Gerald A. Knezek
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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

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 immediate Past President of the Society for Information Technology & Teacher Education (SITE). He was 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 is 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 or teachers (2009-11). His most recent funding in the strand of games and simulations for teaching and learning was serving as Co-PI on the umbrella grant and 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. 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

Year	Degrees	Major	Institution
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

Date	Organization	Location	Rank/Job Title
2008-	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 Summer/Fall/Winter	Casa Grande University	Guayaquil, Ecuador	Visiting Scholar
1994-Summer	National Center for Univ. Entrance Examinations	Tokyo, Japan	Visiting Scholar
1993-Fall	University of Hawaii	Honolulu, Hawaii	Visiting Scholar

1993-Summer	Tokyo Institute of Technology	Tokyo, Japan	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 Dresdan Plan	New Hampshire	Teaching Intern

Administrative Appointments

2013	College of Information Augmentation Task Force Committee	College of Education, 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)

Christensen, R., Knezek, G. and Tyler-Wood, T. (2014). Student perceptions of science, technology, engineering, and mathematics (STEM) content and careers. *Computers in Human Behavior 34*(C), 173-186. DOI: 10.1016/j.chb.2014.01.046.

Tyler-Wood, T., Knezek, G., Christensen, R., Morales, C., & Dunn-Rankin, P. (2014). Scaling three versions of the Stanford-Binet Intelligence Test: Examining ceiling effects for identifying giftedness. *Educational Research 5*(2), 42-51.

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.

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.

Lai, K.W., Khaddage, F., & Knezek, G. (2 (2013). Blending student technology experiences in formal and informal learning. *Journal of Computer Assisted Learning, 29*(5), 414-425.

Voogt, J. & Knezek, G., Cox M., Knezek, D, & ten Brummelhuis, A. (2013). Under which conditions does ICT have a positive effect on teaching and learning? A Call to Action. *Journal of Computer Assisted Learning.* 29(1), 4-14.

Knezek, G. & Khaddage, F. (2012). Bridging Formal and Informal Learning: A Mobile Learning Attitude Scale for Higher Education. *British Journal of Social Sciences, 1*(2), 101-116. http://www.bjss.baar.org.uk/current-issue.html

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.

Knezek, G., Christensen, R., & Tyler-Wood, T. (2011). Contrasting perceptions of STEM content and careers. *Contemporary Issues in Technology and Teacher Education* 1(1). Retrieved from http://www.citejournal.org/vol11/iss1/general/article1.cfm

Shattuck, D., Corbell, K. A., Osbourne, J., Knezek, G., Christensen, R., Grable, L. L. (2011). Measuring teacher attitudes toward instructional technology: A confirmatory factor analysis of the TAC and TAT. *Computers in the Schools,* 28(4), 291-315.

Voogt, J. & Knezek, G., Cox M., Knezek, D, and ten Brummelhuis, A. (2011). Under which conditions does ICT have a positive effect on teaching and learning? A Call to Action. *Journal of Computer Assisted Learning.* 29(1), 4-14. doi: 10.1111/j.1365-2729.2011.00453.

Tyler-Wood, T.L. Knezek, G., & Christensen, R. (2010). Instruments for Assessing Interest in STEM Content and Careers, *Journal of Technology and Teacher Education*, 18(2), 341-363.

Bull, G., Knezek, G., & Gibson, D. (2009). Editorial: A Rationale for Incorporating Engineering Education Into the Teacher Education Curriculum. Contemporary Issues in Technology and Teacher Education, 9(3), 222-225. AACE.

Christensen, R. W., & Knezek, G. A. (2009). Construct validity for the Teachers' Attitudes Toward Computers Questionnaire. *Journal of Computing in Teacher Education, 25(4)*, 143-155.

Knezek, G., & Christensen, R. (2009). Preservice educator learning in a simulated teaching environment. In *Research highlights in technology and teacher education* (Cleborne D. Maddux, Ed.), Society for Information Technology & Teacher Education, 161-170.

Knezek, G., & Christensen, R. (2008). Effect of technology-based reading programs on first and second grade achievement. *Computers in the Schools, 24(3)*, 23-41.

Knezek, G., & Christensen, R. (2008). The importance of information technology attitudes and competencies in primary and secondary education. In *International Handbook of Information Technology in Primary and Secondary Education*, 321-328.

Christensen, R. & Knezek, G. (2008). Self report measures and findings for information technology attitudes and competencies. In *International Handbook of Information Technology in Primary and Secondary Education*, 349-359.

Morales, C., Knezek, G. & Christensen, R. (2008). Self-efficacy ratings of technology proficiency among teachers in Mexico and Texas. *Computers in the Schools, 25(1/2)*, 126-144.

Hancock, R., Knezek, G., & Christensen, R. (2007). Cross-Validating Measures of Technology Integration: A First Step Toward Examining Potential Relationships Between Technology Integration and Student Achievement. *Journal of Computing in Teacher Education, 24(1),* 15-21.

Christensen, R. & Knezek, G. (2007). Pathways for preparing tomorrow's teachers to infuse technology. *Computers in the Schools, 23(3-4),* 1-21.

Jones, J. G., Hancock, R., Kalinowski, K. E., Overall, T., & Knezek, G. A. (2007). A virtual

school environment for enhancing college preparation among high potential rural students. *School Leadership Review, 3(1),* 23-41.

Christensen, R., Overall, T., Knezek, G. (2006). Personal educational tools (PETs) for Type II Learning. *Computers in the Schools, 23(1)*, 173-189.

Knezek, G., Christensen, R., Bell, L. & Bull, G. (2006). Identifying Key Research Issues. *Learning and Leading with Technology, 33*(8), 23-29.

Jones, J., Morales, C., & Knezek, G. (2005). 3-Dimensional online learning environments: Examining attitudes toward information technology between students in Internet-based 3- dimensional and face-to-face classroom instruction. *Educational Media International, 42(3*), 219-236.

Christensen, R., Knezek, G., & Overall, T.(2005). Transition points for the gender gap in computer enjoyment. *Journal of Research on Technology in Education, 38(1), 23-37.*

Owen, A., Farsi, S., Knezek, G**.,** & Christensen, R. (2005). Teaching in the one-to-one classroom. *Learning and Leading with Technology, 33(4), 12-16.*

Muir, M., Knezek, G., & Christensen, R. (2004). The power of one to one: Early findings from the Maine Learning Technology Initiative. *Learning and Leading with Technology, 32(3), 6-11.*

Roblyer, M.D., & Knezek, G. A. (2003). New Millennium Research for educational technology: A call for a national research agenda. *Journal of Research on Technology in Education, 36*(1). 60-71.

Christensen, R., & Knezek, G**.** (2002). Instruments for Assessing the Impact of Technology in Education. In Assessment/Evaluation in Educational Information Technology, *Computers in the Schools, 18*(2/3/4), 5-25.

Knezek, G., & Christensen, R. (2002). Impact of new information technologies on teachers and students. *Education and Information Technologies (NL), 7*(4), 369-376.

Hopson, M., Simms, R., & Knezek, G. (2001-2002, Winter). Effects of a technology enriched learning environment on student development of higher order thinking skills. *Journal of Research on Computing in Education, 34*(2), 109-119.

Christensen, R. & Knezek, G. (2001). Profiling teacher stages of adoption for technology integration. *Computers in New Zealand Schools, 13*(3), 25-29.

Christensen, R. & Knezek, G. (2001). Strategies for Integrating Technology into the Classroom. *Tecnologia y Comunicacion Educativas, 33*, ILCE-Mex. Enero-Junio 2001, pp. 29-38.

Morales, C., Knezek, G., Christensen, R., & Avila, P. (2001). Impact of new technologies on teaching and learning. *Technologia y Comunicacion Educativas, 14*(32), 36-43.

Knezek, G., Muta, H., Voogt, J., Christensen, R., Moore, D., Southworth, J., Tada, M., &

Jones, G. (2000). Information and communication technologies in hands-on science: Emerging trends across three nations. *Journal of Computers in Mathematics and Science Teaching, 19*(3), 277-295.

Norris, C. A., Soloway, E., Knezek, G., Topp, N. W., Young, J., & Box, K. L. (2000). Snapshot survey: What do your administrators and teachers really need? *Electronic School: The School Technology Authority, 187*(6), 32-34.

Christensen, R. & Knezek, G. (1999). Stages of adoption for technology in education. *Computers in New Zealand Schools, 11*(3), 25-29.

Knezek, G., Wallace, S., & Dunn-Rankin, P. (1998). Accuracy of Kendall's Chi-Square Approximation to circular triad distributions. *Psychometrika, 63*(1), 23-34.

Christensen, R., & Knezek, G. (1997). Global interactions among elementary school classrooms: The air and water projects. *Telecommunications in Education, 7*(4), 17-22.

Swain, C., Mortensen, M., Young, J., Knezek, G., & Schlieve, P. (1996). Training facilitators: A needed commodity. *The Texas Technology Connection, 3*(1), 19-24

Knezek, G., Miyashita, K., Jones, G., & Bills, A. (1993). American pedagogy, Japanese cultural expertise: A hybrid distance learning model for teaching Japanese to Americans. *Japanese Language Education Around the Globe, 4*(16), 63-71.

Knezek, G. A., Miyashita, K. T., & Sakamoto, T. (1993). Cross-cultural similarities in attitudes toward computers and the implications for teacher education. [Netherlands]. *Journal of Information Technology for Teacher Education, 2*(2), 193-204.

Papa, F., Young, J., Knezek, G., & Bourdage, R. (1993). A differential diagnostic skills assessment and tutorial tool. [Scotland]. *Computers and Education, 18*(1-3), 45-50.

