Jongpil Cheon

Associate Professor of Instructional Technology
Educational Psychology and Leadership
College of Education
Texas Tech University
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EDUCATION

2008 **Ed.D.** **Instructional Design and Technology**
University of Memphis

2002 **M.A.** **Computer Education**
Gyeongin National University of Education, Incheon, Korea

1992 **B.A.** **Elementary Education**
Gyeongin National University of Education, Incheon, Korea

PROFESSIONAL EXPERIENCES

2014 - present **Associate Professor, Texas Tech University**
Instructional Technology Program, Department of Educational Psychology and Leadership
Director, Center of Innovation in E-Learning, College of Education, Texas Tech University

2008 - 2014 **Assistant Professor, Texas Tech University**
Instructional Technology Program, Department of Educational Psychology and Leadership

2009 - 2011 **Instructor, Hanyang Cyber University, Seoul, Korea**
Instructional Technology Program

2005 - 2008 **Research Assistant, University of Memphis**

Instructor

2000 – 2002 Gyeongin National University of Education, Incheon, Korea

1993 - 2002 Incheon Education & Science Research Institute, Incheon, Korea

2000 Teacher Campus (online teacher training center - http://teacher21.co.kr), Seoul, Korea

1999 **Project Manager, The Ministry of Education and Human Resources, Korea**
- Development of an educational software "The Korean music world" with Visual Basic
- Development of an educational software "Learning materials for 2nd grade students" with Flash

1996 - 2002 **Network Administrator**
Bugok elementary school and Hyosung elementary school, Incheon, Korea

School Teacher

2000 - 2003 Hyosung elementary school, Incheon, Korea

1996 - 1999 Bugok elementary school, Incheon, Korea

1992 - 1995 Samsan elementary school, Incheon, Korea

PUBLICATIONS

Books

Cheon, J., & Crooks, S. (2012). *Digital Literacy*. Dubuque, IA: Great River Technologies.

Price, R. V., Crooks, S., & Cheon, J. (2011). *Computer Skills and Concepts: A Mastery Approach (6th ed.).* Champaign, IL: Stipes Publishing.

Crooks, S., Cheon, J., & Inan, F. (2009). *Instructional Designer's Workbook*. Covenant Health System, Lubbock: TX.

Lowther, D. L., Grant, M. M., Marvin, E. D., Inan, F. A., Cheon, J., & Clark, F. (2005). *Teacher's technology handbook: A resource to support effective technology integration*. Memphis, TN: Appalachian Technology in Education Consortium and the University of Memphis.

Book Chapters

Crooks, S., & Cheon, J. (2013). Strategies for Note Taking on Computer-Based Graphic Organizers. In S. Gregory, M. Matthew, & R. Daniel (Ed.), Learning through Visual Displays, Information Age Publishing, Charlotte, NC

Journal Publications

Griffin-Shirley, N., Banda, D. R., Ajuwon, P. M., Cheon, J., Lee, J., Park, H., & Lyngdoh, S. (in press). A Survey on the Use of Mobile Applications for People who are Visually Impaired. *Journal of Visual Impairment and Blindness.*

Cox, C. D., Cheon, J., Crooks, S. M., Lee, J., & Curtis, J. D. (in press). Behind the numbers of a preceptor mini-series: A proven approach to preceptor development. *American Journal of Pharmaceutical Education.*

Crooks, S. M., Cheon, J., Casanova, R., & Jenkins, M. (2016). Instructional Design Framework for the Sex and Gender Specific Health (SGSH) Multimedia Case-Based Learning Modules (MCBLM). *Biology of Sex Differences*. 7(49), 37-42.

