
Xun Ge, Ph.D.

Professor of Learning Sciences & Technologies
Department of Learning Technologies
University of North Texas
Fulbright Canada Research Chair in Digital Transformation 2023--2024

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EDUCATION

- Aug. 2001 Ph. D., Instructional Systems, College of Education, The Pennsylvania State University, University Park, PA
Dissertation: Scaffolding students' problem-solving processes on an ill-structured task using question prompts and peer interactions
Chair: Prof. Susan M. Land, Ph.D., Program of Learning, Design, and Technology, Department of Learning and Performance Systems, College of Education, The Pennsylvania State University, University Park, PA 16802.
- May 1997 Ed. D. Student, Curriculum and Instruction, Center for Excellence in Education, Northern Arizona University, Flagstaff, AZ
- Dec. 1995 M. Ed., Bilingual and Multicultural Education, Center for Excellence in Education, Northern Arizona University, Flagstaff, AZ
- Sep. 1991 Postgraduate Diploma in Education, Specialization in Teaching at Secondary School Level, National Institute of Education, Nanyang Technological University, Singapore
- Jun. 1987 M. A., English Language and Literature, Foreign Language Department, Fujian Normal University, Fuzhou, Fujian, China
- Feb. 1982 B. A., English Language and Literature, Foreign Language Department, Fujian Normal University, Fuzhou, Fujian, China

PROFESSIONAL EMPLOYMENT

- Fall 2023 – Professor and Incoming Chair for the Department of Learning Technologies, University of North Texas, Denton, TX.
- July 2012 – June 2023 Professor, Program of Learning Sciences, Department of Educational Psychology, Jeannine Rainbolt College of Education, The University of Oklahoma, Norman, OK.
- July 2012 – June 2016 Chair and Professor, Department of Educational Psychology, Jeannine Rainbolt College of Education, The University of Oklahoma, Norman, OK.

Jan 2012 – June 2012	Chair and Associate Professor, Department of Educational Psychology, Jeannine Rainbolt College of Education, The University of Oklahoma, Norman, OK.
2007 – 2012	Associate Professor, Program of Instructional Psychology and Technology, Department of Educational Psychology, Jeannine Rainbolt College of Education, The University of Oklahoma, Norman, OK.
2001 – 2007	Assistant Professor, Instructional Psychology and Technology, Department of Educational Psychology, College of Education, The University of Oklahoma, Norman, OK.
1987- 1993	Lecturer/Associate Professor. English Division, Foreign Language Department, Fujian Normal University, Fuzhou, Fujian, China.
1982 – 1987	Assistant Professor. English Division, Foreign Language Department, Fujian Normal University, Fuzhou, Fujian, China.

PROFESSIONAL SERVICE & LEADERSHIP HIGHLIGHTS

Nov. 2021 – Present	Past President, Association for Educational Communications & Technology
Nov. 2020 – Nov. 2021	President, Association for Educational Communications & Technology
Nov. 2019 – Nov. 2020	President-Elect, Association for Educational Communications & Technology
Nov. 2018 -	Co-Editor, Interdisciplinary Journal of Problem-based Learning

AFFILIATED APPOINTMENT

2023	Fulbright Canada Research Chair in Digital Transformation, Visiting Faculty of Computer Science, University of New Brunswick, Canada
2022	Member, Institute for Community and Society Transformation (ICAST), the University of Oklahoma
2017	Member, the Systems Realization Laboratory, the University of Oklahoma
2017	Robert Black College Outstanding Visiting Fellow, the University of Hong Kong
2017	Visiting Scholar, Taiwan Ministry of Science and Technology, Taiwan
2017	Engaged Researcher, K20 Center for Educational & Community Renewal, the University of Oklahoma
2014	Visiting Scholar, the University of Hong Kong, Hong Kong
2012	Affiliated member with the University of Oklahoma Health Science Center's Cancer Health Disparities Research Program at the Stephenson Center
2008	Visiting Professor, Department of Educational Technology, College of Educational Science and Technology, Fujian Normal University, Fuzhou, China.
2007 –	Faculty Fellow, K20 Center for Educational & Community Renewal, The University of Oklahoma, Norman, OK. Affiliated Faculty, Institute for US-China Issues, The University of Oklahoma, Norman, OK. Affiliated Faculty, The Confucius Institute at the University of Oklahoma, Norman, OK.

AWARDS & HONORS

- 2023 Recipient of Fulbright Canada Research Chair in Digital Transformation, University of New Brunswick, 2023-2024
- 2022 Recipient of Presidential Distinguished Service Award in appreciation for exemplary service in Association for Educational Communications and Technology (AECT)
- 2022 Recipient of the 2022 American Association of School Library (AASL) Research Grants for the following research paper:
Kyungwon Koh, Associate Professor, University of Illinois at Urbana-Champaign, Xun Ge, Professor, University of Oklahoma, and Julia Burns Petrella, Doctoral Candidate, University of Illinois at Urbana-Champaign, "Librarian-Teacher Co-Teaching and the Role of School Librarians in Facilitating Inquiry and Maker Learning"
- 2021 Recipient of [2021 Distinguished Development Award](#) granted by AECT Educational Technology Research & Development
- 2019 Recipient of Association for Educational Communications and Technology (AECT) "Outstanding Journal Article Award" presented by AECT Research and Theory Division
Tawfik, A., Law, V., Ge, X., Xing, W., & Kim, K. (2018). The effect of sustained vs. faded scaffolding on students' argumentation in ill-structured problem solving. *Computers in Human Behavior*, 87, 436-449. <https://doi.org/10.1016/j.chb.2018.01.035>
- 2019 Recipient of 2019 Educational Technology Research & Development Editors Reviewer Excellence Award
- 2017 Recipient of "Distinguished Paper Award", Chinese American Educational Research and Development Association
- 2017 Recipient of "Robert Black College Outstanding Visiting Fellow," University of Hong Kong
- 2017 Recipient of Faculty Visitor, Faculty of Education, University of Hong Kong
- 2017 Recipient of Visiting Scholar Fund from Taiwan Ministry of Science and Technology
- 2017 Nominee of the Editor for the Development Section, the journal of Educational Technology Research & Development
- 2016 Recipient of the "Certificate of Appreciation in Recognition of Exemplary Academic Services in Support of the Educational Technology Research & Development journal" from the Educational Technology Research & Development (ETR&D) Board.
- 2016 Recipient of the "Outstanding International Research Collaboration Award" granted by Technology, Instruction, Cognition & Learning (TICL) Special Interest Group, American Educational Research Association.
- 2015 Recipient of Henry Daniel Rinsland Memorial Award for Excellence in Educational Research, The University of Oklahoma
- 2013 Nominee of the Editor for the Research Section, the journal of Educational Technology Development & Technology
- 2013 Nominee of John E. Pedersen's Award for Mentoring Excellence, Jeannine Rainbolt College of Education, the University of Oklahoma
- 2012 Recipient of 2012 Outstanding Journal Article Award by the Division of Design and Development, Association of Educational Communications and Technology for the journal article:
Eseryel, D., Ge, X., Ifenthaler, D., & Law, V. (2011). Dynamic modeling as a cognitive regulation scaffold for complex problem solving skill acquisition in an educational massively multiplayer online game

environment. *Journal of Educational Computing Research*, 45(3), 265-287.

- 2010 Recipient of Reviewer of the Year Award, *Interdisciplinary Journal of Problem-based Learning*.
- 2010 Recipient of Jeannine Rainbolt College of Education Teaching / Advising Award, University of Oklahoma.
- 2006 Recipient of College of Education Research / Scholarship Award, University of Oklahoma.
- 2006 Recipient of College of Education Summer Research Grant (Amount: \$6,000), The University of Oklahoma.
- 2004 Recipient of "Outstanding Journal Article Award" presented by the Division for Instructional Development (DID), the Association for Educational Communications and Technology for the journal article:
Ge, X., & Land, S. M. (2003). Scaffolding students' problem-solving processes in an ill-structured task using question prompts and peer interactions. *Educational Technology Research and Development*, 51(1), 21-38.
- 2003 Recipient of "Young Scholar Award" presented by Educational Technology Research and Development and the Research and Theory Division of Association for Educational Communications and Technology.
Ge, X., & Land, S. M. (2004). A conceptual framework for scaffolding ill-structured problem-solving processes using question prompts and peer interactions. *Educational Technology Research and Development*, 52(2), 5-22.
- 2000 Recipient of ECT Foundation Internship Award, Association of Educational Communications and Technology (AECT) International Conference, 2000. Denver, CO.
- 2000 Recipient of Alumni Society Graduate Student Research Initiation Grant, Doctoral Student Awards, 2000-2001, College of Education, The Pennsylvania State University, December 2000.

RESEARCH INTEREST

- Cognition, motivation, epistemic beliefs, learning design and technology
- Problem solving and self-regulation in complex and ill-structured learning tasks
- Designing learning environments, with effective scaffolding strategies and cognitive tools to support learners' complex and ill-structured problem-solving skills, including metacognitive skills
- Assessing learning processes and outcomes, focusing on students understanding, reasoning, problem solving, and metacognition
- Examining peer interactions, social support, and roles of learners and instructors in various learning environments, such as virtual learning, problem- and project-based learning, inquiry-based, game-based, immersive virtual reality, augmented reality, makerspace, etc.

CURRENT ACTIVE RESEARCH PROJECTS

PS 21st Lab Projects

- (a) Explore the relationships between ill-structured problem solving and various factors: (a) the role of prior knowledge and prior experience, (b) self-regulation, (c) engagement and motivation, and (d) epistemic beliefs.
- (b) Investigate how students self-regulate themselves while making decisions in a game-based ill-structured problem-solving learning environment

Immersive Virtual Reality Lab Projects

- (a) Effectiveness of Immersive Virtual Reality as an Instructional Tool for Biomedical Engineering Laboratory Training
- (b) Immersive Virtual Reality as an Assessment Tool for Forensic Science Lab Training

PUBLICATIONS

Note: My publications are organized by following categories, noted with the current total number for each category.

- (a) books/edited books
- (b) refereed journal articles
- (c) special issues edited
- (d) refereed book chapters
- (e) book reviews
- (f) conference proceedings
- (g) technical reports

A. Edited Books

[ANNOTATIONS: ^ψ = peer reviewed, [†] = empirically-based, [‡] = publication with student(s), ^φ = invited]

- ^ψ Dennen, V., Dickson-Deane, C., Ge, X., Ifenthaler, D., Murthy, S., & Richardson, J. C. (Eds.). (2022). [Global perspectives on educational innovations for emergency situations](https://doi.org/10.1007/978-3-030-99634-5). Springer. <https://doi.org/10.1007/978-3-030-99634-5>
- ^ψ Ge, X., Ifenthaler, D., & Spector, J. M (Eds.). (2015) Emerging technologies for STEAM education: Full STEAM ahead. New York: Springer.
- ^{ψ†} Ifenthaler, D., Eseryel, D., & Ge, X. (Eds.). (2012) Assessment in game-based learning: Foundations, innovations, and perspectives. New York: Springer.

B. Refereed Journal Articles

[ANNOTATIONS: ^ψ = peer reviewed, [†] = empirically-based, [‡] = publication with student(s), ^φ = invited]

- ^{ψ†} Huang, K., Law, V., & Ge, X. (Under review) Exploring the relationship between students' information problem solving patterns and epistemic beliefs: A mixed methods sequential analysis study. *Journal of Computing in Higher Education*. [Submitted in 2023]
- ^{ψ†} Ge, X., Koh, K., & Hu, L. (Under review). Assessing student learning in a guided inquiry-based makerspace environment: Knowledge representation from expertise development perspective. *Educational Technology Research & Development*. [Submitted in 2022]
- ^{ψ‡‡} Koh, K., Petrella, J. B., & Ge, X. (Under review). School librarian-teacher co-teaching for learner-centered instruction. *Knowledge Quest*. [Submitted in 2022]
- ^{ψ‡‡} Koh, K., Ge, X., & Petrella, J. B. (2022). [Librarian-teacher Co-teaching and the Role of School Librarians in Facilitating Inquiry and Maker Learning](#). *School Library Research*, 25.
- ^{ψ†} Huang, Z., Kougianos, E., Ge, X., Wang, S., Chen, D., Cai, L. (2021). A systematic interdisciplinary engineering and technology model using cutting-edge technologies for STEM education. *IEEE Transactions on Education*. DOI: 10.1109/TE.2021.3062153.

- ^ψ Ge, X. (2021). Emotion matters for academic success: Implications of the Article by Jarrell, Harley, Lajoie, and Naismith (2017) for creating nurturing and supportive learning environments to help students manage their emotions. *Educational Technology Research and Development* (Online first). DOI: [10.1007/s11423-020-09925-8](https://doi.org/10.1007/s11423-020-09925-8)
- ^ψ Lee, C., Liu, Y., Moore, M., Ge, X., Siddique, Z. (2020). Enhancement of stay-at-home learning for the biomechanics laboratory course during COVID-19 pandemic. *Biomedical Engineering Education* (Online first). <https://doi.org/10.1007/s43683-020-00025-w>
- ^{ψ ‡} Huang, K., Law, V., Ge, X., Hu, L., & Chen, Y. (2019). Exploring patterns in undergraduate students' information problem solving: A crosscase comparison study. *Knowledge Management & E-Learning*, 11(4), 428–448. <https://doi.org/10.34105/j.kmel.2019.11.023>
- ^{ψ †} Durley, H. K., & Ge, X. (2019). Social discourse and collaboration influencing teachers' cognition and metacognition for problem solving in open-ended professional development. *New Waves: Educational Research & Development*, 22(1), 55-71. Retrieved from http://www.viethconsulting.com/members/publication/new_waves_home.php? (ISSN: 1526-8659)
- ^{ψ ‡} Ge, X., Turk, M., & Hung, W. (2019). Revisiting cognitive tools from a social and motivational perspective. *Australasian Journal of Educational Technology*, 35(2), 39-51. <https://doi.org/10.14742/ajet.4887>
- ^{ψ †} Tawfik, A., Law, V., Ge, X., Xing, W., & Kim, K. (2018). The effect of sustained vs. faded scaffolding on students' argumentation in ill-structured problem solving. *Computers in Human Behavior*, 87, 436-449. <https://doi.org/10.1016/j.chb.2018.01.035> [*Note : Recipient of Association for Educational Communications and Technology (AECT) "Outstanding Journal Article Award" by AECT Research and Theory Division]
- ^{ψ †} Wang, M., Kirschner, P. A., Spector, J. M., Ge, X. (2018). Guest Editorial for Special Issue: "Computer-based Learning Environments for Deeper Learning in Problem-solving Contexts", *Computers in Human Behavior*, 87, 403-405. <https://www.journals.elsevier.com/computers-in-human-behavior>
- ^{ψ †} Huang, K., Ge, X., & Law, V. (2017). Deep and surface processing of instructor's feedback in an online course. *Journal of Educational Technology & Society*, 20(4), 247-260. Available at: http://www.ifets.info/journals/20_4/22.pdf
- ^{ψ †} Wang, M., Derry, S. & Ge, X. (2017). Guest Editorial: Fostering deep learning in problem-solving contexts with the support of technology. *Journal of Educational Technology & Society*, 20(4), 162-165. Available at: http://www.ifets.info/journals/20_4/15.pdf
- ^{ψ † †} Huang, K., Ge, X., & Eseryel, D. (2017). Metaconceptually-enhanced simulation-based inquiry learning: Effects on 8th grade students' conceptual change and science epistemic beliefs. *Educational Technology Research and Development*, 65(1), 75-100. DOI: [10.1007/s11423-016-9462-5](https://doi.org/10.1007/s11423-016-9462-5) [Impact Factor: 1.728]
- ^{ψ ‡} Ge, X., Law, V., & Huang, K. (2016). Detangling the interrelationships between self-regulation and ill-structured problem solving in problem-based learning. *Interdisciplinary Journal of Problem-based Learning*, 10(2). Available at: <http://dx.doi.org/10.7771/1541-5015.1622>
- ^{ψ † †} Law, V., Ge, X. Eseryel, D. (2016). The development of a self-regulation in a collaborative context scale. *Technology, Knowledge and Learning*, 21, 243–253. DOI: [10.1007/s10758-016-9274-z](https://doi.org/10.1007/s10758-016-9274-z)
- ^ψ Ge, X., Planas, L., & Huang, K. (2015) Guest Editors' Introduction: Special Issue on Problem-based Learning in Health Professions Education /Toward advancement of problem-based learning research and practice in health professions education: Motivating learners, facilitating processes, and supporting with technology.