Gelphman, J. L., Knezek, G. A., & Horn, C. E. (1992). The Topological Panorama Camera: A new tool for teaching concepts related to space and time. *Journal of Computers in Mathematics and Science Teaching, 11*(1), 19-29.

Miyashita, K., & Knezek, G. A. (1992). The Young Children's Computer Inventory: A Likert scale for assessing attitudes related to computers in instruction. *Journal of Computing in Childhood Education, 3*(1), 63-72.

Poirot, J. L., & Knezek, G. A. (1992). Experimental designs for determining the effectiveness of technology in education. *The Computing Teacher, 20*(3), 8-9.

Henson, K. L., & Knezek, G. A. (1991). The use of prototyping for educational software development. *Journal of Research on Computing in Education, 24*(2), 230-239.

Knezek, G., & Miyashita, K. (1991). Computer-related attitudes of primary school students in Japan and the United States. [Japan]. *Journal of Educational Technology Research, 14,* 17-23.

Lomerson, W. L., & Knezek, G. A. (1991). Teacher benefit: The critical design criterion for computer managed instruction. *Educational Technology, 31*(8), 17-23.

Wallace, F., Layne, J., Flanery, M., & Knezek, G. A. (1991). The effect of subliminal help presentations on learning a text editor. [Great Britain]. *Information Processing & Management, 27*(2/3), 211-218.

Knezek, G. A. (1990). Intelligent tutoring systems and ICAI. In *Computer Studies: Computers in Education* (pp. 225-227). Guilford, CT: The Dushkin Publishing Group, Inc. (Republication from March 1988 Computing Teacher).

Norris, C. A., Poirot, J. L., & Knezek, G. A. (1990). Classroom attrition in computer science. *Computer Science Education, 1*(4), 299-315.

Young, J., & Knezek, G. (1990). Authoring tools. *Computers in the Schools, 6*(3/4), 165-173.

Knezek, G. A., & Jones, J. G. (1989). Electronic mail: One step in the evolution of educational telecommunications. *Educational Resources and Techniques, 28*(1), 5-8.

Knezek, G. A. (1988). Intelligent tutoring systems and ICAI. *The Computing Teacher, 15*(6), 11-13.
Knezek, G. A., Rachlin, S., & Scannell, P. (1988). A taxonomy for educational computing. *Educational Technology, 28*(3), 15-19.

Southworth, J. H., Flanigan, J. M., & Knezek, G. A. (1981, March). Computers in education: International multi-node electronic conferencing. Honolulu, HI: *The Printout,* 8-13.

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.

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. In R. McBride & M. Searson (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2013 (pp. 2269-2272). Chesapeake, VA: AACE.

Knezek, G., & Christensen, R. (2009). Preservice educator learning in a simulated teaching environment. in *Research highlights in technology and teacher education* (Cleborne D. Maddux, Ed.), Society for Information Technology & Teacher Education, 161-170.

Knezek, G. & Christensen, R. (2001). Impact of new information technologies on teachers and students. In *Networking the Learner.* (pp. 169-178). Amsterdam: Kluwer. (Selected for publication from papers presented at the 7th World Conference on Computers in Education, Copenhagen, Denmark, July 2001.)

Jones, G., & Knezek, G. (1995). Categorizing distance learning systems: Discovering successful ingredients. In J. D. Tinsley & T. J. van Weert (Eds.), *World Conference on*

Computers in Education VI: Liberating the learner (pp. 243-249). London: Chapman & Hall. (Selected for publication from papers presented at the 6th World Conference on Computers in Education, Birmingham, England, July 1995.)

Knezek, G. A., Miyashita, K. T., & Sakamoto, T. (1995). Findings from the Young Children's Computer Inventory Project. In J. D. Tinsley & T. J. van Weert (Eds.), *World Conference on Computers in Education VI: Liberating the learner.* (pp. 909-920). London: Chapman & Hall. (Selected for publication from papers presented at the 6th World Conference on Computers in Education, Birmingham, UK, July 1995.)

Knezek, G. (1992). Direct screen manipulation. In G. Bitter (Ed.), *Macmillan encyclopedia of computers* (pp. 301-307). New York: Macmillan. (Encyclopedia article commissioned by publisher and reviewed by 3 editors.)

Knezek, G., & Miyashita, K. (1991). Computer-related attitudes of primary school students in Japan and the U.S.A.: First year longitudinal results. In B. Collis (Ed.), *The ITEC Project: Final Report of Phase 1* (pp. 5.3 52-59). (Selected for publication from papers presented at the 4th International Conference for Children in the Information Age, Albena, Bulgaria, May 1991.)

Kingan, S., Flanigan, J., Knezek, G., & Southworth, J. (1990). The Applications Technology Satellite Networks: Twenty years of distance education in the Pacific Basin. In A. McDowell & C. McDougal (Eds.), *Computers in Education* (pp. 989-996). North-Holland: Elsevier. (Selected for publication from papers presented at the 5th World Conference on Computers in Education, Sydney, Australia, July 1990.)

Knezek, G. A., Miyashita, K., & Sakamoto, T. (1990). Computers in education: Japan vs. the United States. In A. McDowell & C. McDougal (Eds.)*, Computers in Education* (pp. 775-780). North-Holland: Elsevier. (Selected for publication from papers presented at the 5th World Conference on Computers in Education, Sydney, Australia, July 1990.)

Sharp, D. D., Jr., & Knezek, G. A. (1985). Faculty workstations: A new kind of computing. In K. Duncan & D. Harris (Eds.), *Computers in Education 1985* (pp. 479-482). North-Holland: Elsevier. (Selected for publication from papers presented at the 4th World Conference on Computers in Education, Norfolk, Virginia, July 1985.)

Knezek, G. A. (1981). Access to specialized resources for teaching and research in a small university environment. In D. Mebane (Ed.), *Solving College and University Problems Through Technology* (pp. 281-284). Princeton, NJ: EDUCOM. (Selected for publication from papers presented at the EDUCOM Annual Conference, Atlanta, GA, October 1980.)

Refereed Articles (In Press)

International

Tyler-Wood, T., Estes, M., Christensen, R., Knezek, G., & Gibson, D. (Accepted for 2014 special edition). SimSchool: An Opportunity for Using Serious Gaming for Training Teachers in Rural Areas. Rural Special Education Quarterly.

Refereed Articles (Under Review)

Knezek, G., Christensen, R., Tyler-Wood, T. & Gibson, D. (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*.

Christensen, R., Knezek, G., Tyler-Wood, T. & Gibson, D. (under review). Longitudinal Analysis of Cognitive Constructs Fostered by STEM Activities in Middle School Students. *Knowledge Management and Learning*.

Alexander, C., Knezek, G., Christensen, R., Tyler-Wood, T. & Bull, G. (under review). The impact project-based learning on preservice teachers' attitudes and skills.. *Journal of Computers in Mathematics and Science Teaching*.

Alexander, C., Knezek, G., Christensen, R., & Tyler-Wood, T. (under review). Piloting Innovative Learning Experiences: Measuring Outcomes of Digital Fabrication Activities across Five Classrooms. *Electronic Journal of Science Education*.

Periathiruvadi, S., Knezek, G., Tyler-Wood, T. & Christensen, R. (under review). Influence of middle school students' science, mathematics, technology and engineering dispositions on their STEM career interests. *Journal of Science Education and Technology*.

Christensen, R., Knezek, G., Tyler-Wood, T. (under review). Influences on STEM Career Interest Among Mathematics and Science Academy Students: A Retrospective Analysis. *Journal of STEM Education.*

Lai, K.W., Khaddage, F., Knezek, G., Baker, R., Christensen, R., Norris, C., Quinn, B., Soloway, E., Wadmany, R. (under review). Towards a framework of criteria for identifying best practices and models of mobile learning. *Education and Information Technologies*.

Non-Refereed (Invited) Articles (Published)

Bull, G., Gerald, K. & Gibson, D. (2009). Editorial: A Rationale for Incorporating Engineering Education Into the Teacher Education Curriculum. Contemporary Issues in Technology and Teacher Education, 9(3), 222-225. AACE. Retrieved from http://www.editlib.org/p/32411. (invited by editor)

Bay-Williams, J.M. & Knezek, G. (2008). The AMTE – SITE Collaborative Partnership. Contemporary Issues in Technology and Teacher Education, 8(1), 1-5. AACE. Retrieved from http://www.editlib.org/p/28314. (invited by editor)

Bull, G., Park, J., Searson, M., Thompson, A., Mishra, P., Koehler, M.J. & Knezek, G. (2007). Editorial: Developing Technology Policies for Effective Classroom Practice. Contemporary Issues in Technology and Teacher Education, 7(3), 129-139. AACE. Retrieved from http://www.editlib.org/p/26276. (invited by editor)

Bull, G., Bell, L., Thompson, A., Schrum, L., Sprague, D., Maddux, C., Dawson, K. &

Knezek, G. (2006). An Invitation to Join an Early Career Mentoring Network in Technology and Teacher Education. Contemporary Issues in Technology and Teacher Education, 6(1), 1-10. AACE.   Retrieved from http://www.editlib.org/p/22836. (invited by editor)

Bull, G., Bell, L., Thompson, A., Schrum, L., Sprague, D., Maddux, C., Dawson, K. & Knezek, G. (2006). An Invitation to Join an Early Career Mentoring Network in Technology and Teacher Education. Journal of Technology and Teacher Education, 14(4), 817-828. Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/22978. (invited by editor)

Knezek, G., & Christensen, R. (1997). Global interactions among elementary school classrooms: The air and water projects. In *Website International Buyer's Guide*. London: Kensington Publications. (invited by publisher)

Jones, G., & Knezek, G. (1994). Ingredients for successful distance education. *New Technologies, 2*(2), 6-8. (invited by editor)

