>						
<u>Sabbatical – no courses taught</u>						
				23	4.24	2002
<u>Fall 2001</u>						
	<u>CECS 4100.003</u>					
	<u>CECS 4100.090</u>	17	4.40			
		23	3.76			
<u>Summer 2001</u>						
	<u>CECS 4100.090</u>					
		6				
<u>Maymester 2001</u>						
	<u>CECS 4900.702</u>					
		1				
<u>Spring 2001</u>						
	<u>CECS 4100</u>					
		19	4.50			
<u>Fall 2000</u>				66	4.22	2001
	<u>CECS 4100</u>					
		24				
<u>Spring 2000</u>						
	<u>CECS 4100</u>					
		23	4.14			
				47	4.14	2000
<u>Fall 1999</u>						
	<u>CECS 4100</u>					
		24				
<u>Spring 1999</u>						
	<u>CECS 4100</u>					
		24	4.32			
				48	4.32	1999
<u>Fall 1998</u>						
	<u>CECS 4100</u>					
		19	4.35			
				19	4.35	1998

New Course Development, New Course Preparations and Major Course Revisions

<u>Graduate</u>		
Year	Course and Title	Revision/Innovation
2018	LTEC 5610 - Analysis of Research in Learning Technologies	Rewrote course and moved it to Canvas after death of Dr. Jones, Co-Author on previous version
2018	LTEC 6515 – Scaling Methods	Rewrote course and moved it to Canvas since Moodle was discontinued
2018	LTEC 6511 – Psychometric Measurement for Learning Technologies	Revised course and moved it to Canvas since Moodle was discontinued
2008	CECS 6800 Simulating Teaching & Learning	Developed syllabus and taught for first time, doctoral level course
2005	CECS 6000 Philosophy of Computing in Education	Developed syllabus and taught for first time, doctoral core course
2005	CECS 6220 Theory of Implementing Tech. In Ed.	Developed syllabus and taught for first time, doctoral course
2004	CECS 6510 Analysis of Ed. Computing Research Data	Developed syllabus and taught for first time, doctoral course
2003	CECS 6800 Non-parametric statistics	Developed syllabus and taught for first time, doctoral course
2002	CECS 5400 (Educational Telecommunications)	Video Segments, Web Modules
2002	CECS 5610 (Analysis of Ed. Technology Research)	Research Video Segments, and Web Modules
2001	CECS 5030 (Internet in Education)	Video Segments, Web Modules for CECS 5030
2001	CECS 6800 (Advanced Data Analysis)	New course developed and delivered in web extended format
	CECS 5800 (Scaling Methods)	New course developed and delivered in web extended format
	CECS 5030 (Internet in	Video Segments, Web Modules for

	Education)	Graduate School Online format
	CECS 4100 (Computers in the Classroom)	Revision to align with portfolio system required by Intel Teach to the Future
2000	CECS 5610 (Analysis of Research in Ed. Tech.)	Conversion to web extended format
1999	CECS 5400 (Educational Telecommunications CECS 5500 (Computers in Curriculum and Instruction)	Dual site asynchronous RealPlayer format Multi-site, teaming with clinical faculty
1998	CECS 5030 (Internet in Education)	Accelerated 4 weekend format
	CECS 5400 (Educational Telecommunications CECS 5960 (Visiting Scholars)	RealAudio Live Internet Broadcast course Two semester course with 3 international scholars
1997	CECS 5010 (Comp. Apps.)	Web extended format
1996	CECS 5580 (Readings in CECS) CECS 5420 (Internet Navigation)	Preparation Preparation
1995	CECS 5410 (Research Methods) CECS 5810 (Technology Research Institute)	Preparation Preparation
1994	CECS 5011 (Computer Applications - Mac)	Preparation

Undergraduate

2008	CECS 4100 (Computers in the Classroom)	Revision to address assessment of adult learning styles, 3 hour block based on personality theory, multiple intelligences, hemispheric dominance
2007	CECS 4100 (Computers in the Classroom)	Revision to address simulations and games for learning, based on 3-hour block of Lemonade Stand, Oregon Trail and simSchool
2001	CECS 4100 (Computers in the Classroom)	Revision to align with portfolio system required by Intel Teach to the Future