Interdisciplinary Journal of Problem-based Learning, 9(1), 1-8. Available at:
<http://dx.doi.org/10.7771/1541-5015.1550>

- ^{ψ†} Du, J., Ge, X., & Xu, J. (2015). Online collaborative learning activities: The perspectives of African American female students. *Computers & Education*, 82, 152–161. DOI:10.1016/j.compedu.2014.11.014
- ^{ψ†‡} Eseryel, D., Law, V., Ifenthaler, D., Ge, X., & Miller, R. B. (2014). An investigation of the interrelationships between motivation, engagement, and complex problem solving in game-based learning. *Educational Technology & Society*, 17(1), 42–53.
- ^φ Eseryel, D., Ifenthaler, D., & Ge, X. (2013). Special Issue: Towards innovation in complex problem solving research, *Educational Technology Research & Development*, 61(3), 359-363.
- ^{ψ†} Eseryel, D., Ifenthaler, D., & Ge, X. (2013). Validation study of a method for assessing complex ill-structured problem solving by using causal representations, *Educational Technology Research & Development*, 61(3), 443-463.
- ^φ Blackmore, S., Fouad, N., Kagan, J., Kosslyn, S., Posner, M., Sternberg, R., Driscoll, M., Ge, X., & Patrick, P. (2013). *Psychology*. Special issue of *Educational Technology*, 53(5), 53-63.
- [NOTE: This is a special issue edited by Gordon Rowland on the topic “Exploring innovation in educational technology via connections with related disciplines”. I was invited as one of the experts representing educational technology to join a panel with experts from the discipline of psychology in an intellectual dialogue about innovation in educational technology via connections with psychology.]
- ^{ψ†} Du, J., Ge, X., & Zhang, K. (2012). Graduate students’ perceptions and experiences of online collaborative learning in Web-based and Web-supplemented learning environments. *International Journal of Information and Communication Technology Education (IJICTE)*, 8(4), 62-74. doi:10.4018/jicte.2012100106
- ^{ψ†‡} Lubin, I. A., & Ge, X. (2012). Investigating the influences of a LEAPS model on preservice teachers’ problem solving, metacognition, and motivation in an educational technology course. *Educational Technology Research & Development*, 60(2), 239-270. DOI: 10.1007/s11423-011-9224-3
- ^{ψ†‡} Eseryel, D., Ge, X., Ifenthaler, D., & Law, V. (2011). Dynamic modeling as a cognitive regulation scaffold for developing complex problem-solving skills in an educational massively multiplayer online game environment. *Journal of Educational Computing Research*, 45(3), 265-286. [*Note: This article was awarded “2012 Outstanding Journal Article Award” by Association for Educational Communications and Technology (AECT)]
- ^φ Ge, X., (2011). Editorial: Creating, supporting, sustaining and evaluating virtual learning communities. *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 3(4), 507-512.
- ^{ψ†‡} Law, V., Ge, X., & Eseryel, D. (2011). An investigation of the development of a reflective virtual learning community in an ill-structured domain of instructional design. *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 3(4), 513-533.
- ^{ψ†‡} Huang, K., Lubin, I. A., & Ge, X. (2011). Situated learning in an educational technology course for pre-service teachers. *Teaching and Teacher Education*, 27(8), 1200-1212. DOI: 10.1016/j.tate.2011.06.006
- ^{ψ†} Thomas, M. K., Ge, X., & Greene, B. A. (2011) Fostering 21st century skill development by engaging students in authentic game design projects in a high school computer programming class. *Journal of Educational Computing Research*, 44(4), 391-408.
- ^{ψ†‡} Ge, X., Lubin, I. A., & Zhang, K. (2010). An investigation of faculty’s perceptions and experiences when

transiting to a new Learning Management System. Special issue: Web-Based Learning: Innovations and Challenges. *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 2(4), 433-447.

- ^{Ψ†‡} Ge, X., Huang, K., Dong, Y. (2010). An investigation of an Open-Source software development environment in a software engineering graduate course. Special issue on PBL in Engineering Education, *Interdisciplinary Journal of Problem-based Learning*, 4(2), 94-120.
- ^{Ψ†‡} Ge, X., Planas, L. G., & Er, N. (2010). A cognitive support system to scaffold students' problem-based learning in a Web-based learning environment. *Interdisciplinary Journal of Problem-based Learning*, 4(1), 30-56.
- ^{Ψ†} Ge, X., & Hardré, P. L. (2010). Self-processes and learning environment influencing expertise development in instructional design. *Learning Environments Research*, 13(1), 23-41. doi: 10.1007/s10984-009-9064-9.
- ^{Ψ†‡} Kauffman, D., Ge, X., Xie, K., & Chen, C. (2008). Prompting in web-based environments: Supporting self-monitoring and problem solving skills in college students. *Journal of Educational Computing Research*, 38(2), 115 - 137.
- ^{Ψ†} Land, S. M., Choi, I., & Ge, X. (2007). Scaffolding online discussions to promote reflection and revision of understanding. *International Journal of Instructional Media*, 34(4), 1-10.
- ^{Ψ†} Hardré, P. L., Ge, X., & Thomas, M. K. (2006). A qualitative study of the development of instructional design expertise. *Performance Improvement Quarterly*, 19(4), 63-90.
- ^Ψ Ge, X., Thomas, M. K., Greene, B. (2006). Technology-Rich ethnography for examining the transition to authentic problem-solving in a high school computer programming class. *Journal of Educational Computing Research*, 34(4), 319-352.
- ^{Ψ‡} Huang, K., Dong, Y., & Ge, X. (2006). From, by, and for the OSSD: Software engineering education using open source software approach and ideal. *Innovate: Journal of Online Education*, 3(1). Retrieved October 1, 2006, from <http://www.innovateonline.info/index.php?view=article&id=324>
- ^{Ψ‡} Chen, C. H., & Ge, X. (2006). The design of a web-based cognitive modeling system to support ill-structured problem solving. *British Journal of Educational Technology*, 37(2), 299-302.
- ^{Ψ†‡} Ge, X., Chen, C. H., & Davis, K. A. (2005). Scaffolding novice instructional designers' problem-solving processes using question prompts in a web-based learning environment. *Journal of Educational Computing Research*, 33(2), 219-248. doi: 10.2190/5F6J-HHVF-2U2B-8T3G
- ^{Ψ†‡} Ge, X., & Er, N. (2005). An online support system to scaffold complex problem solving in real-world contexts. *Interactive Learning Environments*, 13(3), 139-157.
- ^{Ψ†} Hardré, P. L., Ge, X., & Thomas, M. K. (2005). Toward a model of development for instructional design expertise. *Educational Technology*, 45(1), 53-57.
- ^{Ψ†} Ge, X., & Land, S. M. (2004). A conceptual framework for scaffolding ill-structured problem-solving processes using question prompts and peer interactions. *Educational Technology Research and Development*, 52(2), 5-22. [*Note: This article was awarded "2003 Young Scholar Award" by Educational Technology Research and Development (ETR&D)]
- ^{Ψ†} Ge, X., & Land, S. M. (2003). Scaffolding students' problem-solving processes in an ill-structured task using question prompts and peer interactions. *Educational Technology Research and Development*, 51(1), 21-38. [*Note: This article was awarded "2004 Outstanding Journal Article Award" by Association for Educational Communications and Technology (AECT)]

^{ψ†} Ge, X., Lee, J., & Yamashiro, K. A. (2003). Role-playing a legend in Virtual Reality. *Academic Exchange Quarterly*, 7(2), 257-261.

^φ Brill, J., Choi, I., Ge, X., Glazer, E., & Ku, H. (2001). Reflections from the intern experience. *Tech Trends*, 45(1), 19-23.

^{ψ†} Ge, X., Yamashiro, K. A., & Lee, J. (2000). Pre-class planning to scaffold students for online collaborative learning activities. *Educational Technology & Society*, 3(3), 159-168.

^ψ Yamashiro, K. A., Ge, X. & Lee, J. (1999). Applying a cost-benefits methodology to distance instruction and training, *Tech Times*.

Cantoni, G. P., & Ge, X. (1995). Teaching American Indian students. *Journal of Navajo Education*, 7(2), 40-42.

Ge, X. (1993). English language teaching at secondary schools in Singapore. *Fujian Foreign Languages*, 1/2.

Ge, X. (1991). Authentic listening comprehension. *Fujian Foreign Languages*, 1/2.

Ge, X. (1990). Aural training and pronunciation teaching. *Fujian Foreign Languages*, 1/2.

C. Special Issues Edited

Ge, X., Liu, J., & Li, Z. (Ongoing). Special Issue “Educational Design Research for Human Beings’ Learning Access – Centering Accessibility, Equity, and Inclusion”, [Educational Technology & Society](#).

Wang, M., Kirschner, P. A., Spector, J. M., Ge, X. (2018). Special Issue “Computer-based Learning Environments for Deeper Learning in Problem-solving Contexts”, *Computers in Human Behavior*, 87, 403-405. <https://www.journals.elsevier.com/computers-in-human-behavior>

Wang, M., Derry, S., Ge, X. (2017). Guest editors for Special Issue “Fostering Deep Learning in Problem Solving Contexts with Technology Support”, *Journal of Educational Technology & Society* <http://www.ifets.info/Announcements/1479911227.pdf>

Ge, X., Planas, L., & Huang, K. (2015) Guest editors for Special Issue on “Problem-based Learning in Health Professions Education” by *Interdisciplinary Journal of Problem-based Learning*, 9(1).

Eseryel, D., Ifenthaler, D., & Ge, X. (2013). Special Issue: Towards innovation in complex problem solving research, *Educational Technology Research & Development*, 61(3).

Ge, X., (2011). Editorial: Creating, supporting, sustaining and evaluating virtual learning communities. *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 3(4).

D. Refereed or Invited Book Chapters

[ANNOTATIONS: ^ψ = peer reviewed, [†] = empirically-based, [‡] = publication with student(s), ^φ = invited]

^{ψφ} Huang, K., & Ge, X. (In press, 2022). Deep and surface learning in ill-structured problem solving. *Routledge Encyclopedia of Education (The Educational Technology Section, Section Editor: Spector, M.)*

^{ψ†} Durley, H., & Ge, X. (2022). A family of K-12 educators’ innovative responses to overcome covid-19 challenges. In V. Dennen, C. Dickson-Deane, X. Ge, D. Ifenthaler, S. Murthy, & J. C. Richardson (Eds.). [Global perspectives on educational innovations for emergency situations](#) (pp.129-137). Springer. https://doi.org/10.1007/978-3-030-99634-5_13

- ^ψ Ge, X., & Huang, K. (2022). Designing online learning environments to support problem-based learning. In O. Zawack-Richter, & I. Jung (Eds.), [Handbook of Open, Distance and Digital Education](https://doi.org/10.1007/978-981-19-0351-9_76-1) (pp. . Springer. https://doi.org/10.1007/978-981-19-0351-9_76-1
- ^{ψ‡} Ge, X., Muftuoglu, A. C., & Brickell, S. (2022). Instructional design from the lens of self-regulated ill-structured problem solving: Research and practical applications. In J. E. Stefaniak & R. M. Reese (Eds.). *The Instructional Design Trainer’s Guide Authentic Practices and Considerations for Mentoring ID and Ed Tech Professionals* (pp. 77-89). Routledge. DOI: 10.4324/9781003109938-9
- ^{ψ†} Ge, X., Wilson, S. N., Singer, J. T. M., Thompson, W. M., Kornelson, K. A., Lajos, J., Roper, B., Elizondo, J. Reeder, S. L., Williams, L., & Kleiser, M. L. (2021). The iteration of design and assessment for a digital game to support reasoning in a college algebra course: The case of a design-based research study. In C. Aprea & D. Ifenthaler (Eds.), *Game-based Learning across the Disciplines* (pp. 273-295). Springer. DOI: [10.1007/978-3-030-75142-5_12](https://doi.org/10.1007/978-3-030-75142-5_12)
- ^{ψ†} Koh, K., Ge, X., Lee, L., Lewis, K., Simmons, S., & Nelson, L. (2021). Peace prescription: Inclusive making in school libraries. In M. Melo & J. T. Nichols (Eds.), *Re-making the library makerspace: Critical theories, reflections, and practices* (pp. 135-151). Sacramento, CA: Library Juice Press.
- ^φ Ge, X. (2021). Afterword: Considerations on pedagogical approaches in education and design thinking. In Taricani, E. (Ed.), *Design Thinking and Innovation in Learning* (pp. 113-115). Emerald Publishing Limited. <https://doi.org/10.1108/978-1-80071-108-220211010>
- ^{ψ‡†} Ge, X., & Wang, Q. (2021). Cultivating design thinking in an interdisciplinary collaborative project-based learning environment. In B. Hokanson, M. Exter, A. Grincewicz, M. Schmidt, and A. A. Tawfik (Eds.), *Intersections across disciplines: Interdisciplinary and learning design* (pp. 187-196). Springer.
- ^{ψφ} Law, V., Ge, X., & Huang, K. (2020). Understand learners’ challenges and scaffold their ill-structured problem solving in a technology-supported self-regulated learning environment. In M. J. Bishop, E. Boling, J. Elen, & V. Svihla (Eds.), *Handbook of research in educational communications and technology* (pp. 321-338). Association for Educational Communications and Technology, Springer.
- ^{‡φ} Ge, X., & Huang, K. (2019). Lindsey Jenkins: Piloting technology-supported case-based learning and implementing a curriculum change. In P., Ertmer, J. Quinn, & K. Glazewski (Eds.), *The ID CaseBook: Case studies in Instructional design* (5th ed.) (pp. 136-145). NY: Routledge.
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- ^{ψ†‡} Ge, X., Yang, Y. J., Liao, L., & Wolfe, E. G. (2015). Perceived affordances of a technology enhanced active learning classroom in promoting collaborative problem solving. In P. Isaías, P., J. M. Spector, D. Ifenthaler, & D. G. Sampson (Eds.), *E-Learning systems, environments and approaches: Theory and implementation* (pp. 305-322). New York: Springer.
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E. Book Reviews