Lucas, L., Jones, G., & Knezek, G. (1992). Using packet radio in the classroom. *The TechEdge*, pp. 2-5. (invited by editor)

Knezek, G., & Hockley, D. (1990, June). Project EASI: Eliminating access barriers for disabled users of information technology. Iowa State University: *Clearinghouse for Academic Software Newsletter*, 6-8. (invited by federal initiative directors)

Jones, G., Saengrussamee, D., & Knezek, G. (1989, February). R95 - Utility for transferring 8-bit data across the amateur network. *Texas Packet Radio Society Quarterly Report, 5*(3), 1-4. (invited by editor)

Knezek, G., Schlieve, P., Saengrussamee, D., Harrison, J., & Scannell, P. (1989). The NECC '88 InfoSystem. *Wheels for the Mind, 5*(2), 73-76. (recommended by John Sculley, Apple CEO; invited by publisher)

Knezek, G. A., Abel, J., & Gordon, C. (1982, Summer) Micros, minis, and EDUNET at Hawaii Loa College. *EDUNET News,* (24). (invited by federal initiative director)

Knezek, G. A. (1981, December). Computers: An expanding part of Hawaii Loa. Honolulu, HI: *The Printout, 3*(2). (invited by editor)

Knezek, G. A., & McGuigan, J. B. (1980, Summer). EDUNET at Chaminade. In The EDUNET Experience: User's Views at Chaminade, Cornell, Delaware, Hamilton and Mills. *EDUCOM Bulletin, 15*(2). (invited by association director)

Knezek, G. A., & Southworth, J. H. (1980, Summer). Resource review: Hawaiians look into EIES (Electronic Information Exchange System). *EDUNET News*, (16). (editor invited)

Chapters (Published)

Knezek, G. & Christensen, R. (2014). Tools for Analyzing Quantitative Data. In *Handbook of Research on Educational Communications and Technology* (pp. 203-220). Springer

New York.

Christensen, R. & Knezek, G. (2014). Measuring Technology Readiness and Skills. *In Handbook of Research on Educational Communications and Technology* (pp. 829-840). Springer New York.

Khaddage, F., & Knezek, G. (2012). Convert your thinking! Creativity and imagination using mobile applications. In *eLearning in Action 1* (S. Dowling, Editor). Dubai: Sharjah Higher Colleges of Technology.

Knezek, G., & Christensen, R. (2008). The importance of information technology attitudes and competencies in primary and secondary education. In *International Handbook of Information Technology in Primary and Secondary Education* (pp. 321-328). Springer New York.

Christensen, R. & Knezek, G. (2008). Self report measures and findings for information technology attitudes and competencies. In *International Handbook of Information Technology in Primary and Secondary Education* (pp. 349-359). Springer New York.

Voogt, J., & Knezek, G. (2008). IT in primary and secondary education: Emerging issues. In *International Handbook of Information Technology in Primary and Secondary Education* (pp. xxix-xlii). Springer New York.

Voogt, J., & Knezek, G. (2008). Preface. In *International Handbook of Information Technology in Primary and Secondary Education* (pp. xvii-xviii). Springer New York.

Christensen, R., Parker, D., & Knezek, G. (2005). Advances In Preservice Educator Competence And Confidence In Technology Integration: Comparative Findings From Two Pt3 Projects. In *Integrated technologies, innovative learning: Insights from the PT3 Program* (S. Rhine & M. Bailey (Eds). Eugene, OR: ISTE.

Christensen, R., & Knezek, G. (2001). Profiles of teacher attitudes for progressive stages of technology integration. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 97-108). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Christensen, R., & Knezek, G. (2001). Stages of adoption as a measure of technology integration. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 11-22). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Christensen, R., & Knezek, G. (2001). The technology in education competency survey (TECS): A standards-based self-appraisal instrument. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 23-28). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Fluke, R., Knezek, G., & Christensen, R. (2001). Reconfirmation of the association between the Young Children's Computer Inventory (YCCI) and the Computer Attitude Questionnaire (CAQ). In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.).

Users' views of new information technologies in education: Studies from multiple nations (pp. 29-41). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Knezek, G., & Christensen, R. (2001). Impact of new information technologies on teachers and students. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 245-254). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Knezek, G., & Christensen, R. (2001). Technology-related skills and attitudes among elementary and secondary education students in Texas. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 147-186). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Knezek, G., Christensen, R., & Fluke, R. (2001). A longitudinal study of student attitudes and attributes related to computers and education, 1991-2000. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.). *Users' views of new information technologies in education: Studies from multiple nations* (pp. 215-232). Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Overall, T., Morales, C., & Knezek, G. (2001). Analysis of paired comparison data in information technology surveys. In C. Morales, G. Knezek, R. Christensen, & P. Avila, (Eds.).*Users' views of new information technologies in education: Studies from multiple nations* (pp. 43-53). Mexico City: ILCE.

Christensen, R., & Knezek, G. (2000). Global classrooms: The air and water projects. In *Classroom Connect*. Lancaster, PA: Wentworth Worldwide Media, Inc.

Collis, B., & Knezek, G. (1997). From research into practice: Telecommunications in educational settings. In B. Collis and G. Knezek (Eds.), *Teaching and Learning in the Digital Age: Research into Practice with Telecommunications in Educational Settings* (pp. 1-7). Eugene, Oregon: International Society for Technology in Education and Denton, TX: Texas Center for Educational Technology.

Knezek, G. A., Jones, G., & Brumbaugh, K. (1991). *TENET User Training Guide. In TENET Guide Part I*. [76 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G. A. (1980, October). Access to specialized computing resources in a small university environment. In D. Mebane (Ed.), *Solving College and University Problems Through Technology* (pp. 281-284). Princeton, NJ: EDUCOM. (Also presented at the EDUCOM Fall Conference, Atlanta, GA.)

Knezek, G. A. (1977). Evaluations at Nalo. In M. Ezer & N. F. Young (Eds.), *Nalo: An Alternative Education Program*. Waimanalo, HI: General Assistance Center for the Pacific.

Chapters (In Press)

Knezek, G. A. (in press). Assessment of Attitudes and Predispositions. In *Encyclopedia of*

Educational Technology (J. M. Spector, Editor). Sage Publications.

Christensen, R. & Knezek, G. (in press). Reconceptualizing a middle school science curriculum based on the 21st century skills. In *Full Steam Ahead: Emerging Technologies for STEAM* (Ge, Ifenthanler, & Spector, Eds.) Series Title: EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY: ISSUES AND INNOVATIONS.

Merrit, J., Gibson, D., Christensen, R., & Knezek, G. SimSchool versus Second Life for preservice teacher training (invited chapter, in press). in *E-Learning Systems, Environments and Approaches: Theory and Implementation (Isaias, Spector, Ifenthaler, and Sampson, Eds.).* NY: Springer.

Books (Published)

Gibson, D., Knezek, G., Redmond, P. & Bradley, E. (Eds.) (2014). *Handbook of Games and Simulations in Teacher Education*. Charlottesville, VA: AACE & AACTE. Interactive book of 200 panels and embedded objects including pop up examples, video clips and hyperlinks assembled for downloading as an App to tablet computers.

Voogt, Y. & Knezek, G. (Eds.) (2008). *International Handbook of Information Technology in Primary and Secondary Education*. NL: Springer Verlag, 1178 pages, 136 contributors from 23 nations.

Morales, C., Knezek, G., Christensen, R., & Avila, P. (Eds.). (2005). *The will, skill, tool model of technology integration. A conceptual approach to teaching and learning with technology*. Mexico City, Mexico: Instituto Latinoamericano de la Comunicacion Educativa.

Dunn-Rankin, P., Knezek, G., Wallace, S., & Zhang, S. (2004). Scaling methods (2nd ed.). Mahwah, NJ: Lawrence Erlbaum.

Christensen, R., & Knezek, G. (2001). *Equity and diversity in K-12 applications of information technology: Key instructional design strategies (KIDS) project findings for 2000-2001, Year Two Report.* Denton, TX: Institute for the Integration of Technology into Teaching and Learning (IITTL).

Morales, C., Knezek, G., Christensen, R., & Avila, P. (2001). *Users Views of New Information Technologies in Education: Studies from Multiple Nations*. Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Knezek, G., & Christensen, R. (2000). *Refining best teaching practices for technology integration: KIDS project findings for 1999-2000.* Denton, TX: Institute for the Integration of Technology into Teaching and Learning (IITTL).

Knezek, G., Christensen, R., Miyashita, K., & Ropp, M. (2000). *Instruments for assessing educator progress in technology integration.* Denton, TX: Institute for the Integration of Technology into Teaching and Learning (IITTL).

Morales, C., Knezek, G., Christensen, R., & Avila, P. (2000). *Impact of new technologies on*

teaching and learning. Mexico City: Instituto Latinoamericano de la Comunicacion Educativa (ILCE).

Collis, B., & Knezek, G. (Eds.). (1997). *Teaching and Learning in the Digital Age.* [230 pages] Eugene, Oregon: International Society for Technology in Education and Denton, TX: Texas Center for Educational Technology.

Knezek, G., Christensen, R., Rodgers, B., Hubbard, G., Canaday, K., & Kahan, K. (1997). *Technology Applications Companion (K-12).* Denton, TX: Texas Center for Educational Technology.

Collis, B., Knezek, G., Lai, K., Miyashita, K., Pelgrum, W., Plomp, T., & Sakamoto, T. (1996). *Children and computers in school.* Mahwah, NJ: Lawrence Erlbaum.

Knezek, G. A., Norris, C., & Poirot, J. (1990). *The Smart Primer V 3.01.* [290 pages]. Dubuque, Iowa: W. C. Brown.

