

Counseling and Educational Psychology
MS/281
College of Education
University of Nevada, Reno
Reno, NV 89557. USA
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1998– 2002: Department of Reading, Special Ed. and Instructional Technology,
Towson University, Maryland

1992 – 1998: College of Education, University of Nevada, Reno

New areas (2015 --):

- : Developed big data analytics skills for research, including , and
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- : developed new dynamic models for research, teaching and practice.
- on issues in statistics methods for educational research:

Ongoing areas:

- : Developed an ITD Integration Model, which has been used in my teaching and research over years.
- : Most of my teaching duties are focused on this area.
- in developing and creating new courses or instructional modules, which have been examined over years and improved with data-based research results.
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CEP 613/413	Computer Telecommunications in Technology
CEP 617/417	Field Works and Practicum in Information Technology
CEP 611/411	Programming Languages in Information Technology in Education
CEP 610	Information Technology in Education
CEP 612/412	Methods of Using Information Technology in Teaching and Learning
CEP 425/625	

2. Bacon, S., & (2021). Participation reate of 5th graders during COVID-19 emergency: synchronous versus asynchronous learning activities. *International Journal of Technology in Teaching and Learning*, 17(1), 47-61.
3. Chen, L., , & Thethway, P. (2021). Using multilayer videos for remote learning: Videos of session guidance, content instruction, and activity. *Computers in the Schools*, 38(4), 322-353.
4. Chen, L., & Pugh, K. (2021). Online teaching and learning under COVID-19: Challenges and Opportunities. *Computers in the Schools*, 38(4), 249-255.
5. Chen, L., & Li, W. (2020~2021). Influential factors on technology-based learning in Sciece, Mathematics, and Engineering (MSE): A case-anlalysis from 305 studies. *International Journal of Technology in Teaching and Learning*, 16(2), 106-128.
6. Chen, L., & (2020). Methods of analyzing Likert scale data in educational technology research. *Journal of Educational Technology Development and Exchange*, 13(2), 37-57.
7. Chen, L.; & . (2020). Social presence in multidimensional online discussion: The roles of group size and requirements for discussions, *Computers in the Schools*, 37(2), 116-140. DOI: 10.1080/07380569.2020.1756648
8. Michaels, C., & . (2020). Differences in academic achievements among high school graduates' from four career and technical education (CTE) program areas. *International Journal of Technology in Teaching and Learning*, 15(2), 109-125.
9. Locquiao, J., Abernathy, T. V., Mesina, O. L., & . (2020). The repationship between absences and passing tests fro students with and without specific learning disabilities. *Journal of Education fro Stueents Places at Risk (JESPAR)*, doi:10.1080/10824669.2020.1854759. <https://doi.org/10.1080/10824669.2020.1854759>
10. Chen, L., & Li, W. (2019). Social Media in Dynamic Learning: Logistics and Influential Factors. *Journal of Educational Technology Development and Exchange*, 12(1), 33-57.
11. Chen, L., & . (2019). Content analysis of statistical power in educational technology research: Sample size matters. *International Journal of Technology in Teaching and Learning*, 15(1), 49-75.
12. Chen, L., & . (2018). Instructor's self-assessment of content design in online courses. *International Journal of Technology in Teaching and Learning*, 14(1), 24-41.
13. , & Chen, L. (2018). Conducting synchronous assessment through web videoconference to improve online learning: Case outcomes with nonparametric analysis. *Journal of Educational Technology Development and Exchange*, 11(1), 45-64.
14. Liu, M., , & Liu, L. (2018). Group awareness increases student engagement in online collaborative writing. *The Internet and Higher Eduation*, 28(2018), 1-8. IF:2456 Td ()T

25. Johnson, L., & Maddux, C. (1999, Eds.). *Information Technology in Educational Research and Statistics*. New York: Haworth.
26. Johnson, L., Maddux, C., & . (1997, Eds.). *Using Technology in the Classroom*. New York: Haworth.

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1. Li, W., & . (2012). An exploratory study for the experiences of older non-traditional students in an online learning environment. In V. Wang (Ed.), *Handbook of Research on Technologies for Improving the 21st Century Workforce: Tools for Lifelong Learning* (pp. 373-386). Hershey, PA: IGI Global.
 2. Maddux, C. D., Li, W. & . (2012). Blended learning in teacher education: A content analysis of related literature. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 619-624). Chesapeake, VA: AACE.
 3. ., Li, W. & Maddux, C. (2012). Prepare teacher education students to use cloud resources: Evaluation, design, and integration. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 2931-2938). Chesapeake, VA: AACE.
 4. Maddux, C., ., Li, W., & Sexton, J. (2011). The semantic web: Reviewing its potential in teacher education and a concept analysis of relate3d educational literature. In C. Maddux et al. (Eds.), *Research Highlights in Technology and Teacher Education* (pp. 229-236). Chesapeake, VA: AACE.
 5. Li. W., & ., (2011). The effects of the instructional video on pre-service teachers' technology learning in an online environment. In V. Wang, (ed.), *Encyclopedia of E-Leadership, counseling and Training* (pp. 656-665). Hershey, PA: IGI Global.
 6. Moran, J., & . (2011). Criteria contribuher4se(r)-18.3 (g)F2430F200(8)90T(p324-3.0)4.9-6.006s)-2(at)-6.1d(1)9.

