

YE CHEN

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EDUCATION

Syracuse University, Syracuse, NY

Ph.D., Instructional Design, Development, and Evaluation, August 2018

- Ph.D. Emphasis: Emerging educational technologies, preparing teachers for using technologies, online learning, learning analytics
- Dissertation: “Cognitive presence in peer-facilitated asynchronous online discussion: The patterns and how to facilitate.”

Peking University, Beijing, China

M.Ed., Educational Technology, June 2011

- M.Ed. Emphasis: Online education, emerging learning technologies, teacher development
- Thesis: “Knowledge management in virtual teams: A case of the online K-12 teacher professional development program in China.”

Beijing JiaoTong University, Beijing, China

- **B.S.**, Electronic Engineering, June 2008
- Thesis: “Modeling and simulation of electrical resistance tomography system in measuring two-phase flows.”

PROFESSIONAL EXPERIENCE

- Assistant Professor (Tenure Track), Educational Technology and Foundations, University of West Georgia
August 2019 – Current
- Assistant Professor (Tenure Track), Learning Design and Technology, University of Alaska Southeast
August 2018 – May 2019
- Program Coordinator, Master Program in Learning Technology and Design & Graduate Certificate in Educational Technology, University of Alaska Southeast
August 2018 – May 2019
- Teaching Assistant / Instructor, Instructional Design, Development, & Evaluation, Syracuse University
August 2014 – May 2017

JOURNAL ARTICLES

- **Chen, Y.,** Lei, J., & Cheng, J. (2019). What if online students take on the responsibility: students' cognitive presence and peer facilitation techniques. *Online Learning* (formerly Journal of Asynchronous Learning Networks), 23(1), 37-61. doi:10.24059/olj.v23i1.1348
- Lei, J., Luo, P. H., Wang, Q., Shen, J., Lee, S., & **Chen, Y.** (2016). Using technology to facilitate modeling-based science education: Lessons learned from a meta-analysis of empirical research. *Journal of Educational Technology Development and Exchange (JETDE)*, 9(2), 53-83.
- Guo, W. G., **Chen, Y.,** Lei, J., Wen, Y. (2014). The effects of facilitating feedback on online learners' cognitive engagement: Evidence from the asynchronous online discussion. *Education Science*, 4(2), 193-208.
- **Chen, Y.,** Yang, J., Guo, W. G. (2012). How do K-12 teachers choose online educational resource? – A model for assessing K-12 educational website (in Chinese). *China Educational Technology*, 300 (1), 94-99.
- Jiang, Y., Jiang, J., **Chen, Y.** (2012). Analysis of the educational application of the digital game crayon physics (in Chinese). *K-12 Information and Technology Education*, 122(2), 59-62.
- Deng, X., **Chen, Y.,** Yan, Z. W., Wei, Z. (2009). AC impedance model of array electrodes in multisensor fusion system for two-phase flow measurement, *IEEE Transactions on Instrumentation and Measurement*, 59(6), 1722-1726.

CONFERENCE PROCEEDINGS

- **Chen., Y.** & Hall., J. (2017, April-May). Online learners' cognitive presence and peer facilitators' contribution: When facilitation scripts are used. From the *AERA Online Paper Repository*: <http://www.aera.net/repository>. American Educational Research Association (AERA).
- **Chen, Y.,** Yu, B., Zhang, X. Yu., Y (2016, April). Topic modeling for evaluating students' reflective writing: A case study of pre-service teachers' journals. In *Proceedings of the 6th International Conference on Learning Analytics and Knowledge* (pp. 1-5). ACM.
- **Chen, Y.** & Lei., J. (2016, April). Towards higher-level cognitive presence in online inquiry dialogue: What's the pattern and how to facilitate? From the *AERA Online Paper Repository*: <http://www.aera.net/repository>. American Educational Research Association (AERA)
- **Chen, Y.** (2015). Automated content analysis of students' cognitive presence in asynchronous online discussion. In *Proceedings of World Conference on Educational Media and Technology 2015* (pp. 339-344). Association for the Advancement of Computing in Education (AACE).
- **Chen, Y.,** Koszalka, T. (2015). Deepen the meaning of learning experience: Online learners' cognitive presence in self-directed instructional design inquiry. From the *AERA Online Paper Repository*: <http://www.aera.net/repository>. American Educational