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F. Refereed Conference Proceedings

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- ^{ψ †} Koh, K., Ge, X., Lewis, K., Simmons, S. Nelson, L., & Doucette, J. (2018). When Inquiry meets making: Demystifying inquiry-based making using guided inquiry design. In Kalir, J. H. (Ed.). *Proceedings of the 2018 Connected Learning Summit (Vol. 1)*. (p. 363). Pittsburgh, PA: ETC Press. ISSN: 2642-3626.
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- ^{ψ † ‡} Autrey, J. L., Ghaisas, S., Ge, X., Siddique, Z., & Mistree, F. (2018, June). An Experiential learning framework for improving engineering design, build, and test courses, 2018 Annual Conference of American Society for Engineering Education (ASEE) & Exposition. American Society for Engineering Education. Papers on Engineering Repository.
- ^{ψ †} Huang, K., Law, V., Ge, X. (2016). How do learners with different epistemic beliefs and needs for closure approach instructor's feedback to project? In C. K. Looi, U. Cress, U., & P. Reimann (Eds.), *Transforming Learning, Empowering Learnings. Proceedings of The 12th International Conference of the Learning Sciences (ICLS) 2016: Volume 2* (pp. 1256 – 1260). Singapore: International Society of the Learning Sciences. (ISBN: 978-0-9903550-8-3)

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- ^{ψ††} Ge, X., Yang, Y. J., Liao, L., & Wolfe, E. G. (2013). Perceived affordances of a technology enhanced active learning classroom in promoting collaborative problem solving. In D. G. Sampson, J. M. Spector, D. Ifenthaler, & P. Isaias (Eds.), *Proceedings from IADIS 2013: International Conference on Cognition and Exploratory Learning in Digital Age* (pp. 359–362). Fort Worth, TX. (ISBN: 978-989-8533-18-0)
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- ^{ψ†} McNeese, M. D., Theodorou, E., Ferzandi, L., Jefferson, T., Jr., & Ge, X. (2002). Distributed cognition in shared information spaces. *Proceedings from the 46th Annual Meeting of the Human Factors and Ergonomics Society: Human Factors and Ergonomics Society* (pp. 556-560). Santa Monica.
- ^{ψ†} Ge, X., & Land, S. M. (2001). Scaffolding students' ill-structured problem-solving processes using question prompts and peer interactions. *Proceedings from the Association of Educational Communication and Technology* (pp. 155-160). Atlanta, GA.
- ^{ψ†} Lee, J., Ge, X. & Yamashiro, K.A. (1999). Incorporating web-based and virtual reality instruction into a distance education course using the ADDIE model of instructional design. *Proceedings from AACE '99: WebNet World Conference on the WWW and Internet* (pp. 1470-1471). Chesapeake, VA.
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- ^{ψ†} Yamashiro, K. A., Lee, J. & Ge, X. (1999). The fruits of ADDIE: Instructional products of a Web-based distance education seminar using virtual reality. *Proceedings from the World Conference on the WWW and Internet Annual Convention, Honolulu, Hawaii.*

G. Technical Reports

- Koh, K., Ge, X., & Lee, L. (2019). *Learning in Libraries: Guided Inquiry Making and Learning in School Libraries. Administrator Interview Report.* Unpublished manuscript.
- Koh, K., Ge, X., & Petrella, J. (2019). *Learning in Libraries: Guided Inquiry Making and Learning in School Libraries. Educator Interview Report.* Unpublished manuscript.
- Koh, K, Ge., X., Lee, L., Turk, M., Rahaman, M., & Shrank, L. (2019). *Learning in Libraries: Guided Inquiry Making and Learning in School Libraries. Elementary School Report.* Unpublished manuscript.
- Koh, K, Ge., X., Lee, L., & Rahaman, M. (2019). *Learning in Libraries: Guided Inquiry Making and Learning in School Libraries. Middle School Report.* Unpublished manuscript.
- Koh, K, Ge., X., Lee, L., Turk, M., & Rahaman, M. (2019). *Learning in Libraries: Guided Inquiry Making and Learning in School Libraries. High School Report.* Unpublished manuscript.

Dissertation

- Ge, X. (2001). *Scaffolding students' problem-solving processes on an ill-structured task using question prompts and peer interactions (doctoral dissertation).* The Pennsylvania State University, University Park, PA. Retrieved from ProQuest Dissertations and Theses.

CONFERENCE PRESENTATIONS

[ANNOTATIONS: ^ψ = peer reviewed, [†] = empirically-based, [‡] = with student(s), ^φ = invited]

National & International Presentations

- ^{ψ†} Muftuoglu, A. C. & Ge, X. (2023, April). Digital games as cognitive tools in supporting complex and ill-structured problem solving: A multiple-case study. Paper presented at 2023 American Educational Research Association Annual Meeting, Chicago, IL.
- Ge, X. (2023, April). Making Constructivist Learning Feasible: Exploring Convergence of Virtual Reality and Learning Analytics for Future Research Directions. Discussant for the SIG TICL Symposium. presented at 2023 American Educational Research Association Annual Meeting, Chicago, IL.
- ^{ψ†} Huang, K., Law, V., Ge, X. (2022, October). Students' Challenges in Working on a Simulated Case Study: An Empirical Investigation. Paper presentation at 2022 Convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ‡‡} Muftuoglu, A. C. & Ge, X. (2022, October) Exploring Patterns of Self-Regulated Ill-Structured Problem Solving in Digital Games: A Case Study. Paper presentation at 2022 Convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψφ} Martindale, T., Ge, X., & Wagner, E. (2022, October). Graduate Student Assembly (GSA) - The Future of the Field. Panel discussion at 2022 Convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ†} Sabatnii, J. P., Todd, J. A., Liu, L., Hao, J, Ge, X. (2022, October) The Design of Collaborative Activities Across Disciplines to Promote Student Learning Agency Learning and Agency. Discussant for the symposium at 2022 American Educational Research Association Annual Meeting, San Diego, CA.
- ^{ψ†} Tang, H., Jiang, S., & Ge, X. (Discussant) (2021, November). Engineering Design – Agency in engineering design: Understanding the tradeoff between criteria and constraints in authentic epistemic practices. Featured Research Paper presented at 2021 Convention of the Association for Educational Communications and Technology (AECT), Chicago, IL.
- ^{ψ†} Ge, X. & Huang, K. (2021, November). Designing and facilitating online collaboration for problem-based learning. Paper presented at 2021 Convention of the Association for Educational Communications and Technology (AECT), Chicago, IL.
- ^{ψ‡‡} Ge, X., Brickell, S., & Muftuoglu, A. C. (2021, November). Developing self-regulated problem solving mindset for novice instructional designers. Paper presented at 2021 Convention of the Association for Educational Communications and Technology (AECT), Chicago, IL.
- ^{ψ†φ} Ge, X. (2021, November). A Self-regulated Ill-structured problem-solving framework and implications for research of learning design and technology. Invited presentation for the at 2021 Convention of the Association for Educational Communications and Technology (AECT) for the ETR&D "Distinguished Development Award."
- ^{ψ†} Singer, J. T. M., & Ge, X. (2021, April 8-12). Design-based research for developing an educational game and assessment to support student reasoning in algebra [Paper Presentation]. American Educational Research Association Annual Meeting (Virtual).
- ^φ Ge, X., Durley, H., Hall, J., Hudnell, T., Neumann, K., Russo, T. (2021, March 31 – April 2). Innovative responses to emergency situations: COVID-19 lessons for our educational future. [Invited Panel Discussion]. SITE 2021 Virtual Conference - Society for Information Technology & Teacher Education

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- ^{ψ‡} Porterfield, C., & Ge, X. (2020, Nov. 2-7). Virtual Reality Across Professions [Paper Presentation]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψ††} Brickell, S., & Ge, X. (2020, Nov. 2-7). Internal and External Factors Influencing Expertise Development in Workplace: Experiences, Motivation, Self-Reflection, Training and Mentoring [Paper Presentation]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψ†} Huang, K., & Ge, X. (2020, Nov. 2-7). Deep and Surface Learning Approaches in the Context of Solving Ill-Structured Problems [Paper Presentation]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^φ Ge, X., Ifenthaler, D., Bali, M., Pallitt, N., McKenney, S., Hudnell, T. C., Dennan, V., Asino, T. (2020, Nov. 2-7). Presidential Panel: From COVID-19 to Adaptive Education in Times of Emergency and Crisis (II). [Presidential Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψφ} Ge, X., Dickson-Deane, C., Durley, H. K., Lee, I., Murthy, S., Suzuki, K., Goda, Y., Takabayashi, T., Richardson, J., G, X. Bonk, C. J., Martin, F. Presidential Panel: From COVID-19 to Adaptive Education in Times of Emergency and Crisis (I). [Presidential Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψφ} Tristan, E. J., Hakan, C., Ge, X., Gu, X., Huang, W. D., Ifenthaler, D., Lin, L. et al. (2020, Nov. 2-7). Big Research and Development Challenges in Educational Technology: A Multidimensional Perspective on Challenges that Have Key Importance Now and in the Future [Presidential Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψφ} Tang, H., Liu, J., Hong, Z., Ge, X., Lockee, B., Carr-Chellman, A., Larson, M. B., Tu, C. H., Zhang, K., Bona, S. K. (2020, Nov. 2-7). Preparation for a Cross-cultural IDT Career: Polishing Your Negotiation Skills [Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψφ} Hung, W., Dabbagh, N., Ge, X., Glazewski, K., Grant, M., & Moallem, M. (2020, Nov. 2-7). Invigorating Problem-based Learning (PBL) with Social and Cultural Considerations in Its Design and Research [Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψφ} Yang, I. G, Cho, E., Ge, X., Lee, J., & Kwon, K. (2020, Nov. 2-7). Emerging Trends and Issues of Educational Technology in Korea and the U.S.: Predicting the Future [Panel Discussion]. Association for Educational Communications and Technology Virtual Annual Convention.
- ^{ψ†} Thompson, W., Ge, X., Kornelson, K., Reeder, S., Wilson, S. N. & Elizondo, J. (2020, Apr 17 - 21) Validating Students' Performance and Assessment Items by Analyzing Embedded Data in an Educational Game [Paper Session]. American Educational Research Association Annual Meeting San Francisco, CA <http://tinyurl.com/u7mwt3j> (Conference Canceled)
- ^{ψ††} Law, V., Huang, K., Chen, Y., Hu, L. & Ge, X. (2020, Apr 17 - 21) Discovering the Relationship Between Information Problem-Solving Patterns and Epistemic Beliefs: A Sequential Analysis [Roundtable Session]. American Educational Research Association Annual Meeting San Francisco, CA <http://tinyurl.com/yx7ppatl> (Conference Canceled)
- ^{ψ††} Ge, X., Chua, B., Koh, K., Rahaman, M. S., Nie, Y., Chye, S. Y. & Liem, G. D. (2020, Apr 17 - 21) Cross-Case Comparison of Secondary School Learners' Problem-Based Learning Experiences Between Singapore and the United States [Symposium]. American Educational Research Association Annual Meeting San Francisco, CA <http://tinyurl.com/qwkqmh7> (Conference Canceled)

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- ^{ψ†‡} Ge, X., Koh, K., Hu, L., Turk, M., & Nelson, L. B. (2020, Apr 17 - 21) Learners' Knowledge Representation Through Maker Artifacts in an Inquiry-Based Maker Learning Environment [Poster Session]. American Educational Research Association Annual Meeting San Francisco, CA <http://tinyurl.com/qk2f5nr> (Conference Canceled)
- ^{ψ†} Ge, X., Koh, K., Lewis, K., Nelson, L., Simmons, S., & Doucette, J. (October, 2019). Maker learning with guided inquiry design: A showcase of design-based research in K-12 Education. Presented at the annual convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ†} Huang, K., Chen, Y., Hu, L., Ge, X., & Law, V. (October, 2019). Exploring patterns in undergraduate students' information problem solving: A cross-case comparisons analysis. Paper presented at the annual convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψφ} Ge, X. (October, 2019). Graduate Student Assembly: A Conversation with the AECT President-Elect. the annual convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^ψ Liu, C., Horton, A. M., Rogers, S., E., Spector, J. M., Reeves, T. C., Ge, X., Xie, K., Bradshaw, A., Subramony, D. P. (October, 2019). Collaborative research: From proposals to scholarship representation. Panel discussion at the annual convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψφ} Dennen, V., Ge, X., Reeves, T., Young, P., Veletsianos, G. (October, 2019). Provocations to envision the future of the educational technology field, panel discussion, organized by Romero-Hall, E. and Aldemir, T. to be presented at the annual convention of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ†} Koh, K., Ge, X., Lee, L., Lewis, K., Simmons, S., Nelson, L., & Doucette, J. (October, 2019) Fostering information literacy through autonomy and guidance in the inquiry and maker Learning environments. Research paper presented at 2019 Connected Learning Summit, University of California, Irvine, CA.
- ^{ψφ} Ashley, W., Gabriella, R., Ge, X., & Weible, J., (August 2019). Panel discussion. Design and research guidelines for diverse makerspaces. Moderators: Willet, B. S., & Tiwari, S., Graduate Student Assembly of the Association for Educational Communications and Technology (AECT), [Online]
- ^{ψ†} Ge, X., Chen, C.H., Law, V., Hu, L., & Chen, Y. (June, 2019). The role of prior knowledge and prior experience on collaborative versus individual problem solving. Paper presented at 2019 EdMedia + Innovate Learning, Amsterdam, Netherlands.
- ^{ψφ} Ge, X., & Chua, B. L. (July, 2019). The role of self-directed learning and its implications for designing scaffolding in PBL. Featured Presentation. PBL 2019 Immersive Virtual International Conference.
- ^{ψ†} Ge, X., Koh, K., Chancey, J., Lee, N., Lewis, K., Doucette, J., Simmons, S. (April, 2019). Bounded Autonomy: Students' Maker Learning Experiences in Public High School English Inquiry Units. Paper presented at the annual meeting of American Educational Research Association, Toronto, Canada.
- ^{ψ†} Tawfik, A., Law, V., Ge, X., Xing, W., & Kim, K. (October, 2018). The effect of sustained vs faded scaffolding on students' argumentation in ill-structured problem solving. Paper presented at the annual meeting of at the annual meeting of the Association for Educational Communications and Technology, Kansas City, MO.
- ^{ψ†} Koh, K., & Ge, X. (August, 2018). When inquiry meets making: Demystifying inquiry-based making using guided inquiry design. Paper presented at 2018 Connected Learning Summit at the MIT Media Lab, Cambridge, MA.