Knezek, G. A., Norris, C., & Poirot, J. (1988*). The Smart Primer.* [276 pages]. Dubuque, Iowa: W. C. Brown.

Knezek, G. A. (1980). *An Introduction to Educational Psychology.* [132 pages]. Honolulu: University of Hawaii.

Software and Audio/Visual Products (Published)

Knezek, G., Christensen, R., & Miyashita, K. (2000). *Instruments for Assessing Attitudes toward Information Technology, (2nd ed.).* [Online]. Denton, Texas: Institute for the Integration of Technology into Teaching and Learning. (IITTL). (Available: http://www.iittl.unt.edu/iittl/instruments/index.htm)

Knezek, G., Christensen, R., and Miyashita, K. (1998). *Instruments for Assessing Attitudes Toward Information Technology* [Online]. Denton, Texas: Texas Center for Educational Technology. (Available: http://www.tcet.unt.edu/research/)

Lucas, L., Box, K., Knezek, G., Rodgers, B., Poirot, J., & Smolka, J. (1997). *START.* [CD-ROM]. [3000 links, 680 files]. Denton, TX: Texas Center for Educational Technology.

Retzlaff, D., Poirot, J. L., Schlieve, P., & Knezek, G. (1984). *BASIC Tutorial for the IBM PC and PCjr.* Austin, TX: Sterling Swift.

Published Technical Reports and Monographs

Technical Reports

Resta, P., Searson, M., Patru, M., Knezek, G., & Voogt, J. (Eds.) (2012). Building a Global Community of Policy-makers, Researchers and Teachers to Move Education Systems into the Digital Age. EduSummIT (International Summit on ICT in Education) 2011 Summary Report. Paris: UNESCO, 21 pages. (distributed internationally)

Carroll, T., Resta, P., Goldman, H., Hamiltion, K., Howell, R., Knezek, G., & McLaughlin,

R. (2010). Redefining Teacher Education for Digital Age Learners. Austin, Texas: National Commission on Teaching and America's Future. (18 page color report based on Austin Invitational Summit findings Dec. 2009 and Washington DC Writing Summit June 2010; distributed nationally)

Knezek, G., & Christensen, R. (2001). Rhodes Technology Academy Ed. Tech. Pilot Project. Denton, TX: Institute for the Integration of Technology into Teaching and Learning.

Knezek, G. & Christensen, R. (1998, May). Attitudes Toward Information Technology Among Teachers at Six Texas Middle Schools. [Tech Rep. 98.2]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Christensen, R. (1997, October). *Attitudes Toward Information Technology at Two Parochial Schools in North Texas.* [Tech. Rep. 97.2]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Christensen, R. (1997, July). *Internal Consistency Reliability for the Teachers' Attitudes Toward Information Technology.* [Tech. Rep. 97.1]. Denton, TX: Texas Center for Educational Technology.

Knezek, G. & Christensen, R. (1996). *Changes in Teacher Attitudes During Technology Training Sessions.* [32 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Christensen, R. (1995). *A Comparison of Two Computer Curricular Programs at a Texas Junior High School Using the Computer Attitude Questionnaire (CAQ).* [6 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Jones, G. (1993, January). *PEACESAT Prospects for Education.* [15 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., Miyashita, K., Jones, G., & Bills, A. (1992, January). *Learner Attitudes Among Primary School Computer Users: 1991 Texas Survey Results.* [13 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G., & Jones, G. (1990, November). *Augmenting Satellite-Based Distance Education Through Video Capture Technology: A Preliminary Research Report.* [17 pages]. Denton, TX: Texas Center for Educational Technology.

Abel, J. A., & Knezek, G. A. (1986, December). *Binary to Text File Conversion Using Radix 95* [Tech. Rep.]. Denton, TX: North Texas State University, Department of Computer Science.

Knezek, G. (1986, February). *Network Evaluation: 3COM Ethernet Running Netware/E.* [Tech. Rep.]. Denton, TX: NTSU Campus Circulation.

Knezek, G. (1985, December). *Network Evaluation: NBI System 64es Running MultiNet.* [Tech. Rep.]. Denton, TX: NTSU Campus Circulation.

Knezek, G. (1985, November). *Network Evaluation: Ungermann-Bass Broadband Running MS-Net.* [Tech. Rep.]. Denton, TX: NTSU Campus Circulation.

Knezek, G. (1985, October*). Network Evaluation: IBM Broadband Running IBM's PC Net.* [Tech. Rep.]. Denton, TX: NTSU Campus Circulation.

Knezek, G. (1985, July). *Network Evaluation: 3M Broadband Running Novell Netware.* [Tech. Rep.]. Denton, TX: NTSU Campus Circulation.

Monographs

Christensen, R., & Knezek, G. (2001). Instruments for Assessing the Impact of Technology in Education. In *Assessment/Evaluation in Educational Information Technology, Computers in the Schools, 18*(2/3/4).

Knezek, G. A., Miyashita , K. T., & Sakamoto, T. (1994). *Young Children's Computer Inventory Final Report.* [74 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G. A., Miyashita, K. T., Lai, M., Sakamoto, T., Southworth, J. H., & Sakamoto, A. (1994). *Studies on Children and Computers: The l993-94 Fulbright Series*. [148 pages]. Denton, TX: Texas Center for Educational Technology.

Christensen, R., Clayton, G., Campbell, N., & Knezek, G. (1994). *Air: A Curriculum and Technology Infusion Guide.* [35 pages]. Denton, TX: Texas Center for Educational Technology.

Christensen, R., Clayton, G., Campbell, N., & Knezek, G. (1994). *Water: A Curriculum and Technology Infusion Guide.* [40 pages]. Denton, TX: Texas Center for Educational Technology.

Knezek, G. A., & Miyashita, K. T. (1993). *Handbook for The Young Children's Computer Inventory.* [53 pages]. Denton, TX, Texas Center for Educational Technology.

Kramer, K., Peterson, N., Berliss, J., Brill, J., Brown, C., Brummel, S., Gabbert, D., Hockley, D., Hilton-Chalfen, D., Horn, C., Knezek, G., Mitchell, W., Murphy, H., & Phillips, S. (1991, October). *Computers and Students with Disabilities: New Challenges for Higher Education* (2nd ed.). [29 pages]. Washington, DC: EDUCOM.

Kramer, K., Peterson, N., Berliss, J., Brill, J., Brown, C., Brummel, S., Hockley, D., Horn, C., Knezek, G., Mitchell, W., & Murphy, H. (1989). *Computers and Students with Disabilities: New Challenges for Higher Education.* [18 pages]. Princeton, NJ: EDUCOM.

Published Book Reviews

Maddux, C., Ewing-Taylor, J., & Johnson, L. (Eds.). (2003). *Distance education: Issues and concerns.* Binghamton, NY: The Haworth Press, Inc.

Abstracts and Proceedings of Professional Presentations (Refereed)

Note: All SITE conference proceedings have been double-blind reviewed by at least three

readers. All other AACE proceedings are reviewed by at least two readers and typically three. Reported acceptance rate for AACE conferences is 25-39 percent. Annuals are print volumes containing refereed papers extracted from the conference proceedings, the latter of which are typically distributed on CD-ROM.

Christensen, R. & Knezek, G. (2013). Contrasts in Student Perceptions of STEM Content and Careers. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 2048-2053). Chesapeake, VA: AACE.

Gibson, D., Kruse, S., Knezek, G., Tyler-Wood, T., Christensen, R. & Hopper, S. (2013). simSchool's Progress: The SITE simSchool Modules Project. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 1315-1323). Chesapeake, VA: AACE.

Hopper, S., Knezek, G. & Christensen, R. (2013). Assessing Alignment of Pedagogical Experience and Confidence in a Simulated Classroom Environment. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 2870-2876).

Khaddage, F., & Knezek, G. (2013). iLearn via mobile technology: A comparison of mobile learning attitudes among university students in two nations. NEED INFO The 13th IEEE International Conference on Advanced Learning Technologies, Beijing, China, July 2013.

Khaddage, F., & Knezek, G. (2013). Introducing a mobile learning attitude scale for higher education. *Proceedings of the 10th World Conference on Computers in Education.* (Selected for publication from papers presented at the 10th World Conference on Computers in Education, Torun, Poland, July, 2013.)

Khaddage, F., Knezek, G. & Rosen, D. (2013). The Teacher Education Evolution: The Shift from Online to Mobile Learning in Curriculum, Assessment and Delivery. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 3936-3942).

Miller, J. & Knezek, G. (2013). STEAM for Student Engagement. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 3288-3298).

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. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 2269-2272).

Voogt, J., Knezek, G., Albion, P., Cox, M., Davis, N., Eickelmann, B., Gibson, D., Khaddage, F., Lai, K-W., Mishra, P., Niederhauser, D., Raffaghelli, J., Twining, P., & Webb, M. (2013). Building a global community of policy-makers, researchers, and teachers to move education into the digital age. *Proceedings of the 10th World*

Conference on Computers in Education. (Selected for publication from papers presented at the 10th World Conference on Computers in Education, Torun, Poland, July 2013.)

Alexander, C., Mayes, G., Hopper, S., Thiruvadi, S. & Knezek, G. (2012). An Investigation of the Impact of Digital Fabrication Projects on Pre-Service Teachers' Attitudes and Skills. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 1025-1032). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39711.

Fisser, P., Voogt, J., Agyei, D., Kafyulilo, A., Alayyar, G., Schmidt-Crawford, D., Thompson, A., Gibson, D., Knezek, G. & Tondeur, J. (2012). Developing TPACK around the world: Probing the framework even as we apply it. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 1129-1131). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39729.