Research Association (AERA)

- **Chen, Y.,** Koszalka, T., & Luo, H. (2013). Online learners' cognitive presence in self-directed inquiry: Evidence from learners' reflective writing. In *Proceedings of 19th Annual Sloan Consortium International Conference on Online Learning* (pp.506-508), Lake Buena Vista, Florida: Sloan Consortium
- **Chen, Y.** (2010). A qualitative study on the learning behaviors of learners in a virtual community (in Chinese), In *Proceedings of Graduates' Academic Forum among Beijing Colleges 2010* (pp.51), Beijing, China
- **Chen, Y.,** Guo, W. G., Yang, J. (2009). How do K-12 teachers choose educational resource? —An empirical study on educational website evaluation (in Chinese). In *Proceedings of Kunming Educational Technology Forum 2009* (pp.49-55), Kunming, China.
- Jiang, Y., **Chen, Y.,** Jiang, J. (2009). Colorful world under the crazy crayon—Case analysis of crayon physics (in Chinese), In *Proceedings of Conference on Digital Game-based Learning 2009* (pp.18-25), Hongkong, China

CONFERENCE PRESENTATIONS

- **Chen, Y., & Cao, L.** (2020). *Empowering Teaching of K-12 Educators through "Maker" and 3D Design Experiences*. Paper accepted at the Annual Convention of the Association for Educational Communications and Technology (AECT). November 2-7, 2020.
- **Chen, Y.** (2019). *Promoting online learning with distributed teaching presence: Pedagogical interventions and student engagement*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Las Vegas, NV, USA, October 21-25, 2019.
- **Chen., Y.** (2019). *Analyzing pre-service teachers' reflective writing: A text mining approach*. Paper presented at the Workshop on Intelligent Agents for Collaborative Learning. Orlando, FL, USA, June 4-6, 2019.
- **Chen., Y.** (2018). *Effects of scripted peer-facilitation on students' cognitive presence in online discussion: An exploration using Bayesian approach*. Paper accepted by American Educational Research Association (AERA) Conference. New York, NY, USA, April 13-17, 2018.
- **Chen., Y. & Hall., J.** (2017). *Online learners' cognitive presence and peer facilitators' contribution: When facilitation scripts are used*. Paper presented at American Educational Research Association (AERA) Conference. San Antonio, TX, USA, April 27-May 1.
- **Chen, Y.,** Yang, T. & Lei, J. (2016). *Emerging technologies for college students' inquiry-based learning*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT) convention, Las Vegas, NV, USA, October 17-21.
- **Chen, Y.,** Yu, B., Zhang, X. Yu., Y (2016). *Topic modeling for evaluating students' reflective writing: A case study of pre-service teachers' journals*. Paper presented at the 6th International Conference on Learning Analytics and Knowledge. Edinburgh, UK, April 25-29, 2016.

- **Chen, Y. & Lei, J.** (2016). *Towards higher-level cognitive presence in online inquiry dialogue: What's the pattern and how to facilitate?* Paper presented at American Educational Research Association (AERA) Conference. Washington D.C., USA, April 8-12, 2016.
- **Chen, Y., Lei, J., & Chen, J.** (2015). *Dynamics of cognitive presence in online learners' inquiry discourse.* Poster presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Indianapolis, IN, USA, November 3-7, 2015.
- **Chen, Y. & Lei, J.** (2015). *Does facilitating matter in enhancing learners' cognitive presence in online asynchronous discussion?* Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT), Indianapolis, IN, USA, November 3-7, 2015.
- **Tao, D., Chen, Y., Barmaki, L.** (2015). *Use text mining to make collective knowledge progress in online discourse visible automatically.* Poster presented at the 11th Annual LearnLab Summer School. Carnegie Mellon University, Pittsburgh, PA, July 13-17, 2015.
- **Chen, Y.** (2015). *Automated content analysis of students' cognitive presence in asynchronous online discussion.* Paper presented at World Conference on Educational Media and Technology. Montréal, Québec, Canada, June 22-24, 2015.
- **Chen, Y. & Koszalka, T.** (2015). *Deepen the meaning of learning experience: Online learners' cognitive presence in self-directed instructional design inquiry.* Paper presented at American Educational Research Association (AERA) Conference. Chicago, IL, USA, April 16-20, 2015.
- **Chen, Y.** (2015). *Students' intellectual engagement in inquiry discourse, and how to enhance.* Poster presented in the 2nd Annual All-University Graduate Research Symposium. Syracuse, NY, USA, March 20-21, 2015.
- **Chen, Y. & Lei, J.** (2015). *Facilitating learners' cognitive presence in a self-directed online course.* Paper presented in the Minisymposium of Cyberlearning Technology and Deep Learning Assessment in CSE Education at Society for Industrial and Applied Mathematics (SIAM) conference on Computational Science & Engineering. Salt Lake City, UT, USA, March 14-18, 2015.
- **Chen, Y., Lei, J., & Chen, J.** (2014). *Exploration of learners' cognitive presence in an inquiry-based online course: Evidence from online discussions.* Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Jacksonville, FL, USA, November 4-8, 2014.
- **Chen, Y. & Koszalka, T.** (2014). *Uncover online learners' cognitive presence in their self-directed design inquiry.* Poster presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Jacksonville, FL, USA, November 4-8, 2014.
- **Chen, Y., & Lei, J.** (2014). *Exploration of learners' learning experience in an inquiry-based online course: Under the framework of community of inquiry.* Poster presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Jacksonville, FL, USA, November 4-8, 2014.
- **Chen, Y., & Liu, H.** (2014). *Uncover deep learning: Assess online learners' cognitive*