30. Maddux, C. (2009). Online publishing: A new online journal on "Social Media in Education". In K. McFerrin, R. Weber, R. Carlsen, & D. A. Willis (Eds.), *Technology & Teacher Education Annual 2009* (pp. 2858-2863).

33. (2015). Trends of research, practice and publishing: A comparison of content analysis in SITE Research Highlights. Panel presentation and discussion at SITE (Society of Information Technology in Education) 2014, Las Vegas, NV. March 4, 2015.
34. (2015). Harnessing the power of concurrent technology: Data science and assessment. at EITT (International Conference of Educational Innovation through Technology) 2015, Wuhan, China. October 18, 2015.
- 35.

54. ., D'Andrea, L., & Maddux C. (2010). An online course in assessing technology integration: Design, implementation, and issues. Paper presented at: SITE (*Society for Information Technology and Teacher Education*), San Diego, CA, March 29 – April 2, 2010.
55. Lai, F. Q., Kiger, S., Jones, & M., Yuen, S. (2010). Key factors to a successful online program. Panel speaker at: SITE (*Society for Information Technology and Teacher Education*), San Diego, CA, March 29 – April 2, 2010.
56. D'Andrea, L., ., & Hodgen, C. (2010). Keeping education students connected: An online doctoral student network. Poster presented at: SITE (*Society for Information Technology and Teacher Education*), San Diego, CA, March 29 – April 2, 2010.
57. Maddux, C., ., & Cummings, R. (2010). A totally online university class in statistics for teachers: Aids and cautions. Paper presented at: SITE (*Society for Information Technology and Teacher Education*), San Diego, CA, March 29 – April 2, 2010.
58. . (2010). Assessment of Online Master Programs: Procedures, Management, and Outcomes. Paper presented at: SITE (*Society for Information Technology and Teacher Education*), San Diego, CA, March 29 – April 2, 2010.
59. Richmond, A. S., Conrad, L., & (2009). An investigation of thinking styles in online education. Presented at NRMERA (*Northern Rocky Mountain Educational Research Association*) 27th Annual Conference. Jackson Hole, Wyoming, Octob28.2 (om)o13.2 (ob28.2 Tc 0.008.2 Tc 0.008.2 Tc 0.008.2 T

73. (2007). Modeling in Information Technology Research: A Model of Models. Presented at AECT (*Association of Educational Communications and Technology*), Anaheim, California, October 23-27, 2007.
74. (2007). Features of Online Publishing and a Model of Dynamic Research in Information Technology in Education. Presented at AECT (*Association of Educational Communications and Technology*), Anaheim, California, October 23-27, 2007.
75. (2007). A Synchronous Communication Tool for Online Learning: Strategies, Issues Outcomes. Posted at: SITE (*Society for Information Technology and Teacher Education*), San AntoniojEMC /Li2Ptyearc2du3-