Chung, S., Cheon, J., & Lee, K. (2015). Emotion and multimedia learning: An investigation of the effects of valence and arousal on different modalities in an instructional animation. *Instructional Science. 43*(5), 545-559. DOI: 10.1007/s11251-015-9352-y

Cheon, J., Chung, S., Song, J., & Kim, Y. (2015). An investigation of the effects of a graphical organizer in an online serious game on learning outcomes and attitudinal perceptions. *Interactive Learning Environment. 23*(4), 437-452. DOI: 10.1080/10494820.2013.788030

Cheon, J., Chung, S., & Lee, S. (2015). The roles of attitudinal perceptions and cognitive achievements in a serious game. *Journal of Educational Computing Research. 52*(1), 3-25. DOI: 10.1177/0735633114568851

Inan, F., Steven, C., Cheon, J., Ari, F., Kurucay, M., & Paniukov, D. (2015). The reverse modality effect: Examining student learning from an interactive computer-based Instruction. *British Journal of Educational Technology, 46, 123-130*. DOI: 10.1111/bjet.12129

Ari, F., Flores, R., Inan, F., Cheon, J., Crooks, S., Panyukov, D., & Kurucay, M. (2014) The effects of verbally redundant information on student learning: An instance of reverse redundancy. *Computers & Education, 76,* 199-204. DOI: 10.1016/j.compedu.2014.04.002.

Lim, S., Lee, Y., Cheon, J., Min, M., & Wang, W. (2014). User-Defined Consistency Sensitive Cache Invalidation Strategies for Wireless Data Access. *Computer Communications, 41,* 55-66. DOI: 10.1016/j.comcom.2013.12.006

Cheon, J., Chung, S., Crooks, S. M., Song, J., & Kim, J. (2014). An investigation of the effects of different types of activities during pauses in a segmented instructional animation. *Journal of Educational Technology and Society, 17*(2), 296-306.

Cheon, J., Crooks, S. M., & Chung, S. (2014). Does segmenting principle counteract modality principle in instructional animation? *British Journal of Educational Technology, 45*(1), 56-64. DOI: 10.1111/bjet.12021

Cheon, J., Lee, S., Smith, W. S., Song, J., & Kim, Y. (2013). The determination of children's knowledge of global lunar patterns from online essay using text mining analysis. *Research in Science Education, 43*(2), 667-686. DOI: 10.1007/s11165-012-9282-5

Cheon, J., & Grant, M. M. (2012). The effects of metaphorical interface on germane cognitive load in web-based instruction. *Educational Technology Research and Development, 60*(3), 399-420.

Cheon, J., Lee, S., Crooks, S. M., & Song, J. (2012). An investigation of mobile learning readiness in higher education based on theory of planned behavior. *Computers & Education, 59*(3), 1054-1064. DOI: 10.1016/j.compedu.2012.04.015

Crooks, S. M., Cheon, J., Inan, F., Ari, F., & Flores, R. (2012). Modality and Cueing in Multimedia Learning: Examining Cognitive and Perceptual Explanations for the Modality Effect. *Computers in Human Behavior, 28*(3), 1063-1071. DOI: 10.1016/j.chb.2012.01.010

Cheon, J., & Grant, M. M. (2012). Examining the relationships of different cognitive load types related to user interface in web-based instruction. *Journal of Interactive Learning Research, 23*(1), 27-55.

Cheon, J., Coward, F., Song, J., & Lim, S. (2012). Factors predicting pre-service teachers' adoption of web 2.0 technologies. *Research in the Schools, 19*(2), 17-29.

Smith, W. S., Cheon, J., Jabri, F., Reynolds, S., & Zebedi, A. (2012). Connecting children internationally for science instruction: Using the internet to support learning about lunar phases. *Educational Research and Reviews, 7*(25), 526-532. DOI: 10.5897/ERR12.006

Kim, S., Cheon, J., Han, S., & Kim, H. (2011). Examining differences of users' perceptions of multimedia content types in national online learning system. *The Asia-Pacific Education Researcher, 20*(3), 621-628.

Cheon, J., Crooks, S. M., Inan, F., Flores, R., & Ari, F. (2011). Exploring the Instructional Conditions for a Reverse Modality Effect in Multimedia Instruction. *Journal of Educational Multimedia and Hypermedia, 20*(2), 117-133.