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- ^{ψ†} Ge, X., Allen, J. K., Mistree, F. (July, 2018). Career sustaining competencies for managing disruptions and innovative problem solving in a digitized world. Presented at the 18th IEEE International Conference on Advanced Learning Technologies (ICALT), Bombay, India.
- ^{ψ††} Autrey, J. L., Ghaisas, S., Ge, X., Siddique, Z., & Mistree, F. (June, 2018). An Experiential learning framework for improving engineering design, build, and test courses, Paper presented at 2018 Annual Conference of American Society for Engineering Education (ASEE) & Exposition, Salt Lake City, UT.
- ^{ψφ} Lewis, K., Koh, K., Simmons, S., Lee, N., Doucette, J., Ge, X. (May, 2018). The 2018 STEM for All Video Showcase: Transforming the Educational Landscape. Sponsored by TERC with NSF funding (award #1642187). <http://stemforall2018.videohall.com/>
- ^{ψφ} Moderators: Bonk, C., & Lin, L., Featured Panel: Ge, X., Kowch, E., Ifenthaler, D., Ji-Yeon L., Han X., & Spector, M. (November, 2017). Topic: Confucius and Socrates? Cultural perspectives for leading, mentoring, learning, and change. Featured panel session at the annual meeting of the Society of International Chinese in Educational Technology, the Association for Educational Communications and Technology International Convention, Jacksonville, FL.
- ^{ψφ} Organizer: Choi, I.; Presenters: Rong, H., Palmer, R., Mishra, S. D., Choi, J., Howington, Z, Walters, K., Kim, S., Woods, E. R., Shin, S., Qian, Y., Das, S.; Discussants: Ge, X., & Tawfik, A. (November, 2017). Exploring innovative ways to assess real-world problem-solving abilities. The annual meeting of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ††} Wang, Q., & Ge, X. (November, 2017). International students' perceptions and experiences with an interdisciplinary space design project. Paper presented at the annual meeting at the Society of International Chinese in Educational Technology, the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ††} Wang, Q., & Ge, X. (November, 2017). Group experience: The roles of knowledge and experience and goal orientations, Poster session presented at the annual meeting of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ††} Ge, X., & Wang, Q. (May, 2017). A Design Architecture for Supporting Interdisciplinary Problem-based Learning with Technologies. Poster session titled, "Scaffolding Learning in PBL with Argumentation and Technology", presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- ^{ψ†} Ge, X., Chen, C. H., & Law, V. (April, 2017). All about Problems: Considerations of PBL Problems for Learning Processes and Outcomes. Paper presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- ^{ψ†} Huang, K., Ge, X., Law, V. (April, 2017). Fostering Deep Learning in Problem-Solving Contexts through Effective Design of Learning Environments with Technology Support. Poster presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- ^{ψ†} Huang, K., Law, V., Ge, X. & Yu, C. (April, 2017). The Role of Epistemic Beliefs in the Process of Solving an Information Problem. Paper presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- ^{ψ††} Durley, H., Ge, X., Mumme, A., & Guo, S. (April, 2017). Action Research: Implementing PBL Practice at an Inner City School. Symposium presented at the annual meeting of Chinese American Educational Research and Development Association, San Antonio, TX.

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- ^{ψ†} Durley, H. & Ge, X. (April, 2017). Social Discourse in a Teacher's Cognitive and Metacognitive Process. Paper presented at the annual meeting of Chinese American Educational Research and Development Association, San Antonio, TX.
- ^{ψ‡} Ge, X., Ifenthaler, D., & Spector, M. (October, 2016). STEAM Education and Emerging Technologies: Moving Forward. Panel discussion organized and presented at the annual meeting of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ†} Law, V., Tawfik, A., Ge, X. (October, 2016). Fading of Scaffolds in Argumentation during Ill-Structured Problem-Solving Tasks. Presentation at the annual meeting of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψ††} Ognev, D., & Ge, X. (October, 2016). Robotics Club Coaches' Efforts in Recruiting, Engaging, and Retaining Female Students: A Case Study. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Las Vegas, NV.
- ^{ψφ} Ge, X., Law, V., & Tawfik, A. (June, 2016). The Design of Scaffolding and Fading: Research Issues and Challenges. Research presented at the workshop "Computer-Based Learning Environments for Deep Learning in Inquiry and Problem-Solving Contexts" organized by Wang, M., Kirschner, P.A., Bridges, S. M. at the 12th International Conference of the Learning Sciences, Singapore.
- ^{ψ†} Huang, K., Law, V., & Ge, X. (June, 2016). How do Learners with Different Epistemic Beliefs and Needs for Closure Approach Instructor's Feedback in Project-Based Learning? Poster presented at the 12th International Conference of the Learning Sciences, Singapore.
- ^{ψ††} Ge, X., & Wang, Q. (June, 2016). A Design Framework for ICT-Supported Interdisciplinary Collaborative Problem Solving. Paper presented at the International Problem-based Learning 2016 Conference, Zürich, Switzerland.
- ^{ψ††} Ge, X., & Wang, Q. (April, 2016). An Investigation of Group Dynamics and Group Processes in Interdisciplinary Teams on an Ill-Structured Problem Solving Project. Paper presented at the annual meeting of American Educational Research Association, Washington, D.C.
- ^{ψ†} Tawfik, A., Law, V., Ge, X. (April, 2016). The Design of Scaffolding Process: Effects of Question Prompts and Its Fading. Paper presented at the annual meeting of American Educational Research Association, Washington, D.C.
- ^{ψ†} Huang, K., Law, V., & Ge, X. (April, 2016). Epistemic Beliefs and Need for Closure: Effects on Students' Responses to Feedback in a Problem-Based Learning Environment. Paper presented at the annual meeting of American Educational Research Association, Washington, D.C.
- ^{ψ††} Ge, X., & Wang, Q. (October, 2015) An Investigation of Technology-Supported Collaborative Problem Solving among Students of Interdisciplinary Teams. Paper presented for the annual E-LEARN 2015 - World Conference on E-Learning, Kona, Hawaii.
- ^{ψ†} Golding-Ross, K., Ge, X. (2015). Exploring the Graduate Students' Experience: An Evaluation of Graduate Programs in an Education Department. Paper accepted for the 64th annual conference of American Association for Adult and Continuing Education (AAACE), Oklahoma City, OK.
- ^{ψ††} Ge, X., Liao, L., & Yang, Y. (April, 2015). Epistemic Beliefs and Perceived Affordances: An Investigation of Professors' Use of a Technology-enhanced Active Learning Classroom. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.

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- ^{ψ††} Law, V., Ge, X., & Eseryel, D. (April, 2015) Development of a Self-Regulation in a Social Context Scale in a Collaborative Problem Solving Environment. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.
- ^{ψ††} Law, V., Ge, X., & Eseryel, D. (November, 2014). Effects of self-regulation and co-regulation on collaborative ill-structured problem-solving. Paper to be presented at the annual international convention of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ††} Law, V., Huang, K., & Ge, X. (November, 2014). A meta-analysis of the scaffolding effects of question prompts in technology-supported learning environments. Paper presented at the annual international convention of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ†} Calton, A., Ge, X., Redbird-Post, M., & Wang, M. (November, 2014). The Kiowa language and culture revitalization: Designing a community-based learning model for an endangered language. Design & Development Showcase at the annual international convention of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ†} Ge, X., Carlton, A., Redbird-Post, M., & Wang, M. (July, 2014). The Kiowa language and culture revitalization: Designing a community-based learning model for an endangered language. Paper presented at the Association for Educational Communications and Technology 2014 Summer Research Symposium, Jacksonville, FL.
- ^ψ Chen, C-H., & Ge, X. (April, 2014). Assess knowledge acquisition using concept mapping method in a problem-based learning environment. Symposium presentation at the annual meeting of American Educational Research Association, Philadelphia, PA.
- ^ψ Azzarello, J., Ge, X., Westfall, S. & Hubbard, W. (March, 2014). Lessons Learned: Developing an Intelligent Tutoring System on Self-Monitoring of Blood Glucose. Paper presented at the Annual Conference of the Midwest Nursing Research Society, St. Louis, IL.
- ^{ψ††} McCuen, T., & Ge, X. (October, 2013). "Visual Selves": Construction science students' perceptions about their abilities to represent spatial related problems internally and externally. Paper presented at the Annual International Conference on Cognition and Exploratory Learning in Digital Age, Fort Worth, TX.
- ^{ψ††} Ge, X., Yang, Y.J., Liao, L., & Wolfe, E. G. (October, 2013). Perceived affordances of a technology-enhanced active learning classroom in promoting collaborative problem solving. Paper presented at the Annual International Conference on Cognition and Exploratory Learning in Digital Age. Fort Worth, TX.
- ^{ψ††} McCuen, T., & Ge, X. A (April-May, 2013). Comparison of 2D and 3D problem representations in science, technology, engineering, mathematics (STEM) disciplines. Poster presented at the American Educational Research Association's Instructional Technology, San Francisco, CA.
- ^{ψ††} Ifenthaler, D., Eseryel, D., Ge, X., Law, V., & Miller, R. (April-May, 2013). Do cognitive structure and motivation influence problem representation in game-based learning? Poster presented at the American Educational Research Association's Instructional Technology, San Francisco, CA.
- ^{ψ†} Ifenthaler, D., Eseryel, D., & Ge, X. (2012). Assessment in game-based learning: Foundations, Innovations, and Perspectives. Panel session organized and presented at the Annual Meeting of the Association for Educational Communications and Technology, Louisville, KY.
- ^{ψ††} Law, V., Ge, X., & Eseryel, D. (2012). Dynamics of the social aspects of self-regulation during ill-structured collaborative problem solving. Presented at the Annual Meeting of the Association for Educational Communications and Technology, Louisville, KY. [2012 AECT Featured Research Paper]

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- ^ψ Bradshaw, A., Ge, X., & Eseryel, D. (2012). Supporting students' philosophical development as a necessity in instructional design and technology. Panel session organized for the Professors of Instructional Design and Technology (PIDT) meeting at the Annual Meeting of the Association for Educational Communications and Technology, Louisville, KY.
- ^{ψ‡} Ge, X., & Liao, L. (2012). Linking open data to K-12 curricula: Situated cognition and interdisciplinary problem solving. Poster presented at the 2012 Knowledge Building Summer Institute, Toronto, Canada.
- ^{ψ††} Huang, K., Ge, X., & Eseryel, D. (2012). Metaconceptually enhanced simulation-based inquiry learning: Effects on the eighth-grade physics students' conceptual change and epistemological beliefs. Paper presented at the American Educational Research Association's Instructional Technology SIG: Simulations, Games, Multimedia, and Mobile Learning, Vancouver, BC.
- ^{ψ††} Durley, H. C. K., & Ge, X. (2012). Exploring cognitive and metacognitive processes of teachers in an open-ended learning environment. Paper presented at the American Educational Research Association's Instructional Technology SIG: Explorations of Professional Development and Other Factors That Impact Teacher Learning and Technology Integration, Vancouver, BC.
- ^{ψ††} Eseryel, D., Miller, R. B., Law, V., Ifenthaler, D., & Ge, X. (2012). An investigation of the interrelationships between motivation, game-play, and complex problem-solving in MMOG (Massively Multiplayer Online Game) learning environments. Paper presented at the American Educational Research Association's Instructional Technology SIG: Poster Session 1, Vancouver, BC.
- ^ψ Ge, X., Eseryel, D., Azevedo, R., & Hannafin, (2011). H. Scaffolding complex problem solving: Current state and future directions. Panel Discussion at the annual conference of 2011 Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ‡} Huang, T., Zhang, H., Higgins, E., Ge, X., & Bowers, B. (2011). The development of a simulation-based instruction to enhance nursing students, experience of four professional roles. Design & Development Showcase at the annual conference of the Association for Educational Communications and Technology, Jacksonville, FL.
- ^{ψ‡} Law, V., Ge, X., & Eseryel, D. (2011). Dimensions of social interactions contributing to knowledge construction and building in an online learning community. Presentation at the 9th International Conference on Computer-supported Collaborative Learning, Hong Kong.
- ^ψ Ge, X., Ifenthaler, D., & Eseryel, D. (2011). Organizer and Chair for the annual meeting of 2011 American Educational Research Association's SIG-Problem-Based Education Symposium "Assessing Complex Problem Solving: Theories, Methods, and Tools", New Orleans, LA.
- ^{ψ†} Ge, X., (2011). Discussant for the annual meeting of 2011 American Educational Research Association's SIG-Problem-Based Education Presentation Session "Assessing Student Responses in Varied Problem-Based Learning Environments", New Orleans, LA.
- ^{ψ†} Ge, X., (2011). Discussant for the annual meeting of 2011 American Educational Research Association's SIG-SIG-Instructional Technology Presentation Session "Scaffolding Students for Problem Solving With Technology", New Orleans, LA.
- ^ψ Ge, X., Planas, L. G., & Eseryel, D. (2011). Developing valid assessment methods and scoring rubrics to measure ill-structured problem-solving performance. Presented at the SIG-Problem-Based Education Symposium "Assessing Complex Problem Solving: Theories, Methods, and Tools", the 2011 annual meeting of the American Educational Research Association, New Orleans, LA.