2001	CECS 4800. (Technology Mentoring)	Sponsored development of CECS 4800
	CECS 4800 (Technology Integration in Secondary Education)	Sponsored development of CECS 4800
1999	CECS 4100 (Computers in the Classroom)	Web extended format

Student Advisement

Graduate - Dissertations/Theses

2021	Jennifer Scott	Learning Technologies	Major Professor	Doctorate
2022	Anila Das	Learning Technologies	Major Professor	Doctorate
2022	Alex Matthews	Learning Technologies	Major Professor	Doctorate
2022	Morgan Carter	Learning Technologies	Committee Member	Doctorate
2023	Charles Coleman	Learning Technologies	Major Professor	Doctorate
2019	Samson Lepcha	Learning Technologies	Major Professor	Doctorate
2018	Charles Woods	Learning Technologies	Major Professor	Doctorate
2017	Julia Allen	Learning Technologies	Major Professor	Doctorate
2017	Stephanie Barbee	Learning Technologies	Major Professor	Doctorate
2016	Badr Alahmad	Learning Technologies	Committee Member & Stats Advisor	Doctorate
2016	Josh Gordesky	Learning Technologies	Committee Member & Stats Advisor	Doctorate
2016	Jennifer Miller	Learning Technologies	Major Professor	Doctorate
2016	Cliff Zintgraff	Learning Technologies	Committee Member	Doctorate
2016	Stacey Guney	Learning Technologies	Major Professor	Doctorate
2016	Godwin Okeke	Learning Technologies	Diss Advisor	Doctorate
2016	A.Z. Bashet	Learning Technologies	Committee Member	Doctorate
2016	Annie Sheffield	Learning Technologies	Major Professor	Doctorate
2015	Hannah Rutledge	Information Science	Committee Member	Doctorate
2014	Gary Mayes	Educational Computing	Major Professor	Doctorate
2013	Susan Hopper	Educational Computing	Major Professor	Doctorate
2013	Leila Mills	Educational Computing	Major Professor	Doctorate
2012	Buncha Samruayruen	Educational Computing	Major Professor	Doctorate
2011	Ron Bland	Educational Computing	Major Professor	Doctorate
2008	Sherri Brogdon	Educational Computing	Major Professor	Doctorate
2007	Theresa Overall	Educational Computing	Major Professor	Doctorate
2006	Cesareo Morales	Educational Computing	Major Professor	Doctorate
2005	Robert Hancock	Educational Computing	Major Professor	Doctorate
2004	Lemoyne Dunn	Information Science	Major Professor	Doctorate
2004	Darlene Griffin	Curriculum & Instruction	Minor Professor	Doctorate
2003	James Langford	Information Science	Major Professor	Doctorate
2002	Linda Robinson	ATTD	Major Professor	Doctorate
2002	Jennifer Smolka	Educational Computing	Diss. Advisor	Doctorate
2002	Barbara Ashmore	Curriculum & Instruction	Minor Professor	Doctorate
2002	Rebecca Swartz	Information Science	Major Professor	Doctorate
2002	Maroba Zoeller	NT Federation, TAMU-	Minor Professor	Doctorate