Moberly, M. D., & Cheon, J. (2011). Enterprise Security. *Intellectual Asset Management Magazine, 45,* 66-72.

Cheon, J., Song, J., Jones, D. R., & Nam, K. (2010). Influencing pre-service teachers' intention to adopt web 2.0 services. *Journal of Digital Learning in Teacher Education*, *27*(2), 53-64.

Cheon, J., & Grant, M. M. (2009). Active listening: Web-based assessment tool for communication and active listening skill development. *Tech Trends, 53*(6), 24-32.

Cheon, J., & Grant, M. M. (2009). Are pretty interfaces worth the time? The effects of user interface types on Web-based instruction. *Journal of Interactive Learning Research, 20*(1), 5-33.

Moberly, M. D., & Cheon, J. (2009). Use intangible assets to weather the financial crisis. *Intellectual Asset Management Magazine, 33*. 14-18.

Grant, M. M., & Cheon, J. (2007). The value of using synchronous conferencing for instruction and students. *Journal of Interactive Online Learning, 6*(3), 211-226.

Conference Publications

Shin, S., Cheon, J., Dao, D., & Nguyen, D. N. (in press). QM course evaluation. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology.*

Shin, S., Cheon, J., Wang, J., & Crooks, S. (in press). Interactive whiteboards in the classroom: Then, now and beyond. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology.*

Jenkins, M., Casanova, R., Cheon, J. & Crooks, S., (2015). Sex and Gender-Based Medicine Online Multimedia Case-Based Learning. Journal of Women's Health, 24(4), 21-21.

Chung, S., Cheon, J., Diordieva, C., & Wang, J. (2015). The application of the segmenting principle: The effects of pause time and types in instructional animations. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2015*(1), 54-57

Cheon, J., Chung, S., & Crooks, S. M. (2014). Meaningful stimulus for a segmented instructional animation: Reflection versus Prediction. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2014*(2), 237-240

Chung, S., Lee, K & Cheon, J. (2014). Examining the role of emotion in public health education using multimedia. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2014*(1), 48-52

Phan, V., Cheon, J. & Jerbi, M. (2014). Personalization Principle in Multimedia Learning: Do Narrators' Accents Matter? In M. Searson & M. Ochoa (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2014* (pp. 2937-2939). Chesapeake, VA: AACE.

Chung, S., Cheon, J., & Crooks, S. M. (2013). How learners' valence and arousal influence learning outcomes in an instructional animation? *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2013*(1), 35-39

Phan V., & Cheon, J. (2013). Multimedia Presentation: The Impacts of Background Music and Sound Effects on Space Science Concept Learning. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2013*(1), 162-165

Case, E., Crooks, S. M., & Cheon, J. (2012). Linear vs. Spatial Discussion Formats for Online Courses. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2012*(1), 51-55.

Chung, S., Cheon, J., Lim, S., & Son, H. (2012). The interaction effect between emotional valence and arousal on online learning from a motivated cognition perspective. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2012*(1), 56-59.

Cheon, J., Crooks, S. M., Chung, S., & Lim, S. (2012). Does the segmenting principle counteract the modality principle in multimedia instruction? *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2012*(2), 225-229.

Cheon, J., Crooks, S., Chen, X., & Song, J. (2011). An investigation of mobile learning readiness and design considerations for higher education. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2011*(1), 43-49.

Paniukov, D., Cheon, J., & Crooks, S. (2011). Employing multimedia software to address common misconceptions in astronomy education: Recognizing lunar patterns and shapes from different vantage points on the earth. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2011*(2), 429-433.

Cheon, J., Crooks, S., Inan, F., Flores, R., & Ari, F. (2010). Reverse modality effects on spatial knowledge instruction: When reading is better than listening. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2010*(1), 13-16.

Chung, S., & Cheon, J. (2010). The effects of post organizers in game-based learning. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2010*(1), 17-20.