- presence in MOOC*. Paper presented at the Society of Industrial and Applied Mathematics (SIAM) Annual Meeting, Chicago, IL, USA, July 7-11, 2014.
- **Chen, Y.** (2014). *Proper questions to address: A fundamental issue for evaluation of education and social programs*. Paper presented at 37th Annual Conference of Eastern Evaluation Research Society (EERS), Absecon, NJ, USA, April 27-29, 2014.
 - Lei, J., Luo, H., Wang, Q., **Chen, Y.**, Shen, J., Lee, S. (2014). *Using technology to facilitate modeling-based science education: Lessons learned from a meta-Analysis of research in 2000-2010*. Paper presented at American Educational Research Association (AERA) Conference. Philadelphia, PA, USA, April 3-7, 2014.
 - **Chen, Y.**, Koszalka, T., & Luo, H. (2013). *Online learners' cognitive presence in self-directed inquiry: Evidence from learners' reflective writing*. Paper presented at the 19th Annual Sloan Consortium International Conference on Online Learning. Lake Buena Vista, FL, USA, November 20-22, 2013.
 - **Chen, Y.**, Guo, W. G., & Luo, H. (2013). *Knowledge sharing in a virtual community of online learning facilitators: A case in a national distance education program in China*. Poster presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Anaheim, CA, USA, October 29-November 2, 2013.
 - **Chen, Y.**, Lei, J., & Luo, H. (2013). *Using activity theory to guide educational technology design and integration: The lessons from 2005 to 2011*. Poster presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Anaheim, CA, USA, October 29-November 2, 2013.
 - Luo, H., Koszalka, T., & **Chen, Y.** (2013). *Case-based online learning module: Design features, perceived usefulness, and impacts on learning*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Anaheim, CA, USA, October 29-November 2, 2013.
 - Lu, L. Y., Wang, W., **Chen, Y.** (2013). *Measuring Chinese pre-service teachers' perceptions in technological pedagogical content knowledge development*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Anaheim, CA, USA, October 29-November 2, 2013.
 - Shen, J., Lei, J., Namdar, B., Lee, S., Luo, H., & **Chen, Y.** (2013). *Synthesizing modeling-based instruction in science education from 1980 to 2010*. Poster presented at the National Association of Research in Science Teaching (NARST) Annual Meeting, Wyndham Rio Mar, Rio Grande, Puerto Rico, April 6-9, 2013.
 - **Chen, Y.**, Lei, J., & Luo, H. (2012). *An investigation of how digital storytelling affects young-aged students' learning: Lessons from the practice in an Art classroom*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Louisville, KY, USA, October 30-November 3, 2012.
 - Luo, H., Koszalka, T., & **Chen, Y.** (2012). *Effect of visual cues in multimedia case-based instruction: Evidence from eye tracking technology*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Louisville, KY, USA, October 30-November 3, 2012.