Gibson, D., Osterweil, S., Zintgraff, C., Fisser, P., Knezek, G. (2012). Next Generation Learning Challenges EDUCAUSE Winners Panel. Panel presentation to the Association for the Advancement of Computing in Education, Austin, TX, March 5-9, 2012.

Gibson, D., Redmond, P., Knezek, G., Donaldson, A. & Anderson, C. (2012). Integrating Digital Games and Simulations Into Teacher Education. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 1141-1142). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39732

Khaddage, D.F., Baker, R. & Knezek, G. (2012). If Not Now! When? A Mobile Badge Reward System for K-12 Teachers. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 2900-2905). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/40029.

Knezek, G., Mills, L., Wakefield, J. & Hopper, S. (2012). Relationship of Technology Affinity to STEM Career Perceptions in High School and College Students. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 1909-1914). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39868.

Knezek, G., Christensen, R., Tyler-Wood, T., Periathiruvaldi, S., Alexander, C., Mayes, G., Owens, C. & Magoun, D. (2012). Measurement of STEM Dispositions in Elementary School Students. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 1052-1059). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39715.

Mayes, G., Mills, L., Christensen, R. & Knezek, G. (2012). Evolution of Technology Proficiency Perceptions: Construct Validity for the Technology Proficiency Self Assessment (TPSA) Questionnaire from a Longitudinal Perspective. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 1988-1993). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39881.

Mills, L. & Knezek, G. (2012). Measuring Learning Preferences within the Integrated Communications Learning Landscape. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 1994-1999). Chesapeake, VA: AACE.Retrieved from http://www.editlib.org/p/39882.

Periathiruvadi, S., Tyler-Wood, T., Knezek, G. & Christensen, R. (2012). Simulating Students with Learning Disabilities in Virtual Classrooms: A Validation Study. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 2588-2595). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39974.

Voogt, J., Knezek, G., Resta, P. & Searson, M. (2012). Building a Global Community of Policy-makers, Researchers, and Teachers to Move Education Systems into the Digital Age: The EDUsmmIT 2011 Report. In P. Resta (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference 2012 (pp. 47-54). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/39539.

Gibson, D. & Knezek, G. (2011). Game Changers for Teacher Education. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 929-942). Chesapeake, VA: AACE.

Lim, O., Tyler-Wood, T., Ellison, A., Periathiruvadi, S., Christensen, R., & Knezek, G. (2011). The Long-term Impact of the BUGS Program for Increasing Girls' Interest in Science. In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1341-1344). Chesapeake, VA: AACE.

Christensen, R., Knezek, G., & Tyler-Wood, T. (2011). STEM Interests for Middle Schoolers Out to Save the World (MSOSW). In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1428-1433). Chesapeake, VA: AACE.

Christensen, R., Knezek, G., & Tyler-Wood, T. (2011). Vampire Power and STEM Interests for Middle Schoolers Out to Save the World (MSOSW). In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1434-1435). Chesapeake, VA: AACE.

Gibson, D., Christensen, R., Tyler-Wood, T., &; Knezek, G. (2011). SimSchool: Enhancing Teacher Preparation through Simulated Classrooms. In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1504-1510). Chesapeake, VA: AACE.

Mills, L., Tyler-Wood, T., & Knezek, G. (2011). Understanding student attitudes towards school: a literature review. In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1566-1571). Chesapeake, VA: AACE.

Mills, L., Wakefield, J., Najmi, A., Surface, D., Christensen, R. & Knezek, G. (2011). Validating the Computer Attitude Questionnaire NSF ITEST (CAQ N/I). In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology &*

Teacher Education International Conference 2011 (pp. 1572-1579). Chesapeake, VA: AACE.

Ellison, A., Tyler-Wood, T., Barrio, B., Periathiruvadi, S., Lim, O., Knezek, G., & Peak, P. (2011). Evaluating the Effectiveness of a Computerized Classroom Simulation to Improve Pre-Service Teacher Understanding of Gifted Students. In M. Koehler & P. Mishra (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 2106-2111). Chesapeake, VA: AACE.

Voogt, J., Knezek, G., Dede, C., Resta, P., Searson, M., Thompson, A., Laferriere, T., Gibson, D., Riel, M., Schulz-Zander, R., Christensen, R., Lai, K.W., Davis, N., Baker, R., Gibson, I. & Knezek, D. (2010). The International Handbook Summit Call to Action for Learning with Technology in the 21st Century: Next Steps, Part 2. In D. Gibson & B. Dodge (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 2413-2415). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/33728.

Christensen, R., Knezek, G., McPherson, R. & Tyler-Wood, T. (2010). Integrating Science Curriculum into a Computerized Classroom Simulation. In D. Gibson & B. Dodge (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 3550-3551). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/33928.

Christensen, R., Tyler-Wood, T., Knezek, G., Gibson, D., Overall, T., Gros, L., Baer, A., Ellison, A., Lim, O., Veayo, P., Anderson, C. & Simone, J. (2010). No more standing-by for middle schoolers: Project Updates from Middle Schoolers Out to Save the World (MSOSW). In D. Gibson & B. Dodge (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 3552-3553). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/33929.

Knezek, G., Voogt, J., Norris, C., Soloway, E., Gibson, I. & Searson, M. (2010). The International Handbook Summit Call to Action for Learning with Technology in the 21st Century. In Z. Abas et al. (Eds.), Proceedings of Global Learn Asia Pacific 2010 (pp. 1-5). AACE. Retrieved from http://www.editlib.org/p/34140.

Bull, G., Gerald, K. & Gibson, D. (2009). Editorial: A Rationale for Incorporating Engineering Education Into the Teacher Education Curriculum. Contemporary Issues in Technology and Teacher Education, 9(3), 222-225. AACE. Retrieved from http://www.editlib.org/p/32411.

Knezek, G., Christensen, R., Owen, A., Farsaii, S., McPherson, R., Brogdon, S. & Jung, J. (2009). Relationship of Educator Professional Development for Interactive Online Simulations to Eighth Grade Student Achievement in Math and Science. In G. Siemens & C. Fulford (Eds.), Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2009 (pp. 3276-3281). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/31950.

Southworth, J., Ho, C., Kimura, B., Knezek, G. & Voogt, J. (2009). Distance Learning Enrichment: Perspectives from the International Handbook of Information Technology in Primary and Secondary Education. In G. Siemens & C. Fulford (Eds.), Proceedings of World Conference on Educational Multimedia, Hypermedia and

Telecommunications 2009 (pp. 2319-2322). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/31800.

Peak, P., McPherson, R., Barrio, B., Knezek, G., Ellison, A. & Christensen, R. (2009). Perceptions of Special Education Pre-Service and In-service Teachers. In I. Gibson et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2009 (pp. 3976-3981). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/31278.

Franklin, T., Morge, S., Narayan, S., Tagliarini, G., Knezek, G., Christensen, R., Tyler-Wood, T., Liu, C. & Chelberg, D. (2009). STEM Learning in Middle School with Games and Simulations. In I. Gibson et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2009 (pp. 1445-1449). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/30814.

Knezek, G. & Christensen, R. (2009). Preservice Educator Learning in a Simulated Teaching Environment. In I. Gibson et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2009 (pp. 938-946). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/30726.

Tyler-Wood, T., Knezek, G., Christensen, R. & Dunn, L. (2008). Project SETS (Simulation-Enhanced Training for Science Teachers). In K. McFerrin et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2008 (pp. 5167-5172). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/28093.

Barrio, B., Tyler-Wood, T., Knezek, G. & Dunn, L. (2008). Ecuador and the University of North Texas: A Collaborative Distance Learning Initiative in Special Education. In K. McFerrin et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2008 (pp. 2418-2422). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/27574.

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.A., Voogt, J., Knezek, G. & Hargrave, C. (2007). Digital Divide and International Research and Development in Information Technology and Teacher Education, Part 1. In R. Carlsen et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2007 (pp. 743-745). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/24636.

Gibson, D., Kim, B., Baek, Y.K., Christensen, R., Knezek, G. & Cheong, D.U. (2007). Simulating Teaching & Learning. In R. Carlsen et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2007 (pp. 1216-1217). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/24724.

Knezek, G. & Christensen, R. (2006). IT Competencies and Attitudes: A Worldwide Perspective. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2006 (pp. 1671-1676). Chesapeake, VA: AACE.   Retrieved from http://www.editlib.org/p/22302.

Knezek, G., Christensen, R., Mayes, G. & Morales, C. (2005). A Comparison of Self-Report and Observer Ratings of Educator Technology Integration Proficiency. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2005 (pp. 892-897). Chesapeake, VA: AACE.   Retrieved from http://www.editlib.org/p/19130.

Knezek, G., Christensen, R., Magoun, D. & Owens, C. (2005). Commonalities in Professional Development and Research Designs: Setting the Stage for Cross-Project Findings from NSF ITEST Activities, Part 1. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2005 (pp. 3258-3259). Chesapeake, VA: AACE.   Retrieved from http://www.editlib.org/p/19628.

Magoun, A.D., Owens, C., Knezek, G. & Christensen, R. (2005). A Final Report: ARTS to the Delta. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2005 (pp. 3305-3310). Chesapeake, VA: AACE.   Retrieved from http://www.editlib.org/p/19638.

Muir, M., Owen, A., Knezek, G., Christensen, R., Soloway, E., Norris, C., Albion, P. & Gibson, I. (2006). Lessons Learned from 1-to-1 Laptop Initiatives: Reflections on the Critical Components. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2006 (pp. 4366-4371). Chesapeake, VA: AACE.   Retrieved from http://www.editlib.org/p/22794.