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- ^{ψ†} Zhou, M., & Ge, X. (2011). Use of trace methods to assess information problem-solving skills, Presented at the SIG-Problem-Based Education Symposium “Assessing Complex Problem Solving: Theories, Methods, and Tools”, the 2011 annual meeting of the American Educational Research Association, New Orleans, LA.
- ^{ψ†} Eseryel, D, Ifenthaler, D., & Ge, X. (2011). Alternative assessment strategies for complex problem solving in game-based learning environments. Presented at the SIG-Problem-Based Education Symposium “Assessing Complex Problem Solving: Theories, Methods, and Tools”, the 2011 annual meeting of the American Educational Research Association, New Orleans, LA.
- ^{ψ†‡} Huang, K., Ge, X., & Eseryel, D. (2011). Metaconceptually-enhanced simulation-based inquiry learning: Effects on the 8th grade students’ conceptual change and science epistemological beliefs. Presented at the 2011 annual meeting of the American Educational Research Association, New Orleans, LA.
- ^{ψ†} Ge, X., & Ruan, J. (2011). The Impact of information and communication technologies in literacy education in China. Presented at the Global Learn Asia Pacific 2011 – Global Conference on Learning and Technology Conference, Melbourne, Australia.
- ^{ψ‡} Ge, X. (2010). Scaffold ill-structured problem solving processes through fostering self-regulation - A Web-based cognitive support system. Poster presented at the Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium 2010 on “Cognitive and Metacognitive Educational Systems” MCES 2010, Arlington, VA.
- ^{ψ†‡} Eseryel, D, Ge, X., Law, V., Hayes, T., Guo, Y. & Ifenthaler, D. (2010). Effects of digital game-based learning on motivation and complex problem-solving skills: Design implications. Presented at the annual conference of Association for Educational Communications and Technology (AECT), Anaheim, CA.
- ^{ψ†‡} Law, V., Ge, X., Eseryel, D. (2010). Development of instructional design expertise in a blended learning environment. Presented at the annual conference of Association for Educational Communications and Technology (AECT), Anaheim, CA.
- ^{ψ‡} Law, V., Ataman, I, Ge, X. (2010). Virtual Drug Lab – Pharmacokinetics in an open-ended learning environment. Design & Development Showcase at the annual convention of the Association for Educational Communications and Technology (AECT), Anaheim, CA.
- ^{ψ‡} Mendez, D., King, M.S., Ge, X. (2010). A motivational online training model to support job performance and self-regulation of LexisNexis. Design & Development Showcase at the annual convention of the Association for Educational Communications and Technology (AECT), Anaheim, CA.
- ^{ψ†‡} Planas, L. G., Ge, X., & Er, N. (2010). Development and validation of a rubric to assess student pharmacists’ problem-solving skills. Presented at the Annual Meeting and Seminars of American Association of Colleges of Pharmacy (AACCP), Seattle, WA.
- ^{ψ†‡} Eseryel, D., Ge, X., Ifenthaler, D., Miller, R., Law, V., Hayes, T. A., & Guo, Y. (2010). Longitudinal study on impact of digital game based learning on complex problem-solving skill acquisition: The effect of modeling as self-regulation scaffold. Presented at the SIG-IT, annual conference of American Educational Research Association, Denver, CO.
- ^ψ Eseryel, D., & Ge, X. (2010). Designing effective game-based learning environments: Implications for design research. Paper presented at “Educational Design Research: Local Change, Global Impact” - A Special Conference to Honor Professor Thomas C. Reeves Upon his Retirement from The University of Georgia, Athens, GA.

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- Ψ⁺⁺ Eseryel, D., Ifenthaler, D. & Ge, X. (2009). A validation study of a methodology for assessing progress of learning and complex, ill-structured problem solving in stem domains. Paper presented at the International Conference of International Association for Development of the Information Society (IADIS) on Cognition and Exploratory Learning in Digital Age (CELDA 2009), Rome, Italy.
- Ψ⁺⁺ Ge, X., Eseryel, D., Miller, R., Law, V., & Guo, Y., & Hayes, T. A. (2009). Implementing technology-rich design-based research: Complexities and challenges. Paper presented at the annual meeting of the international convention of Association for Educational Communications & Technology, Louisville, KY.
- Ψ⁺⁺ Eseryel, D., Ge, X., Law, V., Hayes, T. A., Guo, Y., & Ifenthaler, D. (2009). The effects of an educational massively multiplayer online game on students' complex problem solving skill acquisition. Paper presented at the concurrent paper session, annual meeting of the international convention of Association for Educational Communications & Technology, Louisville, KY.
- Ψ Ge, X. (2009). Design applications for classrooms and action research. Discussant for the Paper Session of SIG-Design and Technology at the annual conference of American Educational Research Association, San Diego, CA.
- Ψ⁺⁺ Ge, X., Huang, K., Dong, Y. (2009). Situated learning in an open-source software environment in a graduate software engineering course. Paper presented at the paper session "Learning Investigated: Impact of Strategies on the Learning Environment," SIG-Learning Environments, the annual conference of American Educational Research Association, San Diego, CA.
- Ψ⁺⁺ Ge, X., Huang, K., Dong, Y. (2009). An exploratory study of the OSS environment in a graduate course of software engineering. Poster presented at the session "Development, Teaching, and Learning in Postsecondary Education," Division J-Postsecondary Education of the annual conference of American Educational Research Association, San Diego, CA.
- Ψ⁺⁺ Miller, R. B., Eseryel, D., Ge, X. (2009). Surviving in Space: The effects of a massively multiplayer online game (MMOG) on students' motivation. Roundtable discussion for the session on "Student Motivation and Engagement", Division C- Cognitive, Social, and Motivational Processes, at the annual conference of American Educational Research Association, San Diego, CA.
- Ψ⁺⁺ Huang, K., Ge, X., Lubin, I. (2009). Problem solving in situated learning environment in an educational technology course. Presented at the SITE 2009--Society for Information Technology & Teacher Education International Conference, Charleston, SC.
- Ψ⁺ Ge, X., & Hardré, P. L. (2008). Self-processes and learning environment influencing the expertise development in instructional design. Paper presented at the annual conference of American Educational Research Association, New York City, NY.
- Ψ⁺⁺ Hayes, T., & Ge, X. (2008). Does a computer supported collaborative learning environment (CSCL) improve the quality of students' writing in the fifth grade? Paper presented at the 2008 International Conference for the Learning Sciences, Utrecht, the Netherlands.
- Ψ⁺ Cox, S. J., & Ge, X. (2008). Building learning objects through class collaborations: Precautions, perils and pitfalls. Paper presented at the 24th Annual Conference on Distance Teaching & Learning, University of Wisconsin-Madison, Madison, Wisconsin.
- Ψ⁺⁺ Thomas, M. K., Greene, B. A., & Ge, X. (2007). Discovering the potential of video game culture to support learning: Lessons learned from a high school computer programming class. Presented at the 12th Biennial Conference for Research on Learning and Instruction, European Association for Research on Learning and Instruction (EARLI), Budapest, Hungary.

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- Ψ^{††} Ge, X., Dong, Y., & Huang, K. (2007). An exploratory study of the open source software environment in a software engineering graduate course. Paper presented at ED-MEDIA 2007--World Conference on Educational Multimedia, Hypermedia & Telecommunications, Vancouver, Canada.
- Ψ^{††} Ge, X., Planas, L. G., Er, N. A. (2008). Cognitive support system to scaffold students' problem-based Learning. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.
- Ψ^{††} Lubin, I. A., Ge, X., & Zhang, K. (2007). An investigation of faculty's perceptions and experiences when transiting to a new course management system. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.
- Ψ^{††} Ge, X., Huang, K., & Lubin, I. (2007). Situated learning in a computer education course for pre-service teachers. Paper presented at the annual convention of Association of Educational Communications and Technology, Dallas, TX.
- Ψ[†] Huang, K., Ge, X., & Bowers, B. (2006). The Virtual Clinic: Simulated ethical decision making in nursing education. Paper presented at the annual convention of Association of Educational Communications and Technology, Dallas, TX.
- Ψ^{††} Ge, X., Dong, Y., & Huang, K. (2006). Shared knowledge construction process in an open-source software development community: An investigation of the Gallery community. Paper presented at the 7th International Conference of the Learning Sciences, Bloomington, IN.
- Ψ[†] Bowers, B., Ge, X., & Huang, K. (2006). An interdisciplinary collaborative model of Web course enhancement between the Department of Educational Psychology and the College of Nursing in a University Setting. Paper presented at ED-MEDIA 2006--World Conference on Educational Multimedia, Hypermedia & Telecommunication, Orlando, FL.
- Ψ^{††} Lubin, I., & Ge, X. (2006). A study comparing learning environments for teaching educational technology to pre-service teachers. Poster presented at the session of the annual meeting of American Educational Research Association, San Francisco, CA.
- Ψ^{††} Thomas, M. K., Ge, X., & Greene, B. A. (2006). Looking inside a computer programming class: Discovering positive influences of video gaming culture. Poster presented at the session of the annual meeting of American Educational Research Association, San Francisco, CA.
- Ψ^{††} Zhang, K., & Ge, X. (2006). Online collaborative learning in web-supplemented courses: Comparative case studies across time. Paper presented at the annual meeting of American Educational Research Association, San Francisco, CA.
- Ψ^{††} Ge, X., Du, J., Chen, C., & Huang, K. (2005). The effects of question prompts in scaffolding ill-structured problem solving in a Web-based learning environment. Paper presented at the annual meeting of Association of Educational Communications and Technology, Orlando, FL.
- Ψ^{††} Ge, X., Xie, K., Chen, C., & Kauffman, D. (2005). Prompting in web-based environments: Scaffolding ill-structured problem solving processes in college students. Poster presented at the annual meeting of Association of Educational Communications and Technology, Orlando, FL.
- Ψ^{††} Thomas, M. K., Hardre, P. L. & Ge, X. (2005). Extending our knowledge of the development of expertise in instructional design. Paper presented at the annual meeting of Association of Educational Communications and Technology, Orlando, FL.

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- ^{ψ‡} Xie, K., & Ge, X. (2005). Redefine the IDEAL model in the context of ill-structured problem solving. Paper presented at the annual meeting of Association of Educational Communications and Technology, Orlando, FL.
- ^{ψ‡} Xie, K., & Ge, X. (2005). Developing instructional design expertise with computer-based cognitive support. Poster presented at the annual meeting of Association of Educational Communications and Technology, Orlando, FL.
- ^{ψ††} Planas, L. G., Er, N. L., & Ge, X. (2005). A Web-based cognitive modeling system to scaffold pharmacy students' problem-solving skills. Poster presented at the annual meeting of American Association of Colleges of Pharmacy, Cincinnati, OH.
- ^{ψ††} Greene, B., Thomas, M., & Ge, X. (2005). Examining the transition to authentic problem-solving in a high school computer programming class. Poster presented at m-ICTE2005 – the 3rd International Conference on Multimedia and Information & Communication Technologies in Education, Caceres, Spain.
- ^{ψ††} Ge, X., Thomas, M., & Greene, B. (2005). Technology-rich ethnography for illuminating the transition to authentic problem-solving in a high school computer programming class. Paper presented at Division C, the annual meeting of American Educational Research Association, Montreal, Canada.
- ^{ψ††} Du, J., & Ge, X. (2005). A case study of students' perceptions of dynamics of online collaborative learning. Paper presented at SIG - Instructional Technology, the annual meeting of American Educational Research Association, Montreal, Canada.
- ^{ψ†} Hardré, P., Ge, X., & Thomas, M. (2005). An investigation of the development of instructional design expertise. Paper presented at Division C, the annual meeting of American Educational Research Association, Montreal, Canada.
- ^{ψ††} Kauffman, D., Ge, X., Chen, C., & Xie, K. (2005). Prompting in web-based environments: Scaffolding self-monitoring skills in college age students. Paper presented at Division C, the annual meeting of American Educational Research Association, Montreal, Canada.
- ^{ψ†} Zhang, K., & Ge, X. (2004). Online collaborative learning in hybrid courses: Comparative case studies across time and domains. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Chicago, IL.
- ^{ψ†} Hardré, P., Thomas, M., & Ge, X. (2004). The relationship between ID students' perceptions and their practice in instructional design. Poster presented at the annual meeting of Association of Educational Communications and Technology, Chicago, IL.
- ^{ψ‡} Ge, X., Er, N., Jen, F., & Iwami, M. (2004). Developing clinical communication skills in a constructive learning environment. Paper presented at the annual meeting on Distance Teaching and Learning, University of Wisconsin, Madison, Wisconsin.
- ^{ψ‡} McAdoo, S., Ge, X., Walker, H., Wilson, D., & Danker, D. (2004). A Peer Learning Community Model to sustain teachers' development in technology integration. Paper presented at the Summer Conference and Professional Development Institute, Association of Educational Communications and Technology, Denton, TX.
- ^{ψ††} Ge, X., & Chen, C. (2004). Scaffolding novices solving instructional design problems using question prompts. Paper presented at the annual meeting of American Educational Research Association, San Diego, CA.

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- ^{Ψ††} Ge, X., & Chen, C. (2004). A Web-based cognitive modeling system for novice instructional designers. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Anaheim, CA.
- ^{Ψ†} Zhang, K., & Ge, X. (2004). The dynamics of online collaboration: Tasks, processes, relationships and media. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Anaheim, CA.
- ^{Ψ††} Ge, X., & Mansell, R. A. (2003). Content analysis of knowledge construction in an instructor-led online discussion. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.
- ^{Ψ††} Ge, X., & Mansell, R. A. (2002). A case study of cognitive distribution and knowledge construction in an online discussion. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Dallas, TX.
- ^{Ψ†} Petersen, L. Y., Ge, X., Martin, J. E., & Yang, Y. (2002). Instructional transactions for developing self-determination in students with disabilities: GoalMaker – An interactive multimedia computer program. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Dallas, TX.
- ^{Ψ†} McNeese, M., Theodorou, E., Ferzandi, F., Tyrone, J., Jr., & Ge, X. (2002). Distributed cognition in shared information spaces: Initial assessment of knowledge acquisition-transfer factors. Poster presented at the annual meeting of Human Factors and Ergonomics Society, Baltimore, MD.
- ^{Ψ†} Ge, X., & Land, S. M. (2002). The effects of question prompts and peer interactions in scaffolding students' ill-structured problem-solving processes on an ill-structured task. Paper presented at the annual meeting of American Educational Research Association, New Orleans, LA.
- ^{Ψ†} McNeese, M., Theodorou, E., Ge, X., Brewer, I., & Spence, L. (2002). The role of distributed computer-supported cooperative learning in the acquisition and transfer of knowledge. Poster presented at the annual meeting of American Educational Research Association, New Orleans, LA.
- ^{Ψ†} Ge, X., & Land, S. M. (2001). Scaffolding students' ill-structured problem-solving processes using question prompts and peer interactions. Paper presented at the Association of Educational Communication and Technology, Atlanta, GA.
- ^{Ψ†} Ge, X., Yamashiro, K. A. & Lee, J. (2000). Scaffolding students for online collaborative learning activities. Paper presented at the annual meeting of American Educational Research Association, New Orleans, LA.
- ^{Ψ†} Ge, X., Yamashiro, K. A. & Lee, J. (2000). Immersing ESL/EFL students in virtual reality to construct a communicative and collaborative learning environment. Paper presented at the annual meeting of American Educational Research Association, New Orleans, LA.
- ^{Ψ†} Ge, X. (2000). Questioning and thinking: Cognitive scaffolding through ASK system. Paper presented at the annual meeting of Association for Educational Communications & Technology, Long Beach, CA.
- ^Ψ Spotts, J., Ge, X. (2000). Applying case-based reasoning to support group collaboration. Paper presented at the annual meeting of Association for Educational Communications & Technology, Long Beach, CA.
- ^Ψ Yamashiro, K. A., Ge, X., & Lee, J. (1999). Applying a cost-benefits methodology to distance instruction and training: Kearsley's Model revisited. Paper presented at the annual meeting of Pennsylvania Association of Educational Communications and Technology, Hershey, PA.