Han, N., Cheon, J., & Chung, S. (2010). The effects of two factors on asynchronous discussion in an online course: Types of discussion activities and discussion leaders. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2010*(1), 65-68.

Crooks, S., Inan, F., Cheon, J., Ari, F., & Flores, R., (2009). When text should be seen and not heard: An instance of the reverse modality effect in multimedia learning. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2009*(1), 91-93.

Cheon, J. & Grant, M. M. (2008). A cognitive load approach to metaphorical interface design: Reconsidering theoretical frameworks. *Proceedings of Society for Information Technology and Teacher Education International Conference, 2008*(1), 1054-1059.

Lee, Y., Cheon, J. & Key, S. (2008). Learners' perceptions of video games for second/foreign language learning. *Proceedings of Society for Information Technology and Teacher Education International Conference, 2008*(1), 1733-1738.

Cheon, J., & Grant, M. M. (2007). Do flashy interfaces help? Comparing learning efficiency of different interface types based on cognitive load theory. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2007*(1), 50-54.

Cheon, J., & Grant, M. M. (2006). Developing learning content markup language (LCML) for personalized instruction in the adaptive learning system. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2006*(1), 47-50.

Cheon, J., & Grant, M. M. (2005). Design of individualized instruction with learning objects using case-based reasoning. *Proceeding of the Annual Convention of the Association for Educational Communications and Technology, 2005*(1), 152-154.

Cheon, J., Lee, C., & Han, S. (2002). Development and implementation of web-based teaching-learning unit system. *Proceeding of the World conference on Educational Multimedia, Hypermedia & Telecommunications, 2002*(1), 297-299.

Cheon, J., Paek, J., Lee, C., & Han, S. (2002). Automated lesson planner system for ICT Education. *Proceeding of the International Conference on Computers in Education (ICCE)*, 485-489

Cheon, J., Paek, J., Lee, C., & Han, S. (2002). Effective analysis of on-line lesson planner system using ICT. *Proceeding of the international conference of Korea Society for Educational Technology, 2002*, 123-135.

Invited Presentation

Cheon, J. (2016, June) Let's program it. Summer STEM Camp, Texas Tech University.

Cheon, J. (2015, December). Creative software education with SNAP, Kyungsung University, South Korea.

Cheon, J. (2015, December). Creative software education, Kyungsung University, South Korea.

Cheon, J. (2015, December). Computational thinking and software education, Korea National University of Education, South Korea.

Cheon, J. (2014, December). American Education: Two sides of the same coin. Inha University. Incheon, South Korea.

Cheon, J., & Chung, S. (2013, June). Scratch: learning by programming. 4th Annual Conference of Middle School Math and Science Degree Program, Texas Tech University.

Cheon, J., & Crooks, S. (2013, April). Technology application in ultrasound curriculum, Texas Tech Health Sciences Center.

Cheon, J. (2013, April). Applying theory to practice: Instructional design and development for real clients. Educational Psychology Department, University of Connecticut, CT.

Cheon, J. (2012, April). Mobile learning ideas and options. Teaching, Learning & Professional Development Center, Texas Tech University.

Cheon, J. (2011, October). Mobile teaching and learning in Higher Education. Teaching, Learning & Professional Development Center, Texas Tech University.

Cheon, J., & Inan, F. (2010, March). How to facilitate online instruction. Education Graduate Student Organization, College of Education, Texas Tech University.

Cheon, J., & Han, N. (2010, March). Wiki for online collaborative learning. College of Education Research Conference, Texas Tech University.

Cheon, J. (2009, October). Journey to pedagogy 2.0: Google Apps to Second Life, College of Education Research Conference, Texas Tech University.

Crooks, S., Cheon, J., & Inan, F. (2009, August). Instructional design for health system, Covenant Health System. Lubbock, TX.

Conference Presentations

Yoon, S., Kim, N., Cheon, J., & Kim, D. (2016, October). Emerging research issues in instructional technology. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Las Vegas, NV.