2001	Bert Moonen	Commerce University of Twente, The Netherlands	Committee Member	Doctorate
2000	Zelina Urais-Barker	Information Science	Major Professor	Doctorate
2000	Greg Jones	UT Austin Instructional Technology	Committee Member	Doctorate
2000	Shafi Almahboub	Curriculum & Instruction	Committee Member	Doctorate
1999	Thomas Bell	Information Science	Major Professor	Doctorate
1999	John Waddick	Univ. of Otago, New Zealand	Committee Member	Doctorate
1999	Hamad Al-Awidi	Curriculum & Instruction	Minor Professor	Doctorate
1999	Suzanne Byron	Information Science	Committee Member	Doctorate
1998	Celina Pinheiro	ATTD	Major Professor	Doctorate
1998	James Langford	Information Science	Major Professor	Doctorate
1998	Fred Lima	Information Science	Major Professor	Doctorate
1998	Michelle Toon	Information Science	Major Professor	Doctorate
1998	Libby Gilmore	ATTD	Committee Member	Doctorate
1997	Rhonda Christensen	Information Science	Major Professor	Doctorate
1997	Rebecca Swartz	Information Science	Major Professor	Doctorate
1997	Enos Russel	Curriculum & Instruction	Minor Professor	Doctorate
1997	Denis Cronk	Higher Education (inactive?)	Minor Professor	Doctorate
1997	Phairot Kampangkaew	Higher Education (inactive?)	Minor Professor	Doctorate
1997	Jon Clark	Higher Education (inactive?)	Minor Professor	Doctorate
1997	Chris Salerno	Educational Administration (inactive?)	Committee Member	Doctorate
1997	John Donaldson	Information Sciences (inactive?)	Committee Member	Doctorate
1997	John Reed	Information Sciences	Committee Member	Doctorate
1996	Wanda Whitlock	Reading	Minor Professor	Doctorate
1996	Malcolm Bell	Music	Committee Member	Doctorate
1995	Johnny Carroll	Computer Science	Committee Member	Doctorate
1995	George Hubbard	Information Science (degree 5/95)	Major Professor	Doctorate
1995	Pat Fielder	College Teaching in Computer Science (primary topic advisor)	Minor Professor	Doctorate
1995	Jesus Amaya	Curriculum & Instruction	Minor Professor	Doctorate
1994	Derone Jenkins	College Teaching in CSCI	Committee Member	Doctorate
1994	Carmen Mitchell	Higher Education (primary topic advisor)	Minor Professor	Doctorate
1994	Pavitra Amin	Interdisciplinary Studies	Major Professor	Masters
1993	Mary Emerson	Higher Education	Minor Professor	Doctorate
1993	Stacie Emerson	Early Childhood	Committee Member	Doctorate
1992	Gary Heartsill	Adult Education	Minor Professor	Doctorate
1991	Greg Jones	Interdisciplinary Studies	Major Professor	Masters

Graduate - Other Advising

For 2017

For 2016

For 2015

For 2014

For 2013	12	(11 were dissertation direction)
For 2012	5	(5 were dissertation direction)
For 2009	10	(5 were dissertation direction)
For 2008	11	(5 were dissertation direction)
For 2007	12	(4 were dissertation direction)
For 2006	14	(5 were dissertation direction)
For 2005	22	(6 were dissertation direction)
For 2004	14	(5 were dissertation direction)
For 2003:	15	(3 were dissertation direction)
For 2002:	16	(5 were dissertation direction)
For 2001:	21	(8 were dissertation direction)
For 2000:	20	(7 were dissertation direction)
For 1999:	20	(5 were dissertation direction)
For 1998:	21	(5 were dissertation direction)
For 1997:	19	(6 were dissertation direction)
For 1996:	10	(5 were dissertation direction)

Undergraduate

<u>Semester/Year</u>	<u>Brief Description of Advising Duties</u>
Fall 2013	Advisor to 17 undergraduate students
Spring 2013	Advisor to 18 undergraduate students
Fall 2012	Advisor to 24 undergraduate students
Spring 2012	Advisor to 17 undergraduate students
Fall 2011	Advisor to 24 undergraduate students
Spring 2011	Advisor to 41 undergraduate students
Fall 2010	Advisor to 22 undergraduate students
Spring 2010	Advisor to 24 undergraduate students
Fall 2009	Advisor to 49 undergraduate students
Spring 2009	Advisor to 23 undergraduate students
Fall 2008	Advisor to 48 undergraduate students
Spring 2008	Advisor to 24 undergraduate students
Fall 2007	Advisor to 46 undergraduate students
Spring 2007	Advisor to 22 undergraduate students
Fall 2006	Advisor to 45 undergraduate students
Spring 2006	Advisor to 22 undergraduate students
Fall 2005	Advisor to 47 undergraduate students
Spring 2005	Advisor to 24 undergraduate students
Fall 2004	Advisor to 48 undergraduate students
Spring 2004	Advisor to 44 undergraduate students
Fall, 2003:	Advisor to 43 undergraduate students
Fall 2003	Advisor to 43 undergraduate students
Spring 2003	Advisor to 167 undergraduate students
Fall 2002	Advisor to 128 undergraduate students
Spring 2002	Advisor to 24 undergraduate students
Fall 2001	Advisor to 40 undergraduate students
Spring 2001	Advisor to 31 undergraduate students
Fall 2000	Advisor to 24 undergraduate students
Spring 2000	Advisor to 20 undergraduate students
Fall 1999	Advisor to 15 undergraduate students