Tyler-Wood, T., Knezek, G. & Christensen, R. (2007). Demographic, Learning Style, and Attitude towards Technology Differences Between Online and Face-to-Face Students in an Introductory Level Special Education Course. In R. Carlsen et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2007 (pp. 526-529). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/24594.

Christensen, R., Knezek, G., Patterson, L., Wickstrom, C., Overall, T. & Hettler, L. (2007). Early Experiences with SimMentoring: From Virtual to Real Teaching. In R. Carlsen et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2007 (pp. 1186-1188). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/24719.

Gibson, D., Kim, B., Baek, Y.K., Christensen, R., Knezek, G. & Cheong, D.U. (2007). Simulating Teaching & Learning. In R. Carlsen et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2007 (pp. 1216-1217). Chesapeake, VA: AACE. Retrieved from http://www.editlib.org/p/24724.

Knezek, G., & Christensen, R. (2006). Key Research Questions for Information Technology in the Core Disciplines. *Information Technology and Teacher Education Annual 2006,* (p. 950-951). Charlottesville, VA: Association for the Advancement of Computing in Education.

Muir, M., Owen, A., Christensen, R. Gerald Knezek, G., Gibson, I., Albion, P., Soloway, E., Norris, C. (2006). Lessons Learned from 1-to-1 Laptop Initiatives: Reflections on Critical Components. *Information Technology and Teacher Education Annual 2006,*

(p. 4366-4371). Charlottesville, VA: Association for the Advancement of Comp. in Ed.

Knezek, G., & Christensen, R. (2006). IT Competencies and Attitudes: A Worldwide Perspective. *Information Technology and Teacher Education Annual 2006,* (p. 1671-1676). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., Christensen, R., Magoun, D., & Owens, C. (2005). Commonalities in professional development and research designs: Setting the stage for cross-project findings from NSF ITEST activities. *Information Technology and Teacher Education Annual 2005,* (p. 3258-3262). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., Christensen, R., Mayes, G., & Morales, C. (2005). A comparison of self-report and observer ratings of educator technology integration proficiency. *Information Technology and Teacher Education Annual 2005,* (p. 892-897). Charlottesville, VA: Association for the Advancement of Computing in Education.

Watts, P., Camille, M., Owens, C., Christensen, R., Knezek, G., & Overall, T. (2005). DAMSALS2 ITEST Project – Technology infused science set in the local environment. *Information Technology and Teacher Education Annual 2005,* (p. 3775-3780). Charlottesville, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G. (2004). Validating a handheld computing self-efficacy scale. *Information and Technology and Teacher Education Annual 2004,* (p. 879-884). Charlottesville, VA: Association for the Advancement of Computing in Education.

Jones G., Morales, C. &, Knezek, G. (2004). Student Attitudes towards an Integrated 3D Learning Environment. *World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2004*(1), 1378-1382.

Knezek, G. (2004). Current Trends in Evaluation and Research. Society for Information Technology and Teacher Education *Information and Technology and Teacher Education Annual 2004,* (p. 843-844). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G. (2004). Information technology evaluation & research. *Information and Technology and Teacher Education Annual 2004*, (pp. 843). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., & Christensen, R. (2004). Impact of Technology-Intensive Professional Development on Classroom Gains in Reading Achievement. *Information and Technology and Teacher Education Annual 2004,* (p. 2339-2346). Charlottesville, VA: Association for the Advancement of Computing in Education.

Owens, C., Magoun, D., Knezek, G., & Christensen, R. (2004). The Effects of Distance Learning on the Attitudes of Elementary Age Children: Year 2, a Follow-up Study. *Information and Technology and Teacher Education Annual 2004*, (p. 2339-2346).

24

Charlottesville, VA: Association for the Advancement of Computing in Education.

Southworth, J., Knezek, G., Christensen, R., & Hvorecky, J. (2004). Assessing Distance Learning - Enrichment (DL-E) Activities. *World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2004*(1), 4042-4048.

Tyler-Wood, T., Knezek, G., & Christensen, R. (2004). Barriers to Teaching with Technology for Alternative Certification Teachers. *World Conference on Educational World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2004*(1), 3209-3214.

Christensen, R., & Knezek, G. (2003). Teacher home access as a primary indicator of stage of adoption of technology. *Information Technology and Teacher Education Annual 2003,* (p. 867-870). Charlottesville, VA: Association for the Advancement of Computing in Education.

Hancock, R., Knezek, G., & Christensen, R. (2003). The expanded Will, Skill, Tool Model: A step toward developing technology tools that work. *World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2003*(1), p. 1415-1422.

Knezek, G., Christensen, R., Bradley, J., Scannell, P., & Langford, J. (2003). Construct Validity for the World Wide Web Attitude Scale. *World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2003*(1), p. 1143-1149.

Knezek, G., Christensen, R., Morales, C., & Avila, P. (2003). Trans-National Trends in Technology Integration: PLANIT Project Findings for 2000-2003, I. *Information Technology and Teacher Education Annual 2003,* (p. 738-739). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., Christensen, R., Morales, C., & Avila, P. (2003). Trans-National Trends in Technology Integration: PLANIT Project Findings for 2000-2003, II. *Information and Technology and Teacher Education Annual 2003,* (p. 740-741). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., Christensen, R., Morales, C., & Overall, T. (2003). GP3: An instrument for self-appraisal of general preparation in technology for prospective teachers. *Information and Technology and Teacher Education Annual 2003,* (p. 734-737). Charlottesville, VA: Association for the Advancement of Computing in Education.

Owens, C., Magoun, D., Knezek, G., & Christensen, R. (2003). The effects of distance learning on the attitudes of elementary age children as assessed by their teachers. *Information and Technology and Teacher Education Annual 2003*, (p. 473-479). Charlottesville, VA: Association for the Advancement of Computing in Education.

Southworth, J., Knezek, G., Flanigan, J., & Hapai, M. (2003). Distance Learning - Enrichment: Perspectives from Three Decades of Classroom Technology Integration. *World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2003*(1), p. 3367-3372.

Knezek, G., Christensen, R., Tyler-Wood, T., Arrowood, D., Overall, T., Mayes, G., & Maldonado, M. (2002). PT3 implementation at the University of North Texas. *Information and Technology and Teacher Education Annual 2002,* (pp. 1661-1662).

Charlottesville, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G. (2001). The technology in education competency survey (TECS): a self-appraisal instrument for NCATE standards. *Proceedings of the Society for Information Technology in Teacher Education (SITE) 12th International Conference 2001, Orlando, Florida,* (pp. 2290-2295). Norfolk, VA: Association for the Advancement of Computing in Education.

Knezek, G., Christensen, R., (2001). Evolution of an online data acquisition system. In Price, J., Willis, D. A., Davis, N., & Willis, J, (Eds.). *Proceedings of the Society for Information Technology in Teacher Education (SITE) 12th International Conference 2001, Orlando, Florida,* (pp. 1999-2001). Norfolk, VA: Association for the Adv. of Computing in Ed.

Morales, C., Knezek, G., Christensen, R., Owens, C., Magoun, D., Alamhaboub, S., Moonen, B., Voogt, J., & Szwarc, M. (2001, July). *Impact of new information technology on education: Project PLANIT.* Paper presented to the 6th World Conference on Computers in Education, Copenhagen, Denmark.

Owens, C., Magoun, D., Christensen, R., Knezek, G., Morales, C., Khine, M., & Palitawanont, N. (2001). Findings from the project for the longitudinal assessment of new information technologies (PLANIT). *Proceedings of the Society for Information Technology in Teacher Education (SITE) 12th International Conference 2001, Orlando, Florida,* (pp. 1282-1290). Norfolk, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G. (2000). Advancement of student technology integration skills through university preservice coursework. *Proceedings of the 11th International Conference,* SITE 2000, 2, 1505-1520.

Knezek, G., Christensen, R., Gilmore, E., Kim, H., Magoun, A., Owens, C., Morales, C., Moonen, B., & Voogt, J. (1999). Teacher and student attitudes toward information technology in four nations. In J. Price, J. Willis, D. Willis, M. Jost, & S. Boger-Mehall, (Eds.), *Technology and Teacher Education Annual 1999* (pp. 916-918). Charlottesville, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G., (1999). Preservice versus inservice educators' attitudes toward information technology. In J. Price, J. Willis, D. Willis M. Jost, & S. Boger-Mehall, (Eds.), *Technology and Teacher Education Annual 1998* (pp. 1319-1322). Charlottesville, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G. (1997). Internal consistency reliabilities for 14 computer attitude scales. In J. Willis, J. Price, S. McNeil, B. Robin, & D. Willis (Eds.), *Technology and Teacher Education Annual 1997* (877-880). Charlottesville, VA: Association for the Advancement of Computing in Education.

Knezek, G., & Christensen, R. (1997). Changes in teacher attitudes during information technology training. In J. Willis, J. Price, S. McNeil, B. Robin, & D. Willis (Eds.), *Technology and Teacher Education Annual 1997* (pp. 763-766). Charlottesville, VA: Association for the Advancement of Computing in Education.

Christensen, R., & Knezek, G. (1996). Global classrooms in perspective: Reflecting on five years of the air/water projects. *Educational Telecommunications, 1996* (p. 356). Boston: Association for the Advancement of Computers in Education.

Christensen, R., & Knezek, G. (1996). Linking global classrooms to WWW resources. *Proceedings of the Fifth International Conference for Telecommunications in Education* (pp. 286-287). Monterrey, MX: Int. Society for Technology in Education.

Knezek, G., & Christensen, R. (1996). Email metrics: It is better to give than to receive. *Educational Multimedia and Hypermedia* (p. 744). Boston: Association for the Advancement of Computers in Education.