Shin, S., Cheon, J., Dao, D., & Nguyen, D. N. (2016, October). QM course evaluation. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Las Vegas, NV.

Shin, S., Cheon, J., Wang, J., & Crooks, S. (2016, October). Interactive whiteboards in the classroom: Then, now and beyond. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Las Vegas, NV.

Kim, D., Cheon, J., Yoon, S., & Kim, N. (2016, October). Using data mining to analyze students' pre-class online learning in flipped classroom environment. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Las Vegas, NV.

Park, H., Griffin-Shirley, N., Ajuwon, P., Banda, D., Cheon, J., & Lee, J. (2016, August). Use of mobile applications for people who are visually impaired. World Congress on Special Needs Education Conference, Philadelphia, PA

Cheon, J., Han, S., Ryu, M., & Shin, S., (2016, August). Software creative camp for expanding computational thinking and design thinking. Case presented at the Scratch MIT Conference, Cambridge, MA.

Griffin-Shirley, N., Ajuwon, P. M., Banda, D., Cheon, J., Lee, J., & Park, H. (2016, August). Use of mobile applications for people who are visually impaired. Paper presented at the AER International Conference 2016: Connect, Collaborate, Achieve. Jacksonville, FL.

Chung, S., Cheon, J. (2016, April). How does emotional tone of contextual visual aids influence health-related online learning? Paper presented at the Annual Convention of the American Educational Research Association, Washington, DC.

Cheon, J., Crooks, S. M., Jenkins, M., Casanova, R., Song, M., & Chung, S. (2015, November). Online multimedia case-based learning system for SGBM (Sex and Gender-Based Medicine). Poster presented at the Annual Convention of the Association for Educational Communications and Technology, Indianapolis, IN.

Chung, S., Cheon, J., Diordieva, C., & Wang, J. (2015, November). The application of the segmenting principle: The effects of pause time and types in instructional animations. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Indianapolis, IN.

Cox, C. D., Zhang, Z., & Cheon, J. (2015, October). Use of an innovative mini-series movie to train preceptors: Does it work? Poster presented at the ACCP Global Conference on Clinical Pharmacy, San Francisco, CA.

Cox, C. D., Patterson, B., Cheon, J., Crooks, S., Lee, J., & Curtis J. (2015, July). Behind the number of a preceptor mini-series: A proven approach to preceptor development. Poster presented at the Annual Meeting of the American Association of College of Pharmacy, National Harbor, MD.

Dickson, K., Bogschutz, R. J., Cheon, J., & Crooks, S. (2015, April). Going online: Laying a foundation for interprofessional collaborative practice. Poster presented at the Annual Southern Group on Educational Affairs (SGEA) Meeting, Charlotte, NC.

Wang, J., & Cheon, J. (2015, March). Identifying The Relationships among Teachers' Perceptions and the Use of Interactive Whiteboard and Student's Learning Performance. Paper presented at the 26th International conference of the Society for Information Technology & Teacher Education, Las Vegas, NV.

Alzaharni, A., & Cheon, J. (2015, March). The Effects Of Instructors' Technological Pedagogical And Content Knowledge (TPACK) On Online Courses. Paper presented at the 26th International conference of the Society for Information Technology & Teacher Education, Las Vegas, NV.

Cheon, J., & Chung, S. (2014, December). Empowering the Segmenting Principle of Multimedia Learning: Meaningful Stimuli between Segments of Instructional Animations. Paper presented at the 2014 International Conference of Educational Technology. Seoul, South Korea.

Jenkins, M., Casanova, R., Masten, Y., Sleeper, R., Jones, B., Williams, S., Crooks, S., Cheon, J. (2014, November). Sex and Gender-based Medicine Curriculum Horizontal Integration and Interprofessional Educational Resources. Poster presented at the Annual meeting of MedEdPORTAL's iCollaborative, Digital Poster Gallery. https://www.mededportal.org/icollaborative/resource/3836

Jenkins, M., Casanova, R., Crooks, S., Cheon, J. (2014, November). Sex and Gender-Based Medicine Online Multimedia Case-Based Learning. Poster presented at AAMC (Association of American Medical Colleges) Annual Meeting: Learn, Serve, Lead 2014, Chicago, IL.