Spring 1999	Advisor to 10 undergraduate students
Fall 1998	Advisor to 7 undergraduate students
Spring 1998	Advisor to 6 undergraduate students

Other Instructional Related Activities

<u>Semester/Year</u>	<u>Brief Description of Advising Duties</u>
Spring/Fall '08	Met with several major professor/student teams for initial dissertation advising as Director of College-wide Center for Interdisciplinary Research & Analysis (CIRA).
Spring/Fall '07	Met with several major professor/student teams for initial dissertation advising as Director of College-wide Center for Interdisciplinary Research & Analysis (CIRA).
Spring/Fall '06	Gave talks to numerous classes about Stats Lab, dissertation requirements and services available for their research needs through CIRA.
Summer/Fall '06	Advised 19 faculty at Casa Grande University (Ecuador) regarding degree program prospects and research.
Summer 2004	Lead doctoral mentoring class to prepared Educational Computing doctoral students in preparation of Educational Computing dissertation proposal.
Fall 2002	Release time (one course) by Dept. for CECS 4100 (Computers in the Classroom) coordination of 7 sections).
Spring 2000	Release time (one course) funded from PT3 for grant administration
Spring 1999	Release time (one course) to establish external funding.
Spring 1999	Developed outreach program with Duncanville ISD for delivery of technology applications endorsement classes.
Spring 1998	Coordinated establishment of technology applications endorsements and certificate programs.
Spring 1998	Developed outreach program with Dallas ISD for delivery of technology applications endorsement classes for summer.

PROFESSIONAL INVOLVEMENT AND SERVICE

Membership in Professional Organizations

International/National

International Federation for Information Processing IfIP Technical Committee Member	2009-present
EDUsummIT on ICT in Education Co-Chair/Co-Founder	2009-2013
Associate for Educational Communications and Technology	2010
American Educational Research Association, Special Interest Group Co-Founder, Technology as an Agent for Change in Teaching & Learning (TACTL)	2002-present
American Educational Research Association	(Initiated 1991)
Association for the Advancement of Computers in Education	(Initiated 1994)
Fulbright Association	(1993 Induction)
International Society for Technology in Education	(Initiated 1995)
Phi Beta Kappa	(1974 Induction)
Society for Information Technology & Teacher Education	(Initiated 1993)
Sigma Chi Scientific Research Society	(1988 Induction)

Regional

Hawaii Pacific Evaluation Association	2011- present
Hawaii Educational Research Association	(Initiated 1991)

State

Texas Computer Education Association	(Initiated 1983)
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Offices and Committee Assignments in Professional Organizations

International/ National

2023	EDUsummIT	Committee Member
2018-2026	National Technology Leadership Summit	Committee Member
2017-2024	EdMedia Innovate Learning	Committee Member
2010-2026	International Federation of Information Processing Societies Working Group 3.3 – Research on IT in Education	Committee Member
2009-2024	EDUSummIT	Founder & Steering Committee Member

2008-2026	Society for Information Technology and Teacher Education (SITE)	Board of Directors
2008-2011	Society for Information Technology and Teacher Education	President
2007	Society for Information Technology and Teacher Education	President Elect
2004-2007	Society for Information Technology and Teacher Education	Vice President for Research
2005-2006	American Educational Research Association Special Interest Group: Technology as an Agent of Change in Teaching and Learning.	Past President
2004-2005	American Educational Research Association Special Interest Group: Technology as an Agent of Change in Teaching and Learning.	President
2003	International Society for Technology in Education Ed Technology Steering Committee	Member