Knezek, G., Moore, D., Muta, H., Christensen, R., Southworth, J., Tada, M., & Jones, G. (1996). New trends for technology-based science education in the USA and Japan (pp. 580-582). *Proceedings of the 13th International Conference on Technology & Education.* New Orleans: ICTE.

Christensen, R., Knezek, G., & Campbell, N. (1995, December). CU-See Me: Teacher conferencing for global student exchanges. *Proceedings of the Fourth International Conference for Telecommunications in Education* (pp. 43-44). Ft. Lauderdale, FL: International Society for Technology in Education.

Dobrin-Fujiki, M., Finau, S., & Knezek, G. (1995). A sustainable model for information technology training in Pacific islands. In J. D. Tinsley & T. J. van Weert (Eds.), *Abstracts of the World Conference on Computers in Education VI* (p. 125). Birmingham, UK: International Federation of Information Processing.

Jones, G., Knezek, G., & Christensen, R. (1995). Affordable radio/satellite communications for education. In J. D. Tinsley & T. J. van Weert (Eds.), *Abstracts of the World Conference on Computers in Education VI* (p. 157). Birmingham, UK: International Federation of Information Processing.

Knezek, G., Southworth, J., Christensen, R., Jones, G., & Moore, D. (1995). Educating teachers for hands-on science. In D. A. Willis, B. Robin, & J. Willis (Eds.), *Technology in Teacher Education Annual, 1995* (pp. 186-190).

Christensen, R., Knezek, G., & Campbell, N. (1994). Model activities for Internet-accessible teachers. *Proceedings of the Third International Conference for Telecommunications in Education.* Albuquerque, NM: International Society for Technology in Education.

Knezek, G. (1994). New trends for elementary and lower secondary science education in the USA. *Proceedings of the 18th Annual Conference of the Japan Association of Science Education* (pp. S5-S6). Utsunomiya, Japan: JASE.

Knezek, G., Sakamoto, T., Yun, S-Q., Ling, T., Loipha, S., & Cheamnakarin, P. (1994). Teacher training for information technology in four nations. In J. Willis, B. Robin, & D. A. Willis (Eds.), *Technology in Teacher Education Annual, 1994*, (pp. 4-17).

Mortensen, M., & Knezek, G. (1994). Teaching in a two-way video and audio distance learning classroom: Prospectives from the first year. *Proceedings of the Eleventh*

International Conference on Technology and Education, 1 (pp. 441-443). London: University of London.

Jones, J. G., & Knezek, G. A. (1993). Non-commercial radio/satellite tele-communications: Affordable options for technology educators. *Proceedings of the 10th International Conference on Technology and Education* (pp. 701-703). Boston: ICTE.

Miyashita, K., Knezek, G., & Sakamoto, T. (1993). Changes in learning dispositions among students using computers during the first three years of school. *Proceedings of the IFIP Open Conference "Informatics and Changes in Learning," 2,* (pp. 701-703). Gmunden, Austria: IFIP.

Jones, G., Knezek, G., & Hata, M. (1992). Packet radio prospects for educational data communication. *Proceedings of the 9th International Conference on Technology and Education* (pp. 218-220). Paris: ICTE.

Knezek, G., Jones, G., Brumbaugh, K., & Miyashita, K. (1992). A hybrid distance learning model for teaching Japanese to Americans. *Proceedings of the 9th International Conference on Technology and Education* (pp. 221-223). Paris: ICTE.

Miyashita, K., Knezek, G., & Sakamoto, T. (1992). Computer-related attitudes of primary school students in Japan and the United States: 1990-91 results. *Proceedings of the 9th International Conference on Technology and Education* (pp. 224-226). Paris: ICTE.

Moore, D., Coulston, J., & Knezek, G. (1992). Geoinformatics: A pilot project in global perspectives through telecommunications. *Proceedings of the 9th International Conference on Technology and Education* (pp. 207-209). Paris: ICTE.

Papa, F., Young, J., Knezek, G., & Elieson, B. (1992). Assessing cognitive strategies in the novice learner. *Proceedings of the 9th International Conference on Technology and Education* (pp. 213-215). Paris: ICTE.

Taylor, P., Southworth, J., Mukaida, L., Okimoto, H., Streveler, R., Johnson, C., Moore, D., Knezek, G., & Kaluwin, C. (1992). The global classroom: A telecommunications event for educators. *Proceedings of the 14th Pacific Telecommunications Conference* (pp. 318-323). Honolulu, HI: PTC.

Knezek, G., & Miyashita, K. (1991). Computer-related attitudes of first and second grade students in the United States and Japan. *Proceedings from the 13th Annual Hawaii Educational Research Association Conference* (pp. 30-38). Honolulu, HI: HERA.

Knezek, G., Wallace, S., & Dunn-Rankin, P. (1991). Circular triad distributions: Computer-generated solutions for 3-15 objects. *Proceedings of the 13th Annual Hawaii Educational Research Association Conference* (pp. 39-47). Honolulu, HI: HERA.

Miyashita, K., & Knezek, G. (1991). A Likert scale for assessing young children's attitudes toward computers in education. *Proceedings of the Microcomputers in Education 1991 International Conference* (pp. A6-A10). Hong Kong: MIE.

Sakamoto, T., & Knezek, G. (1991). Teacher training for information technology in Japan and the United States. *Proceedings of the International Conference on Multi-Media in*

Education and Training (ICOMMET) (pp. 297-300). Tokyo, Japan: JAET.

Gelphman, J., Knezek, G., & Horn, C. (1990). LEGO/Logo grows up: Demonstrating math-science concepts with the Topocam. *Proceedings of the Tenth Texas Computer Education Assoc. Conference* (pp. 237-288). Ft. Worth, TX: TCEA.

Jones, J. G., & Knezek, G. A. (1990). The importance of teacher training for increasing the use of amateur radio in the classroom. *Proceedings of American Radio Relay League National Education Workshop* (pp. 49-52). Newington, CT: ARRL.

Knezek, G., & Jones, G. (1990). Using amateur radio to enhance secondary math/science curricula. *Proceedings of the Tenth Texas Computer Education Association Conference* (pp. 173-174). Ft. Worth, TX: TCEA.

Jones, J. G., Hata, M., & Knezek, G. (1989). Packet radio prospects for Pacific Basin data communications. *Proceedings of the 11th Annual Pacific Telecommunications Conference* (384-388). Honolulu, HI: Pacific Telecommunications Council.

Knezek, G., & Jones, J. (1989). ATS-3 Packet experiments: The potential impact of packet radio on Pacific Basin communications. *Proceedings of the American Radio Relay League 8th Computer Networking Conference* (pp. 127-133). USAF Academy, CO: ARRL.

Knezek, G. A., & Knezek, D. (1989). Profile of a state-wide high school programming contest. *Proceedings of the 9th Annual Texas Computer Education Association State Conference* (pp. 125-126). Houston, TX: TCEA.

Mukaida, L., Knezek, G., Scannell, P., Jones, G., Avegalio, T., Freese, A., & Haak, J. (1989). Pacific Island interactive data base network access: A PEACESAT, PITCHTR, University of Hawaii library pilot project. *Proceedings of the 11th Annual Pacific Telecommunications Conference* (pp. 494-501). Honolulu, HI: Pacific Telecommunications Council.

Jones, J. G., & Knezek, G. A. (1988). Radix 95: Binary to text data conversion for packet radio. *Proceedings of the American Radio Relay League 7th Computer Networking Conference* (pp. 107-114). Johns Hopkins University: ARRL.

Yu, C., Knezek, G., & Carruth, J. (1987). Binary encoding benchmarks: Radix 64 vs. Radix 95. *Proceedings of the Eleventh Annual Computer Science Conference* (pp. 43-48). Denton, TX: The Federation of North Texas Area Universities.

Knezek, G. A., & Abel, J. A. (1985). Campus-net: A microcomputer network for education. *Proceedings of the 5th Annual Texas Computer Education Association Conference* (pp. 50-61). Austin, TX: TCEA.

Knezek, G. A., Scannell, P., & Flanigan, J. (1985). Personal computer-based communication systems. *Proceedings of the Seventh Pacific Telecommunications Conference.* Honolulu, HI: Pacific Telecommunications Council.

Najmabadi, M., Lotfi, F., & Knezek, G. (1985). Developing speech synthesis software for the Apple II. *Proceedings of the Ninth Annual Computer Science Conference.* Denton, TX:

The Federation of North Texas Area Universities.

Jackson, L., & Knezek, G. (1984). Corvus Omninet response time degradation. *Proceedings of the Eighth Annual Computer Science Conference* (pp. 168-172). Denton, TX: The Federation of North Texas Area Universities.

Lange, J., Casey, R., Dunqua, B., Dunnett, C., Knezek, G., Flanigan, J., Flavel, E., Houlton, E., Livingston, K., Seumahu, S., Scannell, P., & Spooner, P. (1984). ATS-1: Social service satellite systems for the Pacific. *Proceedings of the Sixth Pacific Telecommunications Conference* (pp. 109-118). Honolulu, HI: Pacific Telecommunications Council.

Abstracts and Proceedings (Invited)

International/National (Reviewed)

Knezek, G. (1997). Computers in education worldwide: Impact on students and teachers. [Invited keynote presentation]. *Proceedings of the 13th International Symposium on Computers in Education.* Toluca, Mexico: Mexico Society of Computers in Education (SOMECE).

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

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).

Knezek, G. (1996, February). *Technology Trends. Five Minute Interview for National Public Radio segment aired nationwide*.

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.

Knezek, G. (1995). Foreword. In G. Jones (Ed.), *Infusing Radio-Based Communications Tools into the Curriculum.* Denton, TX: Texas Center for Educational Technology.

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.

Knezek, G., & Miyashita, K. (1994). *Computer Attitude Questionnaire (CAQ) Ver 5.0.* [English]. Denton, TX: Texas Center for Educational Technology.