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- ^{ψ†} Yamashiro, K. A., Ge, X. & Lee, J. (1999). Role-Playing in The Palace: Incorporating virtual reality instruction into a distance education course. Paper presented at the annual meeting of Pennsylvania Association of Educational Communications and Technology, Hershey, PA.
- ^ψ Yamashiro, K. A., Lee, J. & Ge, X. (1999). Incorporating Web-based and virtual reality instruction into a distance education course using the ADDIE model of Instructional Design. Paper presented at the annual meeting of WebNet: World Conference on the WWW and Internet, Honolulu, Hawaii.
- ^ψ Ge, X., Armbruster, A., Choi, I., & Tan, S. (1999). Integrating technology in learning: Constructivist learning environment. Paper presented at the annual meeting of Association of Educational Communications and Technology, Houston, TX.
- ^{ψ†} Land, S., Choi, I., Ge, X., Toto, R., & Lai, T. (1999). Social scaffolding in Web environments: The collaboration, negotiation, and evaluation tool. Paper presented at the annual meeting of Association of Educational Communications and Technology, Houston, TX.
- ^ψ Yamashiro, K. A., Ge, X. & Lee, J. (1998). Instructional design for a satellite-delivered in service training session. Paper presented at the annual meeting of Pennsylvania Association of Educational Communications and Technology, Hershey, PA.
- ^ψ Ge, X., Wong, P.A., Pociotto, C. (1998). Critical pedagogy in ESL instruction. Colloquium presented at the annual meeting of Teaching English to Speakers of Other Languages (TESOL), Seattle, Washington.
- ^ψ Ge, X. (1997). The Internet: A vision of future distance education in China. Paper presented at the annual meeting of the Third World Conference, Chicago, IL.
- ^ψ Ge, X. (1993). A contrastive analysis between English intonation and Chinese tones and intonation. Paper presented at the 2nd annual meeting of China English as Foreign Language Teaching, Guilin, Guangxi, P. R. China.
- ^ψ Ge, X. (1992). Authentic listening comprehension. Paper Presentation and Proceedings of the 1st Annual Meeting of China EFLT (English as Foreign Language Teaching), Tianjin, P. R. China. [This paper won the "Excellent Paper Award."]

Regional, State, or Local Conferences

- ^{ψ††} Goldman, J. A., Heddy, B. C., Chancey, J. B., & Ge, X. (2017). Investigating the predictive relationship between transformative experience, interest, and emotions in middle school engineering. Paper presented at the bi-annual meeting of the Southwest Consortium for Innovative Psychology in Education. Las Vegas, NV.
- ^{ψ‡} Wang, Q., & Ge, X. (February, 2017) The Power of Words: Developing and Facilitating Inclusive Language Interactive Presentations. Paper presented at Decolonizing Education Research and Practice: Graduate Student Symposium. The University of Oklahoma. Norman, OK.
- ^ψ Ge, X. (October, 2015). STEAM Education to Support the Development of 21st Century Skills. Paper to be presented at the 2015 GET FIT Conference, Norman North High School, Norman, OK.
- ^{ψ††} Carlton, A., Redbird-Post, M., Wang, M., & Ge, X. (April, 2014). Designing a Community-based learning model for an endangered language – Kiowa. Paper presented at the 2014 meeting of Oklahoma Educational Studies Association (OESA) on "Reimagining Community: Education in a Democratic Society," Stillwater, OK.
- ^{ψ††} Eseryel, D., Ge, X., Miller, R., Guo, Y., Hayes, T., Law, V., & Swearingen, D. K. (2008). A longitudinal investigation on the impact of problem centered game-based instruction & model-facilitated simulation-

based instruction on student motivation, math achievement, and complex problem solving skill development. Paper presented at the K20 Engaged Research Conference, Norman, OK.

^{ψ††} Ge, X., Dong, Y., & Huang, K. (2007). An exploratory study of the open-source software environment in a graduate course. Paper presented at The Big 12 Educational Research Conference, Oklahoma City, OK.

KEYNOTE / INVITED PRESENTATIONS

- Ge, X. (Dec. 2, 2022). Designing, Developing, Evaluating, and Researching Online Learning Environments: Theoretical, Pedagogical, and Technological Affordances. Keynote Lecture to Nanjing Normal University, China. (Virtual)
- Ge, X. (Dec. 2, 2022). Trends, Topics and Methodology in Problem-based Learning Research. Participant of Round Table for Journals. The 5th Kongsu (Confucius & Socrates) Future Education Forum & International Joint Conference on Information, Media and Engineering (IJCIME 2022) (Virtual)
- Ge, X. (Dec. 2, 2022). Socially and Culturally Situated Learning Design Technology & Research. The 5th Kongsu (Confucius & Socrates) Future Education Forum & International Joint Conference on Information, Media and Engineering (IJCIME 2022) (Virtual)
- Ge, X. (Nov. 18, 2022). Designing, Evaluating, and Researching Online Learning Environments: Theoretical, Pedagogical, and Technological Affordances. The 21st International Forum on Educational Technology (IFET2022) (Virtual)
- McKinney, K. & Ge, X. (March 24, 2022). Early Childhood Education in China. Guest lecture delivered virtually to students and faculty of Quanzhou Vocational and Technical University, China. (Virtual)
- Ge, X. (December 19, 2021). AECT into the Future: Strategic Planning to Lead in the Field of Educational Technology (AECT 未来的走向: 引领教育技术领域的策略规划). Conference Commemorating 30th Anniversary of China Association for Educational Technology.
- Ge, X. (November, 2021), Designing Engaging Games to Support Complex Problem Solving. The 5th International Serious Games Convention, Iran Computer Games Foundation.
- Carr-Chellman, A., Ge, X., Wagner, E., & Wiley, D. (November, 2021). Innovating AECT. Keynote panel presentation at 2021 Convention of the Association for Educational Communications and Technology.
- Ge, X. (October 16-17, 2021). AECT into the Future: Strategic Planning to Lead in the Field of Educational Technology. Keynote presentation at 2021 Japanese Society of Educational Technology Annual Conference.
- Ge, X. (September 23-24, 2021). Invited participant as a national leader from an educational association to the National Technology Leadership Summit. Washington, D. C.
- Ge, X. (September 14-16, 2021). The pandemic: Challenges, affordances, opportunities, and possibilities for future education and training. Keynote presentation at 2021 NATO Training Technology Conference (NTTC), Virginia Beach, Virginia.
- Ge, X. (June 24, 2021). Towards a warm approach to the design of learning environments. Keynote presentation at the Hong Kong Association for Educational Communications and Technology (HKAECT) <http://www.hkaect.org/>.
- Ge, X. (January 2021). Open Remark at the International Virtual Conference on Information, Media and Engineering. Osaka University, Osaka, Japan.
- Ge, X. (June 20, 2020). Maker learning: Guided inquiry and problem solving. Keynote speech at East China Normal University Online Seminars (华东师大在线系列讲座). East China Normal University, China.

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- Ge, X. (December 17-19, 2019). Engagement in game-based learning: Issues of designing and assessment to scaffold ill-structured problem solving. Keynote speech at the International Joint Conference on Information, Media and Engineering. Osaka University, Osaka, Japan.
- Ge, X. (November, 2019). Engagement in game-based learning: Issues of designing and assessment to support problem solving. Keynote presentation at the 24th International Conference on Computers and Education, Arequipa, Peru.
- Bonk, C., Ge, X., Sanchez, J., & So, H. (November, 2019). Mesa Redonda (i.e., International Roundtable, with J. Sanchez as a moderator) on “The Use of Cell Phones in the School” at the 24th International Conference on Computers and Education, Arequipa, Peru.
- Ge, X. (October, 2019). Problem space, multiple spaces, and shared space: Implications for designing learning technologies to support visual representation in ill-structured problem-solving. Keynote presentation at 2019 International Conference on Educational Innovation through Technology, Biloxi, Mississippi [Online delivery].
- Ge, X. (May, 2019). Flipped classrooms: What is being flipped? Keynote speech at the 13th International Computer and Instructional Technology Symposium <http://www.icits2019.org/>, Kırşehir, Türkiye [Online delivery].
- Ge, X. (October, 2018). What is successful ill-structured problem solving? Expert models vs. learner patterns: Implications for Instructional Design. Keynote speech at the Society of International Chinese in Educational Technology (SICET) at the annual meeting of the Association for Educational Communications and Technology, Kansas City, MO.
- Ge, X. (April, 2018). Supporting interdisciplinary collaborative problem-based learning by using Information and Communication Technologies (ICTs). Keynote presentation at the 2018 Annual Conference of Chinese American Educational Research & Development Association (CAERDA), New York, NY.
- Ge, X. (Nov. 23, 2017) A design architecture for supporting interdisciplinary collaborative problem-based learning (ICPBL) using information and communications technologies (ICTs), University of Hong Kong, Hong Kong, China.
- Ge, X. (Nov. 29, 2017) Self-regulation and problem solving: Designing scaffolding mechanism to support problem-based learning. University of Hong Kong, Hong Kong, China.
- Ge, X. (June 6, 2017). Designing ICT-enhanced scaffolding mechanisms focusing on self-regulation processes in problem-based learning environments. National Taiwan University of Science and Technology, Taiwan
- Ge, X. (June 6, 2017). Makerspace and Makeology. National Taiwan University of Science and Technology, Taiwan
- Ge, X. (June 7, 2017). (June 8, 2017). Makerspace and Makeology (創客空間與創客教學法). National Taichung University of Science and Technology, Taiwan
- Durley, H., & Ge, X. (June 7, 2017). From East to west. National Taichung University of Science and Technology, Taiwan
- Ge, X. (June 8, 2017). Makerspace and Makeology (創客空間與創客教學法). National Changhua University of Education, Taiwan.
- Ge, X. (June 18, 2014). Scaffold ill-structured problem solving through fostering self-regulation: A web-based cognitive support system. Seminar provided to the faculty of University of Hong Kong, University of Hong Kong, Hong Kong.
- ^φ Ge, X. (April-May, 2013). Technology meets PBL: Designing technology-supported problem-based learning

environment. Keynote presentation at the Problem-based Learning (PBL) Special Interest Group, American Educational Research Association's Instructional Technology, San Francisco, CA.

- Ge, X., Yang, Y.J., & Liao, L., (October, 2013). Perceived affordances of a technology-enhanced active learning classroom in promoting collaborative problem solving. Presentation at the University of Oklahoma Center for Teaching for Excellence.
- Ge, X. (August, 2013) Scaffold students' critical thinking and problem solving in technology-rich learning environments. Presentation for Teaching Assistant Training sponsored by Center for Teaching Excellence, University of Oklahoma, Norman, Oklahoma.
- Ge, X. (April, 2013). Technology meets PBL: Designing technology-supported problem-based learning environment. Invited talk at the Problem-based Learning (PBL) Special Interest Group, American Educational Research Association's Instructional Technology, San Francisco, CA.
- Ge, X., & Ifenthaler, D. (May, 2012). Engaging students in online learning using Web 2.0 technology, Workshop for Faculty Development at the College of Nursing, Health Science Center, The University of Oklahoma.
- Hennessey, M., & Ge, X. (May, 2012). Create and sustain online learning communities using Web 2.0 technology, College of Liberal Studies, University of Oklahoma.
- Hennessey, M., & Ge, X. (March, 2012). Online and blended learning: Tools and strategies. Panel Discussion at the 2012 Spring Faculty Meeting, Jeannine Rainbolt College of Education, University of Oklahoma.
- Ge, X. (April, 2010). Inquiry-based learning in a Chinese high school chemistry course. OU China Faculty Lunch Talk, Institute for US-China Issues, University of Oklahoma.
- Ge, X. (October, 2008). Peer Interactions, Quanzhou Early Education Institute, Quanzhou, Fujian, China.
- Ge, X. (June, 2006). Research Seminar, A cognitive modeling system to support ill-structured problem solving. College of Education, University of Oklahoma.

GRANT EXPERIENCES

External Funding Funded

Project Title: Critical Design of a Virtual Reality Environment to Augment Interdisciplinary Problem-based Learning

Sponsoring Organization: Fulbright U.S. Scholar Program – Fulbright Canada Research Chairs in Education
Award: US\$25,000 for 4 months

Project Title: Project: Learning in Libraries: Guiding Inquiry Making and Learning in School Libraries.

Funding Program and Agency: The 2016 Institute of Museum and Library Services (IMLS) National Leadership Grants for Libraries.

Project directors: Kathryn Lewis, Dr. Shirley Simmons, and Dr. Lee Nelson from Norman Public Schools;

PI: Dr. Kyungwon Koh at OU SLIS and Co-PI: Dr. Xun Ge at OU College of Education.

Award: \$540,388 (3-year funding, 2016-2019)

External Grant Proposals Submitted

Project Title: Collaborative Research: Research Initiation: Building a Community of Practice Model to Integrate Semiconductor Education in High School

Proposal Number:

Funding Agency: National Science Foundation (NSF 20-558 EEC - EngEd-Engineering Education)

Amount Requested: \$200,000
Principal Investigators: John Hu and Xun Ge
Submission Date: 11/08/2022

Advisory Board Member Grant Funded Projects

National Science Foundation (Cyberlearning and Future Learning Technologies)
Project Title: Teaching Bias Mitigation through Training Games with Application in Credibility Attribution
Funding Agency: National Science Foundation, Program of Cyberlearning and Future Learning Technologies
https://www.nsf.gov/awardsearch/showAward?AWD_ID=1523083&HistoricalAwards=false
Lead Principal Investigator: Dr. Norah Dunbar, Professor at the University of California Santa Barbara
Amount: \$550,000

The Kiowa Tribe of Carnegie, Oklahoma.
Project Title: Kiowa Language and Culture Revitalization Program
Funding Agency: The Administration for Native Americans, the Native Language Community Coordination Demonstration Project (NLCC), <https://www.acf.hhs.gov/ana/resource/new-awards-for-fy-2016>
Amount: \$400,000 (for 60 months)

Recent Grant Proposals Submitted (Not funded)

Project Title: Remote Laboratories Integrating Virtual and Augmented Reality Technology to Support Student Knowledge Acquisition and Skill Development in Mechanical and Civil Engineering Programs
Proposal Number:
Funding Agency: National Science Foundation (IUSE: HER)
Sponsoring Organization: University of North Texas, Denton, Texas
Lead Principal Investigator: Maurizio Manzo
Principal Investigator at OU: Xun Ge,
Amount requested: \$ 89998 (subcontracted to OU)
Project Dates: June 1, 2021 - May 31, 2024
Submission Date: August 5, 2020

Project Title: HealthScape: Integrating Immersive Virtual Reality (VR) to Engage High School Students in Project-Based Environmental Health Education
Funding Agency: The University of Oklahoma's Institute for Community and Society Transformation (ICAST) Seed Grant
Amount Requested: \$27464
Principal Investigators: Xun Ge, Hongwan Li, and Changjie Cai
Submission Date: 03/31/2023

Project Title: The Effectiveness of Immersive Virtual Reality as an Instructional Tool for Biomedical Engineering Laboratory Training

Funding Agency: The University of Oklahoma's Institute for Community and Society Transformation (ICAST) Seed Grant
Amount Requested: \$19577
Principal Investigators: Xun Ge and Sarah Breen
Submission Date: 05/16/2022

Project Title: Virtual Reality with Embedded Scaffolding to Accelerate the Development of Crime Scene Expertise