2003	Society for Information Technology in Teacher Education Research Committee	Chairman
1997	Program Co-Chair, International Telecommunications in Education Conference	Co-Chair
1996-1997	Student Papers Session and Award Ceremonies, American Radio Relay League Digital Communications Conference	Co-Chair
1996-1997	Program Committee, International Telecomm. in Education Conference	Co-Chair
1995-1998	International Society of Technology in Education International Committee	Co-Chair
1995-1996	Executive Committee, Electronic Networking Special Interest Group, American Educational Research Association	Member
June 1992	Special Sessions, National Educational Computing Conference (NECC '92)	Co-Chair
June 1992-present	Teacher Training for Information Technology: International Perspectives (Panel Session), NECC '92	Moderator
March 1992-present	Technology-Supported Pedagogy Session, 9th International Conference on Technology and Education, Paris, France	Chairperson
Sept. 1991	Multimedia & Instructional Software Session, International Conference on Multi-Media in Education and Training (ICOMMET '91), Japan	Co-Chair
1989-1990	International PEACESAT (Pan-Pacific Education And Communication Experiments by Satellite) User's Group	Vice-President

State

April 1989	Substance Abuse Prevention Media Fair, Texas Association for Educational Technology, Region 10 Education Services Center, Dallas, Texas	Programming Submissions Judge
1990-1992	Texas Computer Education Association Teacher Preparation Task Force Committee	Member
1989-1990	Texas Computer Education Association State Exhibits Committee	Member
1988-1989	Texas Computer Education Association State Exhibits Committee	Member
June 1988	National Educational Computing Conference, Dallas, Texas	Associate

		Conf. Chair
April 1987 & April 1988	State of Texas High School Programming Contest, Texas Computer Education Association, San Antonio, Texas	Head Judge
Nov. 1986 & Oct. 1987	Conference Committee for the Symposia: Networks in Brain and Computer Architectures, North Texas State University	Member
1986-1988	Research/Experts Subcommittee of the Association for Retarded Citizens	Member
1981-1983	EDUCOM Institutional Policy Representative, Hawaii Loa	EDUNET Liaison
1979-1980	EDUCOM Institutional Policy Representative, Chaminade	EDUNET Liaison
<u>Local/ University</u>		
2012	Nominated for UNT Foundation Eminent Faculty Award	University of North Texas
2009	Competitive Funding Award Recipient	UNT Office of Research and Development

Current Academic Projects

- (1) Predictors of STEM Career Interests in elementary, middle and high school students.
- (2) International Summit on ICT in Education (co-chair 2009, 2011, 2013) resulting from Handbook of Information Technology in Education (Springer, 2008). Co-editor with Dr. Johanna Voogt, Univ. of Twente, NL. Seventy-six chapters with 17 section editors from four continents; 1200 page work printed in two volumes, and 2nd Ed. 2018; dissemination talks in progress.
- (3) Scaling analysis of alternative versions of the Stanford Binet intelligence test, with Dr. Tandra Tyler-Wood and Dr. Christensen. Based on research initiated by Tyler-Wood, emphasis is on whether modern versions penalize exceptional learners. A paper on this topic received an AERA Distinguished Paper Award in 2005.
- (4) Real-time simulations of classroom environments to train preservice teachers to adapt to unexpected situations before they become classroom teachers. Current funding from FIPSE (Fund for the Improvement in Postsecondary Education) and the National Science Foundation is aiding research and development in this area. David Gibson, Univ. of Vermont, and Drs. Christensen and Tyler-Wood are partners in this endeavor. Dr. Leslie Patterson, Chair of Teacher Education & Administration, is a partner as well.
- (5) Seeking external projects to continue developing Institute for the Integration of Technology

into Teaching and Learning (UNT Center) with colleagues at UNT.