(2007).esni nd lmi1-21.8(om)-24.4 (nt)-1.1 (at)-1.1 (i)3.1 (o)-12.2 ((of)-13.1 an (O19-7.2 (n-9
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111. Johnson, L., & (2003). The "fine art" of the peer critique in project-based courses. Presented at: SITE (*Society for Information Technology and Teacher Education*), Albuquerque, NM, March 29, 2003.
112. ., & Johnson, L. (2003). Technology portfolio as the tool to organize and assess students' learning of information technology. Poster-presented at: Hawaii International Conference on Education, Honolulu, Hawaii, January 8, 2003.
113. L., & Johnson, L. (2003). A technology integration model and weak areas. Poster-presented at: Hawaii International Conference on Education, Honolulu, Hawaii, January 8, 2003.
114. Jones, P., & Wall, R. (2003). Preservice teachers' skill, attitudes and technology achievement. Presented at the annual meeting of the Eastern Educational Research Association, February 26 – March 1, 2003.
115. Jones, P., Wall, R., & L. (2003). Preservice teachers' personality types and computer achievement. Poster-presented at: Hawaii International Conference on Education, Honolulu, Hawaii, January 8, 2003.
116. . (2002). Integrating Technology into Reading Instruction: A New Course Development and Implementation. Presented at *SITE (Society for Information Technology & Teacher Education)*, Nashville, TN, March, 19, 2002.
117. . (2002). Designing, Implementing and Maintaining a Web Site: Issues and Technique Tips. Presented at *SITE (Society for Information Technology & Teacher Education)*, Nashville, TN, March, 21, 2002.
118. Johnson, D., & (2002). Web Based Instruction: What Does It Mean and How Do We Do It. Roundtable discussion at *SITE (Society for Information Technology & Teacher Education)*, Nashville, TN, March, 21, 2002.
119. Ayersman, D. J., Liu, L., Overbaugh, R. C., Perkins, R., Takacs, J. (2002). Research and Instructional Technology. Symposium at *EERA (Eastern Educational Research Association)* annual conference, Sarasota, FL, February, 28, 2002.
120. & Jones Paul. (2002). External Variables that Influence Student Computer Attitude and Achievement. Presented at *EERA (Eastern Educational Research Association)* annual conference, Sarasota, FL, March 2, 2002.
121. (2002). Educational Technology. Section Discussant, at *EERA (Eastern Educational Research Association)* annual conference, Sarasota, FL, March 2, 2002.
122. . (2001). Data Analysis on the Components of Multimedia Courseware Design. Presented at: *WUSS Conference* (

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24. University of Nevada, Reno, College of Education, Peer Institution Ad Hoc Committee (2005-)
25. University of Nevada, Reno, College of Education, CEP Department,
(2005-2016)
26. University of Nevada, Reno, Faculty Senate Institute for Innovation and Informatics Ad Hoc Review
Committee (2004-2006)
27. University of Nevada, Reno, International Activities Committee (2004-2013)
28. University of Nevada, Reno, Social Behavioral Institutional Review Boards (2004-2007)
29. University of Nevada, Reno, Special Hearing Committee (2004-)
30. University of Nevada, Reno, College of Education, Graduate Study Committee (2004-)
31. University of Nevada, Reno, Search committee for the Instructional Designer position within Teaching
& Learning Technologies (2004)
32. University of Nevada, Reno, College of Education, Senate Committee for Student Affairs (2003-)
33. University of Nevada, Reno, CEP Department, new faculty search committee (2003)
34. University of Nevada, Reno, CEP Department, Program Assessment (2002-2003)
35. University of Nevada, Reno, CEP Department, Program Admissions (2002-2003)
- 36.

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67. Board member -- Consultative Council of Society of Information Technology and Teacher Education, Association of Advanced Computing in Education. (2012 --)
 68. Officer of SICET (Society of International Chinese in Educational Technology), USA, 2003 --
 69. Member of AERA (American Educational Research Association), USA, 2004 – Present
 70. Member – National Technology Summit, USA (2002 – 2006)
 71. Member of EERA (Eastern Educational Research Association), USA, 2001-Present
 72. Member of AACE (Association for the Advancement of Computing in Education), USA, 1998-Present
 73. Member of WUSS (Western Users of SAS Software), USA, 1997-Present
 74. Member of AAUP (American Association of University Professors), USA, 1998-Present
 75. PTA member of Peavine Elementary School, 2002-Present
 76. PTA member of Rodgers Forge Elementary School, 1999-2002
 77. Volunteer for Rodgers Forge Elementary School teaching second-grade computer class, 1999-2002.
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1. . (2019). Certificate completion: Machine Learning Using SAS Viya in SAS Studio. 07-22~ 07-25, 2019.
 2. . (2019). Certificate completion: Deep Learning Using SAS Software . 07-22~ 07-25, 2019.
 3. . (2019). Certificate completion: Supervised Machine Learning Procedures Using SAS Viya in SAS Studio. 01-08, 2019.
 4. . (2019). Certificate completion: SAS Visual Data Mining and Machine Learning on SAS Viya: Interactive Machine Learning. 01-08, 2019, and 07-22, 2019
 5. . (2018). Certificate completion: Visual Analytics: Getting Started for Professors. 07-10-2018, Cary, NC
 6. . (2018). Certificate completion: Visual Statistics. 07-11-2018, Cary, NC.
 7. . (2018). Certificate completion: Applied Analytics Using SAS Enterprise Miner II. 01-09-2018, San Diego, CA.
 8. . (2018). Certificate completion: Survival Data Mining Using SAS Enterprise Miner II. 01-09-2018, San Diego, CA.
- .LC2018). Certificate completion: A3-9.7 (ppl)-8.9-13.1 (i1.1 ())132)3.2 (-3.2 (t)-16.2 (is)-11.1 (t)-4.1 (i12 D)-3.1 (c)-30 (s)-