Proposal Number: NSF 17-598
Funding Agency: National Science Foundation (Cyberlearn & Future Learn Tech)
Amount requested: \$723,668
Lead Principal Investigator: Tamera McCuen
Principal Investigator/Co-Investigator: Xun Ge, Christan Grant, Christopher Weaver
Submission Date: 01/13/2020

Project Title: Multi-STEM-ICPBLE: Multi-Institutional Scale-up of an Interdisciplinary Collaborative Project-based Learning Environment (ICPBLE) for STEM education using Cutting-edge Technologies

Funding Agency: National Science Foundation
Lead Principal Investigator: Dr. Zhenhua Huang, University of Northern Texas University
Principal Investigator/Co-Investigator: Xun Ge and Michael Crowson (University of Oklahoma as a subcontractor)
Amount requested: \$2,250,000
Submission Date: 12/5/2019
Period Covered: 09/01/2020 – 08/31/2024

Project Title: IGE: A community-based approach to build resilience and promote career sustaining competencies in engineering graduate students

Proposal Number: NSF 17-585
Funding Agency: National Science Foundation (NSF Research Traineeship, NRT)
Lead Principal Investigator: Machhad Fahs
Principal Investigators: Xun Ge, Farrokh Mistree, Matthias Nollert, and Felix Wao,
Amount requested: \$ \$500,000
Submission Date: 9/27/2019

Project Title: Color-Coded Interlocking Blocks for Early Childhood Programming Experience

Proposal Number: 18-0306
Funding Agency: National Science Foundation
Lead Principal Investigators: Huaw-Sik Yoon (University of Alabama) and Kyong-Ah Kwon (University of Oklahoma, Tulsa)
Principal Investigators: Xun Ge and Jeff Gray
Amount requested: \$150,000
Submission Date: 11/2/2017

Project Title: When West Meets East--Global Teachers in the Making

Funding Agency: James S. McDonnell Foundation, Teachers as Learners
Principal Investigator: Hui-Chen Durley (Adams Elementary School of Oklahoma City Public Schools)

Co-Investigators: Xun Ge (University of Oklahoma), Hwei-Chu Kung (National Taichung University of Science & Technology), Ching-Huei Chen (National Changhua University of Education), and Hui-Li Kung (Chung Ming Elementary School)
 Amount requested: \$2,500,000
 Submission Date: 4/26/2017

Project Title: Collaborative Research: Color-Coded Interlocking Blocks for Early Childhood Programming Experience

Proposal Number: 17-0323

Funding Agency: National Science Foundation

Lead Investigators: Huaw-Sik Yoon (University of Alabama) and Kyong-Ah Kwon (University of Oklahoma, Tulsa)

Principal Investigators: Xun Ge and Janice Kelly

Amount requested: \$129,504

Submission Date: 11/8/2016

Internal Funding (Funded)

- Ge, X. (2022). Department of Educational Psychology Research Funding. The University of Oklahoma. Amount: \$2200.
- Ge, X. (2018). Presidential International Travel Fellowship. The University of Oklahoma. Amount: \$1500. (Funded)
- Ge, X. (2015). Presidential International Travel Fellowship. The University of Oklahoma. Amount: \$1500. (Funded)
- Azzarello, J., & Ge, X. (Co-PI). (2012) Development of an Intelligent Tutoring System on using diabetes self-monitoring records to improve glycemic control. OU Health Science Center's Lorraine Singer Nursing Research Seed Grants Program. Amount: \$1000 [Funded]
- Eseryel, D., Ge, X., Ifenthaler, D. (2012). Invited Speaker Series to Facilitate University of Oklahoma Assessment and Support Initiative in STEM Domains. Submitted to the Research Council Faculty Investment Program, University of Oklahoma, Jeannine Rainbolt College of Education, and The School of Aerospace and Mechanical Engineering. Amount: \$5,000
- Eseryel, D. (PI), & Ge, X. (Co-PI), 2010 Fulbright Scholar-in-Residence Program. This proposal was intended to bring Dr. Dirk Ifenthaler from University of Freiburg in Germany to OU as a visiting scholar to start a collaborative research program along with Dr. Farrok Mistree of College of Engineering and to offer workshops and lectures to OU students and faculty.
- Ge, X. (2011). Presidential International Travel Fellowship. The University of Oklahoma. Amount: \$1500. (Funded)
- Ge, X. & Ruan, J. (2010). Project Title: The Integration of Information Communication and Technology in Literacy Education in China. Faculty Development Grant for Chinese Language Research, Institute of US-China Issues, The University of Oklahoma. Amount: \$2000. (Funded)
- Ge, X., & Dong, Y. (2007). Project Title: OpenSEED: Empower Software Engineering Education Using Open Source Software Development (OSSD) Approach. Instructional Innovation Grants, Program for Instructional Innovation, The University of Oklahoma. Amount: \$10286 (Funded)
- Ge, X. (2006). College of Education Summer Research Grant, The University of Oklahoma. Amount: \$6,000 (Funded)
- Ge, X. (2000). Alumni Society Graduate Student Research Initiation Grant, Doctoral Student Awards, 2000-2001, College of Education, The Pennsylvania State University, December 2000. (Funded)

TEACHING & MENTORING EXPERIENCES

Doctoral Dissertations and Master's Thesis Chaired and Completed

- Turk, M. (2022). Measuring online student engagement in higher education: scale development, validation, and psychometric properties. The University of Oklahoma, Norman, OK. (Doctoral dissertation). The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- McCuen, L. T. (2015). Investigating the predictors of spatial skills essential for construction Science student success in the digital age. The University of Oklahoma, Norman, OK. (Doctoral dissertation). The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Daine, J. K. (2015). Undergraduate international students in virtual learning communities: Exploring the development of the "I-Me" identity. The University of Oklahoma, Norman, OK. (Doctoral dissertation). The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/> [*Co-chair with Dr. Joan Smith]
- Law, V. (2012). A multilevel investigation of the social aspects of self-regulation in the context of collaborative ill-structured problem-solving. The University of Oklahoma. (Doctoral dissertation). Retrieved from ProQuest Dissertations and Theses. [*Lead co-chair with Dr. Deniz Eseryel]
- Nelson, L. (2011). Teachers' motivation to integrate technology: A study of expectancy-value, perceived instrumentality, and prosocial goals. The University of Oklahoma, Norman, OK. (Doctoral dissertation). Retrieved from ProQuest Dissertations and Theses.
- Huang, K. (2011). Metaconceptually-enhanced simulation-based inquiry learning: Effects on the 8th grade students' conceptual change and science epistemological beliefs. The University of Oklahoma, Norman, OK. (Doctoral dissertation). Retrieved from ProQuest Dissertations and Theses.
- Lubin, I. A. (2005). A study comparing learning environments for teaching educational technology to pre-service teachers. The University of Oklahoma, Norman, OK. (Master's thesis). Retrieved from ProQuest Dissertations and Theses.

Doctoral Dissertations or Master's Theses Served and Completed

- Faisal, A. (2022). A mixed methods study: Investigating the role of environment-behavior (E-B) attributes upon faculty. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Yi, Y. (2021). Environmental design factors associated with functional independence of people with intellectual and developmental disabilities. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Peng, S. (2021). Analysis of the engineering students' self-reflections through text mining of their learning statements. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Yuan, S. (2018). Xiqu Liangzhe by Wenjing Guo: An analytical study and performer's guide. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Reyes, M. (Fall 2017). Using cognitive task analysis to describe spatial reasoning processes. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Blankenship, T. A. (Fall 2017). The Effects of computer-supported collaborative learning on writing performance, metacognition, and experience of students with writing difficulties. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>

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- Janis, S. L. (2017). An exploration of teacher autonomy in relation to elementary teachers' science instructional practice. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Craig, S. D. (2017). Lived experiences of female high school principals in rural remote high schools of a southwestern state. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Stump, M. K. (2016). Trust, transformational leadership, and collective teacher efficacy in an urban school setting. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Herron, J. P. (2015). The mediated effect of teaching efficacy on the relation between contextual variables and pupil control ideology. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Roberson, R. R. (2014). Understanding the development of legitimate teacher authority through the teacher-student relationship: A qualitative study. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- De Armendi, A. J. (2014). Medical and nursing students' cognitive levels measured by the classroom test of scientific reasoning and correlation to knowledge gained from lecture, simulation, or lecture with simulation. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Thomas, J. (2013). The relationship between Title I funding and standardized test scores of Title I and non-Title middle schools in southwest Oklahoma. The University of Oklahoma, Norman, OK. Retrieved from SHAREOK Repository <https://shareok.org/>
- Marshall, K. J. (2012). Exploring the development of an organizationally-sponsored online professional learning community for adjunct faculty: The intersection of theory, research, and practice. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses. Retrieved from ProQuest Dissertations and Theses.
- Durley, H. (2011). Exploring cognitive processes of teachers in the open-ended learning environment. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses. Retrieved from ProQuest Dissertations and Theses.
- Cox, M. L. (2010). Pre-service teachers: Does cultural responsiveness affect anticipated self-determination to teach in specific settings? The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses.
- Lubin, I. A. (2009). Societal expectations and educational opportunity: A study of future orientation, expectancy valuing, and academic performance of St. Lucian youth. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses.
- Sullivan, D. (2008). Informative feedback: concentrated and critical content worthy of meaningful cognitive processing. The University of Oklahoma, Norman, OK. (deceased before he completed and defended his dissertation).
- Ajero, M. (2007). The effects of computer-assisted keyboard technology and MIDI accompaniments on group piano students' performance accuracy and attitudes. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses.

Xie, K. (2006). Scaffolding online peer collaboration to enhance ill -structured problem solving with computer-based cognitive support. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses.

Chen, C.H. (2006). Prompting students' knowledge integration and ill-structured problem solving in a Web-based learning environment. The University of Oklahoma, Norman, OK. Retrieved from ProQuest Dissertations and Theses.

Doctoral Dissertations Committees for Other Institutions (I have served or currently serving)

Wangyal, T. (Ongoing). The effects of scripts based scaffolding on students' argument analysis, response generation and critical discourse. National Institute of Education, Nanyang Technological University, Singapore.

Leeder, C. A. (2014). Scaffolding students' information literacy skills with an online credibility evaluation learning tool. The University of Michigan, Ann Arbor, MI. Retrieved from ProQuest Dissertations and Theses. Retrieved from ProQuest Dissertations and Theses.

Current Doctoral Dissertations or Master's Theses Committees Chairing or Serving

Chairing

Muftuoglu, A. C. (Learning Sciences); Williams, J. (Learning Sciences); Gowell, J. (Learning Sciences); Brickell, B. (Learning Sciences, past chair)

Serving

Faisal, A. (Architecture and Construction Science; Member); Meek, D. (Learning Sciences, Member); Lewis, L. (Learning Sciences, Member); Porterfield, C. (Learning Sciences, Member); Tang, Eros (Music, Member)

Courses Taught

Graduate Courses (F2F and Online)

EIPT 6183: Cognition and Instruction

EIPT 6143: Instructional Development

EIPT 6343: The Design of Learning Environments (Old title: Instructional Design Theories, Models and Strategies)

EIPT 6433: Theories, Pedagogy and Tools for Online Learning

EIPT 6313: Multimedia Design and Development for Learning

EIPT 6333: Computer as Cognitive Tools: Theory and Practice

EIPT 6533: Designing and Developing Open Learning Environment

EIPT 5533: Introduction to Instructional Technology

EIPT 5203: Measurement and Evaluation in Education

EIPT 5183: Technology-Enhanced Problem-Based Learning

EIPT 6313: Multimedia Design and Development for Learning

EIPT 6423: Web-Based Instruction

Undergraduate Courses

EIPT 3043: Learning with Educational Technologies (Taught and supervised)

EIPT 3011: Computers as Productivity Tools (Supervised)

Other Courses and Seminars

2008 (Oct-Nov): Fujian Normal University, Fuzhou, Fujian, China

Graduate Seminar: Designing and Developing Constructivist Learning Environment

1998 – 2001: The Pennsylvania State University

IST 110: Introduction to Information Science and Technology. (Teaching Assistant to Professor Steven Sawyer and Professor Michael McNeese. 1999 - 2001)

INSYS 441: Design, Development and Evaluation of Internet Resources. (Co-taught the graduate course with Professor Susan Land in, Fall 1999)

INSYS 448: Using the Internet in the Classroom. (Online Teaching Assistant to Professor Barbara Grabowski, Summer 2000.)

COM459: Special Topics: Theories and Applications of Computer-Mediated Communication Systems. (My colleagues and I designed, developed and delivered an online seminar to students of University of Hawaii, using The Palace, a Virtual Reality tool, 1998.)

1996 -- 1997: Northern Arizona University

ECI 447: Technology in the Classroom. (Teaching Assistant)

1982 – 1994: Fujian Teachers University (Lecturer in the academic system)

- Communicative English
- English Speaking and Listening
- English Reading and Writing
- English Pronunciation and Intonation

Student Awards and Accomplishments

- The research proposal by my doctoral student advisee, Murat Turk, has been accepted to be presented at the 2019 AERA Division D Graduate Student Research Gala.
- Moge Wang, M.Ed., former IPT advisee, who is currently working as an Instructional Design Specialist for Metro Technology Centers in Edmond, Oklahoma, received Oklahoma's Next Gen Under 30 2018 award.
- Dominique Thomas's and Ying Liu's collaborative project titled "ITS-SMART" won the award of Education/Fine Arts/Humanities A on 2013 Student Research & Performance Day at the University of Oklahoma. This product was a course project I guided in EIPT 6343 Instructional Design Strategies and Models for Multimedia Learning, a graduate course I taught in Fall 2012.
- My former student Victor Law has been accepted to participate in the NSF Early Career Symposium, 2011 AECT International Convention, Jacksonville, FL, November 8-9, 2011. This is a very competitive symposium designed to advance research agenda of doctoral students and early career faculty.
- My students' design and research projects were selected to be presented at 2010 and 2011 Association of Educational Communications and Technology's Design & Development Showcase (refer to Conference Presentations).
- My former advisee Kun Huang was selected as one of the 20 participants out of over 50 candidates to attend the Graduate Student Seminar associated with Division C – Learning and Instruction, at the annual meeting of the American Educational Research Association (AERA), in San Diego, CA, April 13-17, 2009.

- My former advisees Kun Huang and Nelson Er won the third place of the 2005 PacificCorp AECT award at the annual convention of the Association of Educational Communications and Technology (AECT), Orlando, FL, 2005.

PROFESSIONAL SERVICES

OFFICE POSITIONS AT MAJOR INTERNATIONAL PROFESSIONAL ORGANATIONS

Immediate Past President (November 2021- November 2022), Association for Educational Communications and Technology (AECT)

- AECT Board Member
- Chair, AECT Nomination Committee
- Chair, AECT Strategic Planning Committee
- AECT Foundation Liaison

President (November 2020- November 2021), Association for Educational Communications and Technology (AECT)

- Chair, AECT Tenure & Promotion Statement Task Force
- Chair, AECT Definition and Terminology Task Force

President-Elect (November 2019- November 2020), Association for Educational Communications and Technology (AECT)

- Chair, 2020 AECT Virtual Convention Planning Committee (2019-2020)

President-Elect Designate (2018-2019), Association for Educational Communications and Technology (AECT)

Chair (2015-2018) of the Problem-Based Education Special Interest Group, American Educational Research Association (AERA).

Treasurer/Secretary, American Educational Research Association (AERA), Special Interest Group: Problem-Based Education, 2010-2012

INTERNATIONAL PROFESSIONAL CONFERENCE SERVICES

Conference Planning

- Conference Co-Chair, 2022 International Joint Conference on Information, Media and Engineering
- Program Planning Chair of Section 3a – Learning Environments (2021-2022), Division C (Learning & Instruction) Program Committee 2022, American Educational Research Association (AERA)
- Conference Co-Chair, 2020-2021 International Joint Conference on Information, Media and Engineering
- Chair, 2020 Virtual Convention Planning Committee (2019-2020), Association for Educational Communications and Technology (AECT)

Other Conference Program Committee

- Honorary Advisor, International Honorary Advisory Board for the 2023 Convention of Hong Kong Association for Educational Communications and Technology (HKAECT)

- Honorary Advisor, International Honorary Advisory Board for the 2022 Convention of Hong Kong Association for Educational Communications and Technology (HKAECT)
- Program Committee Member, 2018 IEEE International Conference on Advanced Learning Technologies (ICALT), for Track 13 - Motivational and Affective Aspects in Technology-Enhanced Learning, and Track 17 - Knowledge Management in e-Learning, the 14th IEEE International Conference on Advanced Learning Technologies
- Program Committee Member, the International Conference on Computer Supported Education, 2011, 2012, 2013, 2014, 2017
- Program Committee Member, Global Chinese Conference on Computers in Education, 2012, 2013, 2014, 2017
- The International Program Committee Member, the CSEDU for the International Conference on Computer Supported Education, 2011 – 2019
- Program Committee Member, Technology in Higher Education and Human Performance of the 16th Global Chinese Conference on Computers in Education to be held in 2012

Conference Chair, Discussant, and Other Services

- Served as a discussant for Division C Symposium titled “The Design of Collaborative Activities across Disciplines to Promote Student Learning and Agency”, American Educational Research Association (AERA), 2022, San Diego, CA.
- Judge Panelist, RTD Theory Spotlight Competition, 2021 Convention of the Association for Educational Communications and Technology (AECT).
- AERA SIG-IT 2019-2020 Best Paper Awards review Committee, 2019-2020
- Organizer and Chair for the SIG-Problem-Based Education Symposium “Assessing Complex Problem Solving: Theories, Methods, and Tools”, New Orleans, LA, April 8-12, 2011. (co-chairs: Ifenthaler, D., & Eseryel, D.)
- Discussant for AERA’s SIG-Problem-Based Education Presentation Session “Assessing Student Responses in Varied Problem-Based Learning Environments”, New Orleans, LA, April 8-12, 2011.
- Discussant for AERA’s SIG-Instructional Technology Presentation Session “Scaffolding Students for Problem Solving With Technology”, New Orleans, LA, April 8-12, 2011.
- Discussant for AERA’s SIG – Design and Education Paper Presentation Session, San Diego, CA, April 13-17, 2009.
- Chair of the AERA’s SIG - Instructional Technology Paper Presentation Session, April 12-16, 2004, San Diego, CA.

Mentoring Services

- Invited mentor for Association for Educational Communications and Technology (AECT) Early Career Symposium, Kansas City, MO. Oct. 22-27, 2018
- Invited mentor for Division C New Faculty Mentoring Program at the annual meeting of the American Educational Research Association, New York City, New York, April 13-17, 2018
- Invited mentor for the Graduate Student Mentoring Program for the Design and Technology Special Interest Group at the American Educational Research Association’s San Antonio, TX, April 27-May 1, 2017.
- Invited mentor for Division C (Learning & Instruction) Graduate Student Seminar at the annual meeting of the American Educational Research Association, Chicago, Illinois, April 8-9, 2007

Conference Review Services

- Regular Panel Reviewer, American Educational Research Association (AERA), (Division C; SIG-IT, including Best Paper Award; SIG-PBL, SIG-D&T; SIG-ARVEL)

- Regular Reviewer, Association of Educational Communications and Technology (AECT),
- Regular Reviewer, International Conference of Learning Sciences (ICLS), 2005 — Present.
- Regular Reviewer for the Computer Supported Collaborative Learning (CSCL) 2006 – Present

EDITORIAL SERVICES

- Co-Editor, Interdisciplinary Journal of Problem-based Learning (IJPBL). Term: 2018 – present
- Associate Editor, Knowledge Management & E-Learning: An International Journal (KM&EL), 2011 – present

Current Editorial Boards

- Editorial Board, Contemporary Educational Psychology. Term: 2017 –
- Editorial Board, Research Section, Educational Technology Research and Development (ETR&D). Term: January 2022 – December 2024
- Editorial Board, Instructional Science. Term: 2018 –
- Editorial Board, Interdisciplinary Journal of Problem-based Learning (IJPBL). Term: 2018
- Editorial Board, Technology, Knowledge, and Learning, 2013 –
- Editorial Board, The Internet and Higher Education. Term: 2018 – 2023

Past Editorial Boards

- Editorial Board, Research Section, Educational Technology Research and Development (ETR&D). Term: January 2016 – December 2018. January 2011 – December 2013.
- Editorial Board, Interdisciplinary Journal of Problem-based Learning (IJPBL), 2010 – 2015
- Consulting Editor, Educational Technology Research and Development (ETR&D) (since 2006)

Guest Editor

- Wang, M., Kirschner, P. A., Spector, J. M., Ge, X. (2017). Special Issue “Computer-based Learning Environments for Deep Learning in Problem-solving Contexts”, *Computers in Human Behavior* <https://www.journals.elsevier.com/computers-in-human-behavior>
- Wang, M., Derry, S., Ge, X. (2017). Special Issue “Fostering Deep Learning in Problem Solving Contexts with Technology Support”, *Journal of Educational Technology & Society* <http://www.ifets.info/Announcements/1479911227.pdf>
- Ge, X., Planas, L., & Huang, K. (2015). Special Issue “Problem-based Learning in Health Professions Education”, *Interdisciplinary Journal of Problem-based Learning*, 9(1).
- Eseryel, D., Ifenthaler, D., & Ge, X. (2013). Special Issue “Towards Innovation in Complex Problem Solving Research”, *Educational Technology Research & Development*, 61(3).
- Ge, X., (2011). Special issue “Creating, Supporting, Sustaining and Evaluating Virtual Learning Communities”, *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 3(4).

Manuscript Review Services

- Regular Reviewer
Teaching and Teacher Education, Computer & Education
- Past Regular Reviewer
Instructional Science, Interdisciplinary Journal of Problem-based Learning
- Ad Hoc Reviewer

Educational Psychology, Educational Research and Reviews, Educational Review, European Journal of Psychology in Education, Journal of Educational Computing Research, Tech Trends, The Asia-Pacific Education Researcher (TAPER), The Asia Pacific Education Review, The Internet and Higher Education, International Journal of Technology in Education and Science

- Book Reviewer
 - Reviewer and writing promotion message for the book titled “Fostering conceptual change with technology: Asian Perspective”, Cengage Learning, 2012
 - Book Reviewer for Routledge, Book Title: “Instructional Design: an Architectural Approach. Instructional Design”, 2011
 - Book Reviewer for Pearson, Book Title: Multimedia-based Instruction: Principles, Methods, and Application, 2010

EXTERNAL REVIEW SERVICES

External Grant Proposal Reviewer

- National Science Foundation (2016, 2022-2023)
- Singapore Ministry of Education, Higher Education Division (HED) (2015, 2016)
- National Institute of Education, Singapore (2019, 2020, 2021, 2023)
- The Netherlands Organization for Scientific Research (NWO) (2018)
- KU Leuven, Belgium (2022)
- GEAR grant, University of Houston (2010)

Institution Program Reviewer

- Department of Instructional System Technology, Indiana University (2023)
- Department of Instructional Technology and Learning Sciences, Utah State University, (2021)
- Texas A&M University’s College of Education and Human Development’s Center for Urban School Partnerships (CUSP) (2019)
- Texas Tech University College of Education Expert Dissertation Evaluator (2018)

External Reviewer for Tenure & Promotion or Institutional Awards (*more than once)

Auburn University (2011); *Brigham Young University (2021); Boise State University (2014); *Florida State University (2013, 2016, 2018); Georgia State University (2021); Indiana University; *National Institute of Education, Singapore (2013, 2016, 2018; 2023); Northern Illinois University (2017); Old Dominion University (2019); Purdue University (2021); *Syracuse University (2020, 2022); Temple University (2020); *Texas A&M University (2014; 2023); *Texas Tech University (2013, 2022); The Pennsylvania State University at Erie (2014); The University of Houston (2016), The University of Miami (2019); The University of Missouri (2019; 2023); The University of Nevada, Las Vegas (2019; 2023); *The University of North Texas (2014, 2015, 2021); University of Oklahoma Health Science Center (2010); The University of South Carolina (2016, 2022); The University of South Florida (2018); The University of St. Thomas (2007); The University of Texas Rio Grande Valley (2015); *The University of Western Sydney, Australia (2014), Tung Wah College, Hong Kong (2022), University at Albany, State University of New York (2022-2023)

External Dissertation Examiner (*more than once)

- *National Institute of Education, Nanyang Technological University, Singapore (ongoing)
- *Virginia Tech University (2019, 2023)

OTHER PROFESSIONAL ORGANIZATION SERVICES

Guest Lectures

- Invited lecturer to Quanzhou Vocational and Technical University on "Early Childhood Education in the U.S." with Kaylee McKenney, a doctoral student in Education Administration Curriculum & Supervision, March 24, 2022
- Invited guest lecture to the graduate students at the Brigham Young University on "Advanced Problem-based Learning Research", March 23, 2022

SERVICE AT STATE LEVEL

- Higher Education Representative, Oklahoma Resident Teacher Assessment Committees, 2002—2010
- Coordinator, the project of reviving Central Pennsylvania Association of Educational and Communication Technology (CPAECT). 1999 — 2001

SERVICE AT THE UNIVERSITY OF OKLAHOMA

Campus

- Member, Graduate Council, 2022-2025 (including serving at the Graduate Council Curriculum Subcommittee)
- Member, OU Faculty Senate, 2021 - 2024
- Member, Faculty Evaluation Working Group (FEWG), 2023
- Member, Search Committee for Biomedical Engineering 2022 – 2023
- Serve as mentor for Dr. Sarah Breen, Assistant Professor at School of Biomedical Engineering
- Member, OU Academic Appeals Board, 2020-2021, 2021 - 2022
- Member, OU Research Council, 2018 – 2021
- Member, Search Committee for Biomedical Engineering Dec. 2020 – May 2021
- Member, Nancy L. Mergler and Bullard Dissertation Completion Fellowships Committee, 2020
- Member, Search Committee for School of Library and Information Sciences, Nov. 2019 – May 2020
- Co-President, Oklahoma Chinese Professional Association (俄州华人教授专家协会), 2013 - 2017
- Advisor, University of Oklahoma's Chinese Christian Fellowship (CCF), 2014 –
- Chair, Faculty Development Award Committee, 2012
- Member, OU Faculty Development Award Committee, 2010 — 2012
- Member, OU Faculty Appeals Board, 2009—2012
- Faculty Senate, University of Oklahoma, representing College of Education, 2006 —2008
- Mentor, presented to the students of the Research Experience for Undergraduates (REU) Program on human-technology interactions funded by National Science Foundation, Summer 2003.

College

- Chair, Search Committee for the Qualitative Research Tenure-Track Faculty Position, 2023
- Member, Search Committees for the Tenure-Track Faculty Position for the Educational Administration, Curriculum and Supervision (EACS) Program, 2022-2023
- Member, Search Committees for the Renewable Term Faculty Position for the Educational Administration, Curriculum and Supervision (EACS) Program, 2022-2023
- Member, Jeannine Rainbolt College of Education's Research Committee (2022 - 2023)
- Guest lecture to ILAC's graduate course "Paradigms in Scientific Investigations." Invited by Dr. Jacob Pleasants, September 2021

- Member, Jeannine Rainbolt College of Education's Administrative Council, January 2012— June 2016
- Member, Jeannine Rainbolt College of Education's Research Committee (Spring 2014, in lieu of a member who is on sabbatical)
- Member, Jeannine Rainbolt College of Education's Expanded Administrative Council, 2010-2012
- Member, Research Committee, College of Education, University of Oklahoma, 2007—2008.
- Member, Climate Committee, College of Education, University of Oklahoma, 2007—2008.
- Member, College of Education's Election Committee, 2004—2008.
- Member, College of Education's Professional Development Sequence Committee, 2004—2007

Department

- Graduate Studies Member, 2021 – 2023
- Annual Evaluation (Teaching Evaluation) Task Force, 2020 – Present
- Member, Honor and Award Committee, Department of Educational Psychology, 2016 –2020
- Member, Graduate Studies Committee, Department of Educational Psychology, 2019-2020
- Chair, Department of Educational Psychology, January 2012— June 2016
- Graduate Liaison, Department of Educational Psychology, January 2012— June 2016
- Member, Graduate Studies Committee, Department of Educational Psychology, 2009—2011
- Member, Committee A, Department of Educational Psychology, Jeannine Rainbolt College of Education, 2009—2011
- Research Liaison to the University's Research Council, Department of Educational Psychology, 2011-2012
- Chair, Admission Committee, Instructional Psychology and Technology Program, Department of Educational Psychology, University of Oklahoma, 2004—2006, 2010.
- Member, Faculty Search Committees, 2002—2005
- Member, Recruitment Committee, Instructional Psychology and Technology Program, Department of Educational Psychology, University of Oklahoma, 2010—
- Chair and Member, Master's Comprehensive Examination Committees
- Advising Research and Teaching Assistants, 2001-2007, 2017- Present
- Supervising undergraduate courses EIPT 3011 Productivity Tools for Education and EIPT 3043 Learning with Educational Technologies, 2005-2007
- Mentor to the student organization EGO, and presenter at the EGO conference, Department of Educational Psychology, University of Oklahoma, 2003.

SOCIETY & ASSOCIATION MEMBERSHIPS

- American Psychology Association (APA), 2022 – Present
- American Educational Research Association (AERA), 2000 – Present
- Association of Educational Communications and Technology (AECT), 1998 – Present
- The Society of International Chinese in Educational Technology (SICET), 2017 – Present
- International Society of the Learning Sciences (ISLS), 2006 -- Present
- Association for the Advancement of Computing in Education (AACE), 2007 – Present
- Chinese American Educational Research and Development Association (CAERDA), 2017 – 2019
- International Society for Performance Improvement (ISPI), 2001 – 2003
- Pennsylvania Association of Educational Communications and Technology (PAECT), 1998-2000
- Teachers of English to Speakers of Other Languages (TESOL), 1999