Chung, S., Lee, K & Cheon, J. (2014, November). Examining the role of emotion in public health education using multimedia. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Cheon, J., Chung, S., & Crooks, S. M. (2014, November). Meaningful stimulus for a segmented instructional animation: Reflection versus Prediction. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Phan V., & Cheon, J. (2014, March). Personalization Principle in Multimedia Learning: Do Narrators' Accents Matter? Paper presented at the international conference of the Society for Information Technology & Teacher Education, Jacksonville, FL.

Chung, S., Cheon, J., & Crooks, S. M. (2013, November). How learners' valence and arousal influence learning outcomes in an instructional animation? Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA. Featured Research Award, AECT.

Phan V., & Cheon, J. (2013, November). Multimedia Presentation: The Impacts of Background Music and Sound Effects on Space Science Concept Learning. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA.

Chung, S., & Cheon, J. (2013, October). Examining the effects of prediction intervention in segmented instructional animation. Paper presented at Texas Educational Intervention Research Collaborative, Texas Tech University, Lubbock, TX.

Phan, V., & Cheon, J. (2013, October). How does background music and sounds impact multimedia learning? Paper presented at Texas Educational Intervention Research Collaborative, Texas Tech University, Lubbock, TX.

Kim, J., Alalawi, R., Arentz, C., Arvandi. A., Blackwell, E., Campbell, S., Casanova, R., Cheon, J., Crooks. S. M., Howell, M., Lee, V., Mitchell, J., Nelius, T., Paxton, J., Peiris, V., Rhea, J., Smith, C., Williams, S., Taylor, P., & Tenner, T. (2013, September). Effectiveness of an institutional faculty development course and barriers to training/education of faculty for integration of ultrasound in medical education. Poster presented at Second World Congress Ultrasound in Medical Education, Columbia, SC.

Chung, S., Cheon, J., & Crooks, S. M. (2013, April). An Investigation of the Effects of Different Pause Types in Segmenting Principle. Paper presented at the Annual Convention of the American Educational Research Association, San Francisco, CA.

Chung, S., & Cheon, J. (2013, February). Examining the effects of emotional induction using video clips in computer-based instruction. Paper presented at Texas Educational Intervention Research Collaborative, Baylor University, Waco, TX.

Phan, V., & Cheon, J. (2013, February). Multimedia learning: The personalization principle and learners' English language nativeness. Paper presented at Texas Educational Intervention Research Collaborative, Baylor University, Waco, TX.

Cheon, J., Chung, S., & Hamman, D. (2012, November). Optimizing a mobile video tool for teacher training program: a pilot study in TechTeach. Paper presented at the Research Conference on Teacher Education, Center of Research, Evaluation and Advancement of Teacher Education, San Antonio, TX.

Case, E., Crooks, S. M., & Cheon, J. (2012, October). Linear vs. Spatial Discussion Formats for Online Courses. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Louisville, KY.

Chung, S., Cheon, J., Lim, S., & Son, H. (2012, October). The interaction effect between emotional valence and arousal on online learning from a motivated cognition perspective. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Louisville, KY.

Cheon, J., Crooks, S. M., Chung, S., & Lim, S. (2012, October). Does the segmenting principle counteract the modality principle in multimedia instruction? Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Louisville, KY.

Cheon, J., Crooks, S. M., Lim, S., & Chen, X. (2012, April). An investigation of mobile learning readiness in higher education. Paper presented at the Annual Convention of the American Educational Research Association, Vancouver, British Columbia, Canada. SIG-IT's Best Paper Award, AERA.

Cheon, J., Crooks, S., & Paniukov, D. (2011, November). Web-based simulation to discover global lunar patterns for children from around