Other Professional Activities

2015	Implications of Digital Generations for a Learning Society: New Technologies, Pedagogies, and Assessments	Invited Keynote Speaker
2014	Higher Education Symposium (Sao Paulo, Brazil)	Invited Keynote Speaker
2014	UNESCO Regional Conference on Advanced Learning Technologies (Sofia, Bulgaria)	Invited Keynote Speaker
2013	DR K-12 Panel (NSF)	Reviewer
2012	National Technology Leadership Summit, 30 associations meeting in Washington DC	Education Strand Reviewer
2011-2013	Society for Information Technology and Teacher Education (SITE)	Reviewer
2011-2013	Research Experiences for Teachers (RET)	Reviewer
2011	National Technology Leadership Summit, 30 Associations meeting in Washington DC	Co-Chair, Performance Assessment Strand
2010-present	International Federation of Information Processing Societies: Working Group 3.3 - Research on IT in Education	Inducted Member, International Committee of 10
2010-12	EDUsummit (International Summit on ICT in Education) Hague, NL; UNESCO, Paris	Co-Chair (1 of 2)
2008-11	Society for Information Technology and Teacher Education	President
2008	European Educational Research Association Colloquium: Status of IT in Education	Invited Panelist
2008	National Science Foundation Editor's Roundtable	Invited Panelist
2008	NCTAF Roundtable: Successful Strategies for Preparing Science, Mathematics, Engineering and Technology Teachers for the 21 st Century	Invited Panelist
2007-08	Society for Information Technology and Teacher Education	President Elect
2004-2008	Society for Information Technology and	Vice President for

	Teacher Education	Research
2005-2006	American Educational Research Association Special Interest Group: Technology as an Agent of Change in Teaching and Learning	Past President (Exec. Comm. Office)
2004-2005	American Educational Research Association Special Interest Group: Technology as an Agent of Change in Teaching and Learning	President
2003	National Science Foundation Division of Elementary, Secondary, and Informal Educ. – Review Panel Member (Washington, D.C.)	Panelist
2003	International Society for Technology in Education Ed Tech Steering Committee	Member
2003	Society for Information Technology in Teacher Education Research Committee	Chairman
2002	Project for the Longitudinal Analysis of New Information Technologies (PLANIT) International Symposium, Mexico City, Mexico (<i>2 day symposium for researchers serving 13 Latin American nations</i>)	Moderator
2001	Preparing Tomorrow's Teachers to Use Technology Core Evaluation Group (<i>2 Washington D.C. panel reviewer meetings</i>)	Reviewer
2001	26 th World Conference on Computers in Education, Copenhagen, Denmark	Session Moderator
2001	American Associate of Colleges for Teacher Education Conference	Session Moderator
2000	Pre-conference Symposium of the Society for Information Technology in Teacher Education: Strategies for Assessing Innovative Practices <i>Attended by 47 participants from 18 nations.</i>	Director
1998-2001	Project for the Longitudinal Assessment of New Information Technologies (with ILSE in Mexico and Twente in The Netherlands)	Coordinator
1997-1998	Bruce E. Street Visiting Scholar Program	Coordinator

SERVICE TO UNIVERSITY/COLLEGE/DEPARTMENT/PROGRAM & COMMUNITY

University Service

2024	Professional Development Committee Member
2018-19	US – China Smart Learning Conference Advisory Comm.
2016-19	China Advisory Council Committee Member
2015-19	Regents Professor Search Committee Member
2013-18	UNT China Advisory Council
2015-17	UNT Frisco Think Tank Representative
2010-11	STEM Education Search Committee
2004-08	Univ. Learning Technologies Advisory Committee (Appointed by Provost)
2003-05	Electronic Thesis & Dissertation Committee Member (Appointed by Graduate Dean)
2003-08	UNT Distributed Learning Steering Committee (Appointed by Provost)
2002-03	College of Engineering Dean's Search Committee Member (Appointed by Provost)
2002-03	UNT Distributed Learning Steering Committee Member (Appointed by Provost)
1997	Velma Schmidt Early Childhood Education Advisory Council
1993-94	UNT SAC Accreditation Committee on Instructional Technology
1993	SLIS Search Committee for new faculty in Information Science
1992-93	Texas Center for Educational Technology Research Advisory Committee
1991-92	UNT Office of Telecommunications Services, Voice Mail Task Force
1988-90	Texas Research and Development Consortium for Improving Community Colleges
1985-89	NTSU Representative to Federation of North Texas Area Universities (Computer Sciences & Neurosciences Groups)
1983-87	NTSU Computing Council
1983-87	NTSU Computer Planning Committee
1983-84	NTSU Self Study Task Force on Physical Facilities
1981-83	Hawaii Loa Learning Resources Committee
1980-81	St. Louis-Chaminade Administrative Computing Task Force
1979-81	Chaminade University Administrative Computer Advisory Committee, Chair
1977-78	University of Hawaii-East West Center Consultative Committee, U.H.
1977-78	Graduate Student Organization Course Evaluations Committee, U.H.
1977-78	Graduate Student Organization Committee on Committees, U.H.
1976-77	University of Hawaii Foundation Graduate Student Loan Committee
1976-77	Graduate Council Academic Advisory Committee, U.H.
1976-77	Graduate Student Organization Campus Committee, U.H.
1976-77	Chancellor's Alcoholic Beverage Advisory Committee, U.H.
1975-77	Chancellor's Academic Advisory Committee, U.H.
1975-76	Graduate Student Organization Travel Fund Committee, U.H.
1975-76	Graduate Student Organization Program Committee, U.H.
1975-76	Graduate Student Organization Assembly and Council, U.H.