- Luo, H., Lei, J., & **Chen, Y.** (2012). *Using technology to facilitate modeling-based science education: Lessons learned from the past ten years*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT). Louisville, Kentucky, USA, October 30-November 3, 2012.
- Namdar, B., **Chen, Y.**, Luo, H., Lee, S., Lei, J, Shen, J. (2012). *Achievements and challenges of modeling-based instruction (ACMBI) in science education from 1980 to 2009*. Poster presented at the National Science Foundation PI Meeting, Washington DC, USA, June 13-15, 2012.
- Jiang, Y., **Chen, Y.**, Jiang, J. (2009). *Colorful world under the Crazy Crayon—Case analysis of Crayon Physics*, Paper presented at the Conference on Digital Game-based Learning, Hongkong, China, December 18-19, 2009.

INVITED TALK

- Chen, Y. (2019, Fall). Integrating Telepresence Robots into Online Courses: Virtual Field Trips. Invited talk at 2019 University of Alaska Southeast Convocation, University of Alaska Southeast, AK, USA, August 13-14, 2019.
- Chen, Y. (2018, Fall). Introduction to accessibility, universal design, and methods to support all students. Invited talk at Center for Excellence in Learning and Teaching, University of Alaska Southeast, AK, USA
- Chen, Y. (2017, Spring). Creation of A Peer-facilitated Online Learning Community: Students' Cognitive Presence and How to Facilitate. Invited talk at Alaska College of Education, University of Alaska Southeast, AK, USA
- Chen, Y. (2017, Spring). Technology-supported Analytics in Digital Age Classrooms. Invited talk at School of Learning and Teaching, University of Maine at Orono, ME, USA
- Chen, Y. (2016, Spring). Towards Higher-level Cognitive Presence in Online Inquiry Dialogue: What's the Pattern and How to Facilitate? Invited talk: Brownbag session in Instructional Design, Development, & Evaluation, Syracuse University, NY, USA
- Chen, Y. (2015, Fall). Does Facilitating Matter in Enhancing Learners' Cognitive Presence in Online Asynchronous Discussion? Invited talk: Brownbag session in Instructional Design, Development, & Evaluation, Syracuse University, NY, USA
- Chen, Y. (2014 Fall). Cognitive presence and self-directed online learning. Invited talk: Brownbag session in Instructional Design, Development, & Evaluation, Syracuse University, NY, USA
- Chen, Y. (2014 Spring). Proper Questions to Address: A Fundamental Issue for Evaluation of Education and Social Programs. Invited Talk: Brownbag session in Instructional Design, Development, & Evaluation, Syracuse University, NY, USA

GRANT

- Chen, Y. (2019). PI. Bringing Innovations Lab (Makerspace) to Online Learners: Prepare Teachers for Maker Education. College of Education Research Seed Grant. Funded \$3,251.
- Chen, Y. (2018). PI. Empowering at a Distance: Integrating Telepresence Robots into Online Courses. Association of Chief Academic Officers Digital Fellows Program at

University of Alaska Southeast. Funded \$1000, and 3 course credits release

- Chen, Y. (2015). PI. Learn Through Dialogue: Online Learners' Cognitive Presence in Reflective Inquiry Discourse, School of Education Creative Research Grant, Syracuse University. Funded \$700
- Zhang K. Y., Guo W.G., Shen X.D., Chen. Y. (2013). Leadership in Virtual Facilitator Teams: Lessons from a China Massive Online Teacher Training Program, submitted to Bill & Melinda Gates Foundation. Amount requested: \$25,000 (unfunded)

PROFESSIONAL AFFILIATIONS

- Association for Educational Communications and Technology (AECT)
- Sloan Consortium for Online Teaching and Learning
- Eastern Evaluation Research Society (EERS)
- Society for Industrial and Applied Mathematics (SIAM)
- American Educational Research Association (AERA)
- Association for Advanced Computing in Education (AACE)
- Society for Learning Analytics Research (SoLAR)

TEACHING & ADVISING EXPERIENCE

Graduate Course:

Instructor, College of Education, University of West Georgia

- MEDT 7464 Designing Technology Enhanced Instruction
- MEDT 8463 Issues in Instructional Technology
- MEDT 7468 Instructional Multimedia Design & Development

Instructor, Alaska College of Education, University of Alaska Southeast

- EDET 679 Gamification and Open Education
- EDET 628 Technology in Instructional Design
- EDET 698 Master's Research Project or Portfolio
- EDET 637 Differentiating Instruction Through Technology