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).

Knezek, G., Peterson, N., & Wells, B. (1990). *EASI Fixes: Access guidelines for software developers.* [6 panels]. Washington, DC: EDUCOM.

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.

Ayabe, H. I., Knezek, G. A., & Taketa, A. (1978). *Manual for Computer Programmers III, IV, and V and Data Processing System Analyst V Exams*, Honolulu, HI.

Ayabe, H. I., Knezek, G. A., & Taketa, A. (1978). *Supplementary Manual for Computer Programmers III, IV, and V and Data Processing Systems Analyst V Exams*, Honolulu, HI.

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

2013-2017	Going Green! Middle Schoolers Out to Save the World (MSOSW), Awarded $1,993,528, Innovative Technologies	National Science Foundation	Principal Investigator

Scale Up Project

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	Fulbright	Principal

	$40,000		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

State

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	TX Center	Co-Principal

	on Distance Learning $7,000	for Digital Knowledge	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

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.

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., 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.

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.

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 Dispostions 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 through Circular Triads.* Paper presented to the Hawaii Psychological Association 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

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

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

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)

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 l993-94 Fulbright Series*, Editor

1992   *Packet Radio: An Educator's Alternative to Costly Telecommunications*, Editor

Scholarly Reviews

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	*Journal Educational & Psychological Measurement*	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

Date	Honor	Awarding Organization
International/ National		
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

2009	UNT Competitive Funding Award	University of North Texas
2006-2007	Fulbright Senior Specialist (Ecuador)	Council for the International Exchange of Scholars
2005	Distinguished Paper Award	American 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 *(National Educational Computing Conference Recognition & lifetime complimentary membership)*	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

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 Techniques (Houston June 2012), Audited Fall 2012 Neurofeedback Doctoral Course | Southwest Health Foundation UT Medical Branch Houston 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
Graduate

Semester/Year	# Students	Evaluation (S.D.) n	Rating for Year
Spring 2014			
No graduate courses taught			
Fall 2013			
CECS 6511.001	9	3.58/4	
Summer 2013			
CECS 6510.001	12	Not available	
CECS 6514.001	8	Too few recorded	
CECS 6510.030/040	10	3.96/4	
Fall 2012			
CECS 6511.001	12	2.94	
Summer 2012			
CECS 6800.001	**7**	4.0	
Fall 2011			
CECS 6800.001	6	4.00	
Summer 2011			
CECS 6510.010	8	3.96	
CECS 6800.030	6	3.94	
Fall 2010			
CECS 6800.030	11		
Summer 2010			
CECS 6510.030	10	858 (1-1000 scale)	
CECS 6800.030	10	855 (1-1000 scale)	
Spring 2010			
No graduate courses taught			
Fall 2009			
CECS 6800.030			

Summer 2009

CECS 6800.030 (6510)	9	*not available*
CECS 6800.031 (Scaling)	13	"

Summer 2008

CECS 6510.030	10	*not available*
CECS 6800.030	12	"

Summer 2007

CECS 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					

Spring 2003

CECS 5610.090	18		4.44			
				50	4.53	**2003**

Fall 2002

CECS 5400.090	5		4.75			

Maymester 2002

CECS 6800.020	9					
CECS 6800.020	9					

Spring 2002
Sabbatical – no courses taught

				23	4.75	**2002**

Fall 2001

CECS 5030	13					

Summer 2001

CECS 5500.020	6					
CECS 5500.090	9					
CECS 5400						

Maymester 2001
CECS 5800.020
Spring 2001

CECS 6800	14	4.98			
CECS 5610	25	3.37			
			52	4.17	**2001**

Fall 2000

CECS 5500	8	4.86			
CECS 5030	30	*not available*			

Summer 2000

CECS 5500	17	

Spring 2000

CECS 5610	20	4.22			
CECS 5500.020/.054	20	*not available*			
			95	4.54	**2000**

Fall 1999

CECS 5500	15	4.53
CECS 5400	18	4.64

Summer 99

CECS 5500	10	

Spring 1999

CECS 5610	9	4.71			
			52	4.62	**1999**

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 Rsch	13	

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

Spring 2014
LTEC 4100.022   *Not available*

Fall 2013
LTEC 4100.024   17   3.71/4

Spring 2013
LTEC 4100.024   18   *Not available*

Fall 2012
CECS 4100.24   20   3.11

Spring 2012
CECS 4100.0021   23   3.25

Fall 2011

CECS 4100.025   24   3.18

Spring 2011

CECS 4100.031   17   3.43

CECS 4100.006   24

Fall 2010

CECS 4100.003   22

Spring 2010

CECS 4100.0031   24   712 (1-1000)

Fall 2009

CECS 4100.003   24   4.61

CECS 4100.006   23   N/A

Spring 2009

CECS 4100.003   24   4.59   (.39)

                                                  2009

Fall 2008

CECS 4100.003   24   4.17   (.06)

CECS 4100.009   23   4.87   (.08)

Spring 2008

CECS 4100.009   24   4.40   (.46)

			72	4.48	**2008**
Fall 2007					
CECS 4100.003	24	4.65	(.27)		
CECS 4100.006	22	4.78	(.23)		
Spring 2007					
CECS 4100.009	23	4.67	(.51)		
CECS 4100.003	24	4.17	(.92)		
			93	4.57	**2007**
Fall 2006					
CECS 4100.003	24	4.89	(.47)		
Spring 2006					
CECS 4100.003	24	4.20	(.91)		
CECS 4100.009	24	4.50	(.53)		
			72	4.53	**2006**
Fall 2005					
4100.003	24	4.24	(.87)		
4100.006	23	4.66	(.53)		
Spring 2005					
4100.003	24	3.78			
			71	4.23	**2005**
Fall 2004					
4100.003	24	3.25			
4100.006	22	3.00			
Spring 2004					
4100.090	24	3.77			
			70	3.34	**2004**
Fall 2003					
4100.001	23	(information unavailable at this time)			
4100.090	16				

Spring 2003

4100.090	16	4.5			
			55	4.5	**2003**

Fall 2002

CECS 4100.003	23	4.24			

Spring 2002
Sabbatical – no courses taught

			23	4.24	**2002**

Fall 2001

CECS 4100.003	17	4.40			
CECS 4100.090	23	3.76			

Summer 2001

CECS 4100.090	6	

Maymester 2001

CECS 4900.702	1	

Spring 2001

CECS 4100	19	4.50			
			66	4.22	**2001**

Fall 2000

CECS 4100	24	

Spring 2000

CECS 4100	23	4.14			
			47	4.14	**2000**

Fall 1999

CECS 4100	24	

Spring 1999

CECS 4100	24	4.32			
			48	4.32	**1999**

Fall 1998

CECS 4100	19	4.35			
			19	4.35	**1998**

New Course Development, New Course Preparations and Major Course Revisions

Graduate

Year	Course and Title	Revision/Innovation
2010	Quantitative Research	New course to introduce descriptive

	Methods I	statistics, research design & hypothesis testing
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 Education)	Video Segments, Web Modules for 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	Dual site asynchronous RealPlayer format
	CECS 5500 (Computers in Curriculum and Instruction)	Multi-site, teaming with clinical faculty
1998	CECS 5030 (Internet in Education)	Accelerated 4 weekend format
	CECS 5400 (Educational	RealAudio Live Internet Broadcast

	Telecommunications	course		
	CECS 5960 (Visiting Scholars)	Two semester course with 3 international scholars		
1997	CECS 5010 (Comp. Apps.)	Web extended format		
1996	CECS 5580 (Readings in CECS)	Preparation		
	CECS 5420 (Internet Navigation)	Preparation		
1995	CECS 5410 (Research Methods)	Preparation		
	CECS 5810 (Technology Research Institute)	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

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-Commerce	Minor Professor	Doctorate
2001	Bert Moonen	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	Minor Professor	Doctorate

			(primary topic advisor)	
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 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

Semester/Year	Brief Description of Advising Duties
Fall 2013	Advisor to17 undergraduate students
Spring 2013	Advisor to18 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 Instuctional Related Activities

Semester/Year	Brief Description of Advising Duties
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

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)

Offices and Committee Assignments in Professional Organizations

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	Teacher Training for Information Technology: International Perspectives (Panel Session), NECC '92	Moderator
March 1992	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

**Local/
University**

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; 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

International/ National

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 21st Century	Invited Panelist
2007-08	Society for Information Technology and Teacher Education	President Elect
2004-2008	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 (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 *(2 day symposium for researchers serving 13 Latin American nations)*	Moderator
2001	Preparing Tomorrow's Teachers to Use Technology Core Evaluation Group *(2 Washington D.C. panel reviewer meetings)*	Reviewer
2001	26th World Conference on Computers in Education, Copenhagen, Denmark	Session Moderator
2001	American Associate of Colleges for Teacher	Session Moderator

	Education Conference	
2000	Pre-conference Symposium of the Society for Information Technology in Teacher Education: Strategies for Assessing Innovative Practices *Attended by 47 participants from 18 nations.*	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

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

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

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

2010-2012	CECS 4100 Course Coordination (appointed Custodian)
2003	
2002	CECS Doctoral Program Coordinator (appointed)
2002	CECS Doctoral Program Coordinator (appointed)
2001	CECS 4100 Multiple Sections Coordinator (appointed)
2001	CECS Doctoral Program Coordinator (appointed)
2001-03	CECS Full Professor Search Committee Co-Chair (appointed)
2001-03	Doctoral Program Coordinator
1998-00	Technology Applications Certificate Coordinator (appointed)

Student/Student Organization Service

2001	Implemented the PT3 Technology Integration Fellows Program.

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 Goncalves, 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