

Dr. SHONN CHENG

Assistant Professor

Room 209, General Studies Building, No. 1, Sec. 3, Zhongxiao E. Rd., Taipei, Taiwan, 10608

✉ scheng@ntut.edu.tw ☎ +886 227712171 #4036 🌐 shonnslc.com | Updated: 27 Apr 2024

Academic Positions

National Taipei University of Technology

Assistant Professor 02/2023-present
Graduate Institute of Technological and Vocational Education
College of Humanities and Social Sciences

Sam Houston State University

Assistant Professor of Instructional Systems Design and Technology 09/2020-12/2022
Department of Library Science and Technology
College of Education

Virginia Commonwealth University

Postdoctoral Scholar 08/2019-08/2020
School of Education & Partnership for People with Disabilities

Education

The Ohio State University

Ph.D. Educational Studies 2019

The Ohio State University

M.A. Educational Studies 2018

New Mexico State University

M.A. Education 2013

Wenzao Ursuline University of Languages

B.A. English 2006

National Taipei University of Business

A.M.S. Business Administration 2004

Publications

(† student co-authors)

ONLINE NEWS ARTICLE

Xie, K., & Cheng, S. L. (2020, November 19). [4 tips for college students to avoid procrastinating with their online work](#). The Conversation.

BOOK CHAPTERS

Cheng, S. L., & Vongkulluksn, V. W. (2021). Adaptability, collaboration, mentorship, and impact: Lessons learned by a leading Asian American scholar. In N. D. Hartlep, D. Ball, & K. E. Wells(Eds.), *Asian/American scholars of education: 21st century pedagogies, perspectives, and experiences* (2nd ed., pp. 203-214). Peter Lang Inc.

REFEREED CONFERENCE PROCEEDINGS

Cheng, S.-L., Xie, K., [†]Collier, J., [†]Waneta, H., & [†]Angelica, H. (2022). The relations between motivational beliefs, academic delay, and academic achievement in online learning environments. *Proceedings of the 16th International Conference of the Learning Sciences - ICLS 2022*. Hiroshima, Japan: International Society of the Learning Sciences, 945-948.

REFEREED JOURNAL ARTICLES

[23] Greene, M. D., **Cheng, S.-L.**, & Jones, W. M. (2023). The impact of an online technology course on pre-service teachers' technological knowledge: Strategies and design. *International Journal of Professional Development, Learners and Learning*, 5(2), ep2315. <https://doi.org/10.30935/ijpdll/13772>

[22] Rudasill, K. M., McGinnis, C., **Cheng, S.-L.**, Cormier, D. R., & Koziol, N. (2023). White privilege and teacher perceptions of teacher-child relationship quality. *Journal of School Psychology*, 98, 224-239. <https://doi.org/10.1016/j.jsp.2023.04.002>

[21] Greene, M., **Cheng, S.**, & Jones, W. M. (2023). Preservice teachers' technology integration knowledge development in an online technology-based course. *International Journal of Instruction*.

[20] **Cheng, S.**, & [†]Parker, M. (2023). The role of school socioeconomic status in school-wide technology integration in the U.S. *Contemporary Educational Technology*, 15(2), ep422. <https://doi.org/10.30935/cedtech/13059>

[19] **Cheng, S.**, Xie, K., & [†]Collier, J. (2023). Motivational beliefs moderate the relation between academic delay and academic achievement in online learning environments. *Computers & Education*. doi.org/10.1016/j.compedu.2023.104724

[18] **Cheng, S.**, Chang, J. C., [†]Quilantan-Garza, K., & [†]Gutierrez (2023). Conscientiousness, prior experience, achievement emotions, and academic procrastination in online learning environments. *British Journal of Educational Technology*. doi.org/10.1111/bjet.13302

[17] Johnson, K., **Cheng, S.**, Brookover, D., & Zyromski, B. (2023). Adverse childhood experiences as context for youth assessment and diagnosis. *Journal of Counseling & Development*. doi.org/10.1002/jcad.12460

[16] **Cheng, S.**, Huang, J.-C., & Hebert, W. (2023). Profiles of vocational college students' achievement emotions in online learning environments: Antecedents and outcomes. *Computers in Human Behavior*, 138, 107452. <https://doi.org/10.1016/j.chb.2022.107452>

[15] Chen, C. C., **Cheng, S. L.**, Senter, R., Xu, Y., Rudasill, K. M., Washington-Nortey, M., Zhang, F., & Adams, N. (2022). Transactions between problem behaviors and academic performance in early childhood. *International Journal of Environmental Research and Public Health*, 19(15), 9583. doi.org/10.3390/ijerph19159583

- [14] Cheng, S. L., Chang, J. C., & [†]Romero, K. (2022). Are pedagogical beliefs an internal barrier for technology integration? The interdependent nature of teacher beliefs. *Education and Information Technologies*. doi.org/10.1007/s10639-021-10835-2
- [13] Chen, C.-C., Cheng, S. L., Xu, Y., Spence, C., Zhang, F., & Adams, N. B. (2022). *Child developmental and special education service receipt: The intersection of health and poverty*. *Disability and Health Journal*. doi.org/10.1016/j.dhjo.2022.101269
- [12] Xie, K., Nelson, M. J., Cheng, S. L., & Jiang, Z. (2021). Examining changes in teachers' perceptions of external and internal barriers in their integration of educational digital resources in K-12 classrooms. *Journal of Research on Technology in Education*. doi.org/10.1080/15391523.2021.1951404
- [11] Cheng, S. L., & Xie, K. (2021). Why college students procrastinate in online courses: A self-regulated learning perspective. *The Internet and Higher Education*, 50, 100807. doi.org/10.1016/j.iheduc.2021.100807
- [10] Xie, K., Vongkulluksn, V. W., Cheng, S. L., & Jiang, Z. (2021). Examining membership transitions in motivational profiles of high school students. *Journal of Educational Psychology*. doi.org/10.1037/edu0000507
- [9] Cheng, S. L., Prohn, S. M., Dinora, P., Broda, D. M., & Bogenschutz, M. (2020). Measuring and tracking personal opportunity outcome measures over three years to guide policy and services that promote inclusive community living. *Inclusion*, 8(4), 335-350. doi.org/10.1352/2326-6988-8.4.335
- [8] Cheng, S. L., Chen, S. B., & Chang, J. C. (2020). Examining the multiplicative relationships between teachers' competence, value, and pedagogical beliefs about technology integration. *British Journal of Educational Technology*, 52(2), 734-750. doi.org/10.1111/bjet.13052
- [7] Xie, K., Vongkulluksn, V. W., Lu, L., & Cheng, S. L. (2020). A person-centered approach to examining high-school students' motivation, engagement, and academic performance. *Contemporary Educational Psychology*, 101877. doi.org/10.1016/j.cedpsych.2020.101877
- [6] Cheng, S. L., Lu, Lin, Xie, K., & Vongkulluksn, V. W. (2020). Understanding teacher technology integration from expectancy-value perspectives. *Teaching and Teacher Education*, 103062. doi.org/10.1016/j.tate.2020.103062
- [5] Nelson, J. M., Voithofer, R., Cheng, S. L. (2019). Mediating factors that influence the technology integration practices of teacher educators. *Computers & Education*, 128, 330-344. doi.org/10.1016/j.compedu.2018.09.023
- [4] Cheng, S. L., & Xie, K. (2018). The relations among teacher value beliefs, personal characteristics, and TPACK in intervention and non-intervention settings. *Teaching and Teacher Education*, 74, 98-113. doi.org/10.1016/j.tate.2018.04.014
- [3] Xie, K., Kim, M., Cheng, S. L., & Luthy, N. C. (2017). Teacher professional development through digital content evaluation. *Educational Technology Research & Development*, 65, 1067-1103. doi.org/10.1007/s11423-017-9519-0
- [2] Kim, M., Xie, K., & Cheng, S. L. (2017). Teacher competency building in digital content evaluation. *Teaching and Teacher Education*, 66, 309-324. doi.org/10.1016/j.tate.2017.05.00
- [1] Xie, K., Lu, L., Cheng, S. L., & Izmirlı, S. (2017). The interactions between facilitator identity, conflictual presence, and social presence in peer-moderated online collaborative learning.

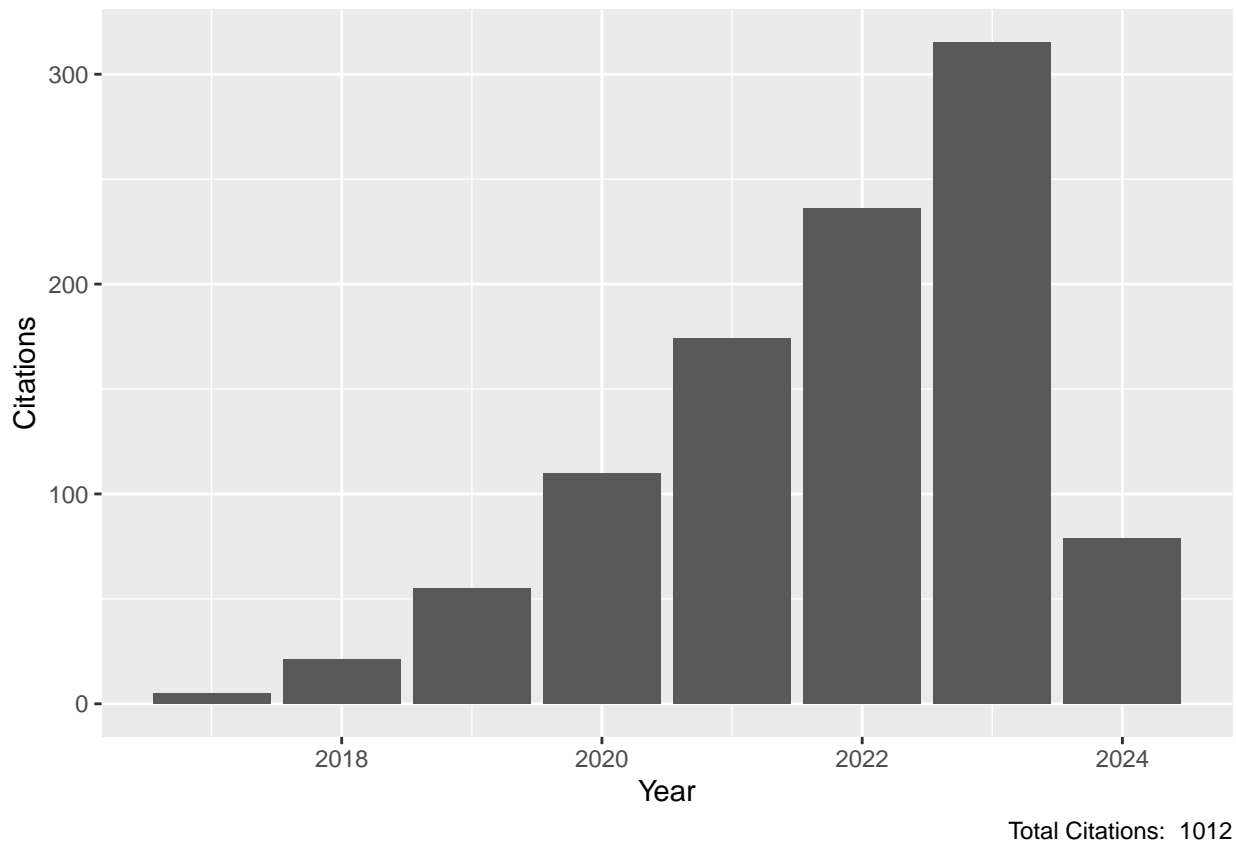
Distance Education, 38(2), 230-244. doi.org/10.1080/01587919.2017.1322458

THESIS/DISSERTATION

Cheng, S. L. (2019). *The relationships between perceived course structures, conscientiousness, motivational beliefs, and academic procrastination in online undergraduate courses*. [Unpublished doctoral dissertation]. The Ohio State University.

Cheng, S. L. (2013). *The design of online experiential financial literacy games*. [Unpublished master's thesis]. New Mexico State University.

CITATION HISTORY



Research Grants & Contracts

Total Awarded: USD 13,334 TWD 787,000

IN PROCESS

Understanding the processes of technology integration in career and technical education from a self-regulatory perspective

National Science and Technology Council (TWD 787,000)

National Taipei University of Technology

Principal Investigator. 2022-2023.

COMPLETED

College students' self-regulated learning in online computer science courses

Interdisciplinary Collaborations Program (USD 12,134)

Sam Houston State University

Principal Investigator. Co-PI: Li-Jen Lester. 2021-2022.

A longitudinal assessment of students' motivational processes and products in an online doctoral program to increase student retention

Assessment Mini-Grant (USD 700)

Sam Houston State University

Principal Investigator. Co-PI: Donggil Song & Marilyn Rice. 2020-2021.

The relationships between perceived course structures, conscientiousness, motivational beliefs, and academic procrastination in online undergraduate courses

Educational Studies Dissertation Research Grants for Graduate Students (USD 500)

The Ohio State University

Co-Investigator. PI: Kui Xie. 2019.

NOT FUNDED

The impact of personal student characteristics and online learning features on Algebra One achievement for academically nontraditional charter school students

Small Grant (USD 50,000)

Spencer Foundation

Co-Principal Investigator. PI: Kui Xie. 2021.

Creating equitable education opportunities through addressing social determinants of health and wellness of college students due to Covid-19

Special COVID-19 Related Research Grant Program (USD 49,997)

Spencer Foundation

Methodologist & Evaluator. PI: Kaprea Johnson. 2020.

Racial-ethnic identity and personality to reduce intergroup bias in multi group context

Social Psychology (USD 1,253,301)

National Science Foundation

Co-Principal Investigator. PI: Kaprea Johnson. 2019.

Conference & Other Presentations

(† student co-authors)

NATIONAL REFEREED CONFERENCE PRESENTATIONS

[42] Lin, S.-M., & Cheng, S. (2024, May). *Comparing first-generation and continuing-generation college students' learning in an online environment*. Paper to be presented at Prospects for Future Teachers and Future Teaching, Taichung, Taiwan.

- [41] Yu, H., & **Cheng, S.** (2024, May). *Teaching with technology requires high expectancies and high values*. Paper to be presented at Prospects for Future Teachers and Future Teaching, Taichung, Taiwan.
- [40] Hsu, S.-L., & **Cheng, S.** (2024, May). *The role of technology integration learning process in vocational teachers' technology integration*. Paper to be presented at Prospects for Future Teachers and Future Teaching, Taichung, Taiwan.
- [39] Rudasill, K. M., **Cheng, S. L.**, Sealy, M., Chen, C. C., Xu, Y., & Xie, L. (2024, April). *White privilege in the early elementary classroom: Implications for children's achievement*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- [38] Vongkulluksn, V., Jiang, Z., Xie, K., & **Cheng, S.** (2023, August). *Meeting student needs during COVID-19 and beyond: How Maslow's needs relate to learning engagement*. Paper presented at the annual meeting of the American Psychological Association. Washington, DC.
- [37] Hsu, Y. P., Tsai, C. C. K., Hsu, K. C., & **Cheng, S.** (2023, April). *Using collaborative online international learning to enhance cross-cultural experience in language learning*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- [36] **Cheng, S.**, Huang, J. C., & [†]Hebert, W. (2023, April). *Profiles of vocational college students' achievement emotions and self-regulated learning in online learning environments*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL. * **Nominated for the 2023 Best Paper Award in Instructional Technology (IT) SIG session**
- [35] **Cheng, S.**, [†]Haro, A., [†]Hebert, W., & [†]Gutierrez, M. L. (2023, April). *First-generation college students in online learning environments: A systematic review*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- [34] Xie, K., **Cheng, S.**, Huang, L., & Tang, H. (2023, April). *Evaluating open educational resources as a teacher digital competency in higher education*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- [33] **Cheng, S.**, Lester, L. J., & [†]Casper, M. (2022, December). *Perceived learning environments, motivation, time management, and academic achievement in online computer science courses*. Paper presented at the annual meeting of the Asian Conference on Education. Tokyo, Japan.
- [32] **Cheng, S. L.**, Tseng, S. S., [†]Ramirez, E., & [†]Parker, M. (2022, October). *Relations between teacher beliefs and instructional practices in online learning environments*. Paper presented at the annual meeting of the Association for Education Communication and Technology. Las Vegas, NV.
- [31] **Cheng, S. L.**, Chang, J. C., [†]Quilantan-Garza, K., [†]Gutierrez, M., & [†]Russell, S. G. (2022, October). *Patterns of emotional experiences during emergency remote teaching in Taiwan*. Paper presented at the annual meeting of the Association for Education Communication and Technology. Las Vegas, NV.
- [30] Koenka, A. C., Yu, S. L., **Cheng, S. L.**, Kim, Y., Lee, H., & Heckler, A. F. (2022, August). *Gendered patterns in Physics identity, belonging, motivational beliefs, and performance*. Paper presented at the annual meeting of the American Psychological Association. Minneapolis, MN.
- [29] **Cheng, S. L.**, Hsu, Y. P., & [†]Collier, J. R. (2022, April). *An analysis of public posts about girls and women in STEM on Facebook*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

- [28] Greene, M., **Cheng, S. L.**, & Jones, W. M. (2022, April). *A multilevel analysis of preservice teachers' technology integration knowledge development in a technology based course*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
* *Nominated for the 2022 Best Paper Award in Instructional Technology (IT) SIG session*
- [27] **Cheng, S. L.**, Chang, J. C., & [†]Romero, K. (2021, November). *Are pedagogical beliefs an internal barrier for technology integration? The interdependent nature of teacher beliefs*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Chicago, IL.
- [26] **Cheng, S. L.**, & [†]Parker, M. (2021, November). *Contextualizing the barrier to technology integration model: The role of school socioeconomic status*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Chicago, IL.
- [25] Chen, C.-C., Xu, Y., Spence, C., **Cheng, S. L.**, Senter, R., Zhang, F., & Adams, N. (2021, April). *Problem behaviors and academic achievement: A cross-lagged study in early childhood*. Paper presented at the 2021 SRCD virtual biennial meeting.
- [24] **Cheng, S. L.**, Chen, S. B., & Chang, J. C. (2021, April). *Examining the multiplicative relationships between teachers' competence, value, and pedagogical beliefs about technology integration*. Paper presented at the virtual annual meeting of the American Educational Research Association.
* *Nominated for the 2021 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG session*
- [23] Xie, K., Nelson, M. J., **Cheng, S. L.**, & Jiang, Z. (2021, April). *How do K-12 teachers' perceptions of external and internal barriers technology integration change over time? An examination with both variable-centered and person-centered approaches*. Paper presented at the virtual annual meeting of the American Educational Research Association.
- [22] **Cheng, S. L.**, Xie, K., Chen, S. B., & Shortt, M. (2020, April). *Understanding online academic procrastination from a self-regulated learning perspective*. Paper accepted at the annual meeting of the American Educational Research Association, San Francisco, CA.
- [21] Xie, K., Vongkulluksn, V. M., **Cheng, S. L.**, & Jiang, Z. (2020, April). *Examining high-school students' motivation change through a person-centered approach*. Paper accepted at the annual meeting of the American Educational Research Association, San Francisco, CA.
- [20] Li, X., Xie, K., **Cheng, S. L.**, Yan, H. (2020, April). *The role of learning skills with information and communication technology (ICT) in pre-service teachers' technology integration*. Paper accepted at the annual meeting of the American Educational Research Association, San Francisco, CA.
* *Nominated for the 2020 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG session*
- [19] **Cheng, S. L.** (2019, October). *Reflection on the AECT 2018 Early Career Symposium*. Paper accepted at the annual meeting of the Association for Education Communication and Technology, Las Vegas, NV.
- [18] **Cheng, S. L.**, Jiang, Z., Cheng, S. B., & Xie, K. (2019, October). *Examining perceptions of course design in relation to student engagement and academic achievement in online learning environments*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Las Vegas, NV.
- [17] Vongkulluksn, V., Xie, K., & **Cheng, S. L.** (2019, October). *Factors of information literacy skills: Goal orientation, classroom tasks, and cognitive strategy use*. Paper presented at the annual meeting

of the Association for Education Communication and Technology, Las Vegas, NV.

[16] Vongkulluksn, V., **Cheng, S. L.**, & Xie, K. (2019, August). *Motivation and classroom factors of high schoolers' information seeking self-regulation behaviors*. Paper presented at the annual convention of the American Psychological Association, Chicago, IL.

[15] Vongkulluksn, V. W., **Cheng, S. L.**, Xie, K. (2019, August). *Classification of information searching tasks in science: Task characteristics and student behaviors*. Paper presented at the annual meeting of the American Psychological Association, Chicago, IL.

[14] **Cheng, S. L.**, Lu, L., Xie, K., & Vongkulluksn, V. W. (2019, April). *Revisiting teacher beliefs about technology integration: Expectancy-value perspectives*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.

* *Finalist for the Richard C. Anderson Graduate Student Research Award 2019 in National Consortium for Instruction and Cognition*

* *Nominated for the 2019 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG session*

[13] Nelson, M. J., Voithofer, R. J., & **Cheng, S. L.** (2019, April). *Mediating factors that influence the technology integration practices of teacher educators*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.

[12] **Cheng, S. L.**, Lu, L., & Xie, K. (2018, October). *Effects of ability and value beliefs on technology integration: A Multilevel mediation analysis*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Kansas City, MO.

[11] **Cheng, S. L.**, & Xie, K. (2018, April). *Teacher demographic characteristics, value beliefs, and TPACK perceptions*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

* *Nominated for the 2018 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG session*

[10] Xie, K., **Cheng, S. L.**, & Lu, L. (2018, April). *The adverse power of conflictual presence in social learning*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

[9] Xie, K., Vongkulluksn, V. W., Lu, L., & **Cheng, S. L.** (2018, April). *Profiles of academic motivation and school belongingness: Insights of motivational profiles on engagement and performance*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

[8] Lu, L., Izmirlı, S., **Cheng, S. L.**, & Xie, K. (2017, April). *Investigating socially-situated identity in peer-moderated online collaborative learning: A discourse analysis study*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

[7] Kim, M., **Cheng, S. L.**, & Xie, K. (2017, April). *The validation of a systemic evaluation framework to investigate the multi-layered impacts of technology integration projects*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

[6] Kim, M., **Cheng, S. L.**, & Xie, K. (2016, October). *Building a systemic evaluation framework to track longitudinal impacts of a statewide technology integration project*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Las Vegas, NV.

[5] **Cheng, S. L.**, & Xie, K. (2016, October). *The effect of motivational and presage variables on teachers' TPACK in the context of technology professional development*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Las Vegas, NV.

[4] Xie, K., **Cheng, S. L.**, Kim, M., & Luthy, N. C. (2016, April). *How teachers learn and become competent via the evaluation of digital materials*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.

* *Nominated for the 2016 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG session*

[3] Xie, K., Lu, L., **Cheng, S. L.**, & Kim, M. (2016, April). *Technology professional development on catalyst teachers through a blended approach*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.

[2] Kim, M., **Cheng, S. L.**, Xie, K., Priebe, D., & Chen, S. B. (2016, April). *A study on the teacher competency building for digital content evaluation*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.

[1] Xie, K., & **Cheng, S. L.** (2015, November). *Improving teachers' technological pedagogical content knowledge through digital content evaluation*. Paper presented at the annual meeting of the Association for Education Communication and Technology, Indianapolis, IN.

REGIONAL REFEREED CONFERENCE PRESENTATIONS

[4] Xie, K., Vongkulluksn, V. W., & **Cheng, S. L.** (2019, February). *Successful technology integration: Essential agents and resources*. Presented at the EHE Student Research Forum, The Ohio State University, Columbus, OH.

[3] **Cheng, S. L.**, & Chen, S. B. (2016, February). *The effect of motivation on TPACK in technology professional development*. Presented at the EHE Student Research Forum, The Ohio State University, Columbus, OH.

[2] **Cheng, S. L.** (2015, January). *Evaluating the impact of educational technology professional development on teachers' knowledge, motivation, and self-Efficacy*. Presented at the EHE Student Research Forum, The Ohio State University, Columbus, OH.

[1] **Cheng, S. L.** (2013, April). *Moving beyond functional literacy pedagogy: Co-authorship of books as a transformative literacy practice*. Presented at the annual meeting of New Mexico Shared Knowledge Conference, Albuquerque, NM.

INVITED PRESENTATIONS

Research Roundtable Series in the Research Laboratory of Digital Learning: The series was designed to bring in open discussions to advance innovative research in digital learning and to extend the boundaries of knowledge construction to the College of Education and the Ohio State University.

Cheng, S. L. (2016, November). *Stimulating social processes with agent-based methodologies*. Presented at the Research Laboratory for Digital Learning, The Ohio State University, Columbus, OH.

Cheng, S. L. (2016, September). *Defining and redefining non-cognitive competencies*. Presented at the Research Laboratory for Digital Learning, The Ohio State University, Columbus, OH.

Cheng, S. L. (2015, October). *Technology professional development in K-12 schools and higher education*. Presented at the Research Laboratory for Digital Learning, The Ohio State University, Columbus, OH

Teaching

NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY

Career Planning and Management for Employees (EMI)
Human Resource Development (EMI)
Multivariate Statistics (EMI)
Organizational Learning & Knowledge Management (EMI)
Psychology of Management (EMI)
Training Implementation and Evaluation (EMI)

SAM HOUSTON STATE UNIVERSITY

ISDT 7388: Doctoral Field Studies (doctoral; 100% online)
ISDT 7380: Instructional Technology Research Methods (doctoral; 100% online)
ISDT 7372: Statistical Methods (doctoral; 100% online)
ISDT 7355: Program Evaluation (doctoral; 100% online)
ISDT 7336: Instructional Design Assessment (doctoral; 100% online)
ISDT 7335: Management Application Analysis (doctoral; 100% online)
ISDT 7325: Technology Sustainability (doctoral; 100% online)

THE OHIO STATE UNIVERSITY

ESLTECH 8226: Methods of Inquiry in Learning Technologies (graduate; face to face; co-instructor with Dr. Kui Xie)
ESLTECH 2011: Keys to Academic Success for Online Learners (undergraduate; 100% online)

Program Evaluation & Assessment

VIRGINIA COMMONWEALTH UNIVERSITY

Special Olympics

Goal: The Special Olympics project intends to assess the effectiveness of an intervention program to reduce the weight and blood pressure of people with disabilities in the United States and other countries.

Leadership for Empowerment and Abuse Prevention (LEAP)

Goal: The LEAP project intends to assess the effectiveness of an intervention program to improve the sense of empowerment and the awareness of health relationships for people with disabilities.

Richmond Teacher Residency (RTR)

Goal: The RTR project intends to assess the effectiveness of a teacher residency program to improve pre-service teachers' instructional practice in line with the What Works Clearinghouse

(WWC) standards of quasi-experimental designs.

THE OHIO STATE UNIVERSITY

Scaffolding Students' Information Literacy Development in Science

Goal: The Information Literacy project intends to assess the ways in which high school science teachers scaffold information literacy skills as part of science instruction, and how these scaffolding practices are linked to students' growth in information literacy skills.

College Ready Ohio (CRO)

Goal: The CRO project intends to assess the effectiveness of a technology integration initiative to improve in-service teachers' technological pedagogical content knowledge (TPACK), beliefs about using mobile technologies in classrooms, and students' cognitive and non-cognitive competencies.

Algebra Ready

Goal: The Algebra Ready project intends to assess the effectiveness of a technology professional development to improve technological pedagogical content knowledge (TPACK) and beliefs about using digital curriculum in classrooms.

Evaluating Digital Content for Instructional and Teaching Excellence (EDCITE)

Goal: The EDCITE project intends to assess the effectiveness of a technology integration initiative to improve in-service teachers' technological pedagogical content knowledge (TPACK) and beliefs about using digital curriculum in classrooms.

Professional Memberships

American Educational Research Association (2014–present)

Association for Educational Communication and Technology (2015-present)

National Consortium for Instruction and Cognition (2018-present)

Research Laboratory for Digital Learning (2014-present)

Honors & Awards

2022 Nominated for the 2023 Best Paper Award in Instructional Technology (IT) SIG, AERA

2021 Nominated for the 2022 Best Paper Award in Instructional Technology (IT) SIG, AERA

2020 Nominated for the 2021 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG, AERA

2019 Nominated for the 2020 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG, AERA

2019 Nominee for Teaching Associate Award hosted by the Department of Educational Studies, The Ohio State University

2019 Finalist for the Richard C. Anderson Graduate Student Research Award in National Consortium for Instruction and Cognition

2018 Nominated for the 2019 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG, AERA
2018 Selected attendee for AECT Early Career Research Symposium hosted by Research and Theory Division
2018 Winner of the Association for Educational Communications & Technology (AECT), Division of Distance Learning Journal Article Awards for Qualitative Research
2018 Recipient of the College of Education and Human Ecology: Donald G. Lux and Harriet H. Lux Scholarship Fund in Technology Education, The Ohio State University
2017 Nominated for the 2018 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG, AERA
2017 Recipient of the College of Education and Human Ecology: Charles Birkenshaw Mendenhall Memorial Fund, The Ohio State University
2016 Recipient of the College of Education and Human Ecology: Wilbur Hopkins Memorial Fund, The Ohio State University
2015 Nominated for the 2016 Best Paper Award in Technology as an Agent of Change in Teaching and Learning (TACTL) SIG, AERA
2015 Recipient of the College of Education and Human Ecology: Charles Birkenshaw Mendenhall Memorial Fund, The Ohio State University
2014 Recipient of the College of Education and Human Ecology: Donald G. Lux and Harriet H. Lux Scholarship Fund in Technology Education, The Ohio State University
2013 New Mexico State University Honor's Graduate
2012 New Mexico State University International Alumni Scholarship

Workshop

Cheng, S. L. (2020, January-April). *Data Analysis of National Survey of Children's Health (NSCH) Data*. Virginia Leadership Education in Neurodevelopmental Disabilities Seminar II. Virginia Commonwealth University, Richmond, VA.

Cheng, S. L. (2019, November). *Power Analysis for Structural Equation Modelling*. Stat+ User's Group. Virginia Commonwealth University, Richmond, VA.

National Service

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION

Secretary/Treasurer of SIG 151 Technology as an Agent of Change in Teaching and Learning (2021-2023)
Communications Officer of SIG 52 Instructional Technology (2020-2021)
Graduate Student Representative of SIG 31 Design and Technology (2016-2017)

EDITORIAL BOARD

The Internet and Higher Education (2023-)

AD HOC REVIEWER

Asia Pacific Education Review
Assessment for Effective Intervention

Computers & Education
Distance Education
Education and Information Technologies
Educational Psychology: An International Journal of Experimental Educational Psychology
Journal of Computer Assisted Learning
Journal of Computers in Education
Journal of Research on Technology in Education
Learning and Individual Differences
Teaching and Teacher Education
The Internet and Higher Education

CONFERENCE PEER REVIEW

American Educational Research Association (2014–present)
Association for Educational Communication and Technology (2015-present)

Institutional Service

NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY

Student Affairs Committee (2023-present)
Library Committee (2023-present)

Teacher Education Center

Head of Curriculum Planning Committee (2023-present)

SAM HOUSTON STATE UNIVERSITY

College of Education

Faculty Mentoring Committee (2021-2022)
Assessment Committee (2022)

Dissertation Chair/Committee

Joseph Guidry (co-chair; 2020-2021; pass)
Ngoc Van P. Bui (member; 2021-2022; pass)

THE OHIO STATE UNIVERSITY

Peer Reviewer, *Student Research Forum in College of Education and Human Ecology* (2016)

NEW MEXICO STATE UNIVERSITY

Media Coordinator, *International Club of New Mexico State University* (2013)

Broader Community Service

NEW MEXICO STATE UNIVERSITY

[Family Literacy Project](#): Work with a Chinese ESL girl and her family member to develop a bilingual alphabetic book. Las Cruces Public School District.
Participatory Action Researcher. (2012)

Technical Skills in Learning Technologies

TECHNOLOGY INTEGRATION

Google Certified Educator Level 1 (March, 2020)

Technical Skills in Research Methods

QUANTITATIVE METHODS

Software: R, Mplus, STATA, SPSS, SAS

Comfort with modern methods of data analysis including analysis of variance, conditional process analysis, multilevel modeling, longitudinal data analysis, factor analysis, structural equation modeling, latent profile analysis, and applications of the general linear model.

Professional Training in Research Methods

LASER INSTITUTE

[The LASER Institute](#) aims to increase the capacity of early and mid-career scholars to leverage new data sources and apply computational methods (e.g., network analysis, text mining and machine learning) to support their existing research and develop new lines of inquiry
Cohort 1 (June 14, 2021-present)

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION

[Introduction to Qualitative Meta-Synthesis Methods: Achieving STEM Equity and Inclusion through Syntheses](#) (May 20, 2021)

[Advanced Meta-Analysis](#) (April, 14, 2021)

[Modern Meta-Analysis Research](#) (February 10, 2021)

[Introduction to Systematic Review and Meta-Analysis](#) (June 4, 2020)

EMDS WORKSHOPS

[Analysis of Complex Survey Data](#) (December 10-11, 2020)

THE OHIO STATE UNIVERSITY

Introduction to Educational Statistics

Sample Designs and Survey Research Methods

Categorical Data Analysis

Advanced Research Methods
Introduction to Educational Measurement
Regression Analysis
Applied Multilevel Data Analysis
Covariance Structure Models
Introduction to Educational Evaluation
Structural Equation Modeling
Statistical Mediation, Moderation, and Conditional Process Analysis
Seminars: Quantitative Research, Evaluation, and Measurement (Advanced Structural Equation Modeling)

Professional Training in Teaching

SAM HOUSTON STATE UNIVERSITY

Online Faculty Course Redesign & Faculty Certification
Cohort 2 (March 22-April 25, 2021)

References

[Dr. Kui Xie](#), Cyphert Distinguished Professor at The Ohio State University

[Dr. Kathleen M. Rudasill](#), Senior Associate Dean for Research and Faculty Development at Virginia Commonwealth University

[Dr. Rick Voithofer](#), Associate Professor at The Ohio State University

[Dr. Dorinda Gallant](#), Associate Professor at The Ohio State University

[Dr. Christopher Wolters](#), Professor at The Ohio State University

[Dr. MinJung Kim](#), Assistant Professor at The Ohio State University