College Service

2016-2017	Research Planning Task Force – Committee Member
2015-2016	College of Information Dean's Search Committee

2012	Conducted Workshop for College of Engineering Research Experiences for Teachers (Fablab) – Leader
2010-12	COI Retention, Promotion, Tenure Committee - Member
2011	Conducted Workshop for College of Engineering Research Experiences for Teachers (MSOSW) - Leader
2011	Accompanied Chinese Dena’s Delegation to Waco, College Station and Dallas for Ed. Visits – Facilitator
2010	Provost Office Visit Presentation, Going Green with IT: A Study of Energy Consumption by Home and School Information Technology Systems in the College of Information at the University of North Texas
2007	College of Education Dean’s Search Committee
2005-06	College Reorganization Task Force Committee Member
2005-06	New Era Teachers Planning Committee Member
2000-02	International Committee – Member
1998-00	International Committee – Chair
1997	International Committee – Member
1996-	College of Education Ad Hoc Distance Education Committee
1995-	College of Education International Committee
1995-	College of Education Library Committee
1990-92	College of Education Faculty Assembly Committee
1989-90	College of Education Graduation Marshall
1989-90	Texas Education Agency Test Development Advisory Committee for the Information Processing Technologies EXCET Examination
1988-93	College of Education Follow up and Evaluation Committee
1987-88	College of Education Human Development Curriculum Revision Committee
1983-Spring	Hawaii Loa Curriculum Committee
1982-Fall	Hawaii Loa Curriculum Committee
1981-Fall	Hawaii Loa Curriculum Committee
1979-81	Chaminade University Instructional Computer Advisory Committee
1975-76	College of Education Student Affairs Committee, U.H.

Department Service

2024-25	Workload Taskforce (Committee Member)
2019-22	Undergraduate Curriculum Committee (Committee Member)
2019-20	Department Chair Search Committee (Chairperson)
2018-21	Executive Committee (Committee Member)
2018-21	Personnel Affairs (Committee Member)
2018-21	Awards Committee (Committee Member)
2018-21	Faculty Mentor
2018-19	Lecturer Search Committee (Chairperson)
2018-19	Assoc. Professor Search Committee (Chairperson)
2017-18	Faculty Search Committee (Committee Member)
2016-19	Personnel Affairs Committee (Committee Member)
2016-17	Executive Committee (Committee Member)
2015-20	Retention, Promotion & Tenure Committee (Chairperson)
2015-17	Retention, Promotion & Tenure Committee (Chairperson)
2014-16	Personnel Affairs Committee (Chairperson)
2014-16	Learning Technologies Executive Committee Member (Chair 2014-2015)
2013	Ph.D. Annual Meeting
2013	Ph.D. Annual Meeting (Student Fab Machines (Presenter)

2012	LTEC Executive Committee (Member)
2012	STEM Research Scientist Search Committee (Member)
2012	Energy Monitoring Workshop for Chinese Guests (Leader)
2012	Accompanied Chinese Guests on Day Visit to Jesuit High School in Dallas (Facilitator)
2011	Digital Fabrication Workshop for Chinese Guests (Leader)
2010	LTEC Department Chair Search Committee (Member)
2010	LTEC Assistant Professor Search Committee (Member)
2007	Assistant Professor I, Assistant Professor II Search Committee Chairs (Appointed)
2005-06	Assoc./Full Professor Search Committee for CECS (Appointed)
2005-06	Assistant Professor Search Committee for CECS (Appointed)
2005-06	Assistant Professor Search Committee for EDER (Appointed)
2003-04	Personnel Affairs Committee (Elected) Chair
2003-04	Promotion and Tenure Committee (Elected) Chair
2003-06	TAC Chairman Search Committee (Appointed) Member
2002	Asst. Professorship Search Committee (Appointed) Member
2002-05	Personnel Affairs Committee (Elected) Member
2002	Fall CECS 5400-Educational Telecommunications (Mentored new instructor)
2002	Fall CECS 5610-Analysis Ed. Technology Research (Mentored new instructor)
2001	Professorship Search Committee (appointed) Co Chair
2001	Personnel Affairs Committee
2001	Co-Chair, Professorship Search Committee
1999	Technology and Cognition Staff Realignment Committee
1997-99	Technology and Cognition Library Committee
1995-99	Technology & Cognition Executive Committee
1995-97	Computer Education Resource Committee (Chair 1995)
1987-92	Computer Education Curriculum Committee (Chair)
1987-89	Computer Education & Cognitive Systems Hardware Resources Committee
1983-87	NTSU Department of Computer Sciences Computer Resources Committee (Chair)
1983-87	NTSU Computer Science Executive Committee, Ex Officio, 1983-1985.

Program Service

2014-2016	Learning Technologies Program Coordinator
2010-2012	CECS 4100 Course Coordination (appointed Custodian)
2003	CECS Doctoral Program Coordinator (appointed)
2002	CECS Doctoral Program Coordinator (appointed)
2001	CECS Doctoral Program Coordinator (appointed)
2001	CECS 4100 Multiple Sections Coordinator (appointed)
2001-2003	CECS Full Professor Search Committee Co-Chair (appointed)
2001-2003	Doctoral Program Coordinator
1998-00	Technology Applications Certificate Coordinator (appointed)

Student/Student Organization Service

2001	Implemented the PT3 Technology Integration Fellows Program.
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Professionally Related Community Service and Involvement

2012	Assisted in hosting four distinguished guest speakers and 1 Fulbright Scholar
2012	Co-hosted Chinese students from Hangzhou, China
2011	Co-hosted Chinese students from Hangzhou, China
2009	Co-Organizer, EDUSummit09 in June 2009 in the Hague, NL; 3-day gathering of International Handbook authors and policy makers to develop fast track calls for action from findings in the 79 chapters of the Handbook (Voogt & Knezek, Editors). This summit was sponsored by BECTA from the UK, Kennisnet from the NL, and ISTE from the USA.
2009	Co-Moderator, 2-hour symposium on research findings from the International Handbook at the World Conference on Computers in Education, Bento Gonçalves, Brazil, July 2009. Presenters were from 6 nations. This conference is held once every 5 years by the International Federation of Information Processing Societies (IFIP). This was the first WCCE held in South America.
2008	Panel Presentation to the European Educational Research Association, Gothenburg, Sweden
2008	Keynote presentation to conference on Education & Communications, Monterrey, MX.
2007	Keynote presentation via video link to Israel consortium of teacher colleges
2002	Participated in PT3 collaborative exchange visit (3 days) to the University of Nevada at Reno
2002	Participated in PT3 collaborative exchange site visit (3 days) to the University of Nebraska-Omaha
2002	Participated in PT3 site visit (3 days) to the University of Maine - Farmington
2002	Hosted PT3 collaborative exchange (3 days with faculty from 4 other universities visiting UNT
2002	Hosted visiting scholars from Hawaii, New Zealand, the Netherlands, Michigan, and Mexico
2001	Hosted visiting scholars from Bulgaria and New Zealand
2000	Hosted visiting scholars from Georgia, Hawaii, and Mexico