Undergraduate Course:

Instructor, Alaska College of Education, University of Alaska Southeast

- ED230 Introduction to Educational Technology

Instructor, School of Education, Syracuse University

- IDE 201 Integrating Technology into Teaching I

K-12 Teacher Professional Development:

Instructor, School of Education, Peking University, China

- National K-12 Teacher Training Program in Kweichow Province, 2009 Fall

Instructor, School of Education, Peking University, China

- Needs-Based Educational Technology Training Program for Rural K-12 Teachers in Shanxi Province, 2009 Spring

Teaching Assistant, School of Education, Peking University, China

- National K-12 Teacher Training Program in Sichuan Province, 2009 Fall

Student Advising:

Graduate Student Advisor, College of Education, University of West Georgia, January 2020
– current

- Advisor for 10 M.Ed. students
- Advisor for 17 Ed.S. students
- Advisor for 1 NonDegree students

Graduate Student Advisor, Alaska College of Education, University of Alaska Southeast, August 2018 – May 2019

- Advisor for 25 master students
- Advisor for 26 Graduate Certificate students
- Advisor for one Endorsement Area (Distance Teaching and e-Learning) student

M.Ed. Portfolio Review, Alaska College of Education, University of Alaska Southeast, August 2018 – May 2019

- Portfolio advisor and reviewer for two master students in Learning Design and Technology
- Portfolio advisor and reviewer for one master student in Math Education

Graduate Student Advisor, School of Education, Syracuse University, August 2016 – May 2017

- Teaching mentor for one doctoral student (IDE 201)

Undergraduate Student Advisor, Beijing Jiaotong University, China, September 2006 – July 2008

- Academic & career advisor for 60 undergraduate students (Class 0608)

SERVICE

Professional Service:

- *Reviewer*, TechTrends, 2020
- *Reviewer*, Journal of Studies in Educational Evaluation, 2020, 2018
- *Reviewer*, The Book of Selected Readings (IVLA) by International Visual Literacy Association, 2020
- *Reviewer*, The 2020 Annual Conference of Association for Educational Communications and Technology (AECT), 2020
- *Reviewer*, 2020 Instructional Technology Forum, College of Education, University of West Georgia, 2019

- *Reviewer*, Journal of Learning Analytics, 2019
- *Reviewer*, Journal of Mathematical Behavior, 2018
- *Reviewer*, American Educational Research Association 2017 Annual Meeting, Learning Science SIG, 2016
- *Reviewer*, American Educational Research Association 2017 Annual Meeting, SIG-Online Teaching and Learning, 2016
- *Reviewer*, American Educational Research Association 2016 Annual Meeting, Learning Science SIG, 2015
- *Reviewer*, The Annual Conference of Association for Educational Communications and Technology, 2015
- *Session Chair*, Concurrent session for World Conference on Educational Media and Technology, Canada, June 2015
- *Facilitator* in Concurrent session, The Annual Conference of Association for Educational Communications and Technology, US, November 2013
- *Facilitator* in Concurrent session, The Annual Conference of Association for Educational Communications and Technology, US, November 2012

Department/College/University Service:

- *Facilitator (Elementary Education Group)*, UWG Innovations Lab Advisory Summit, University of West Georgia May 21, 2020
- *Team Member*, UWG Innovations Lab (Research team & Bus Dream events volunteer), University of West Georgia August 2019 – Current
- *UWG Representative*, UWG Innovations Lab Advisory Board, University of West Georgia August 2019 – Current
- *Committee Member*, CAEP Assessment Committee, Alaska College of Education, University of Alaska Southeast October 2018 – May 2019
- *UAS Representative*, Alaska Professional Schools Network (AKPSN), University of Alaska Southeast October 2018 – May 2019
- *Committee Member*, Teaching and Leadership Committee in School of Education, Syracuse University December 2013–December 2014
- *Committee Member*, Curriculum and Degree Committee in School of Education, Syracuse University September 2013–May 2014

Community Service:

- *Volunteer*, War Zones Topic of Symposium: Conversation of Deconstructing the War Zone, Syracuse University January 2013
- *Volunteer*, Say Yes to Education, Huntington School, Syracuse February 2012–May 2012
- *Volunteer*, Open School for Migrant Workers, Peking University, China September 2008–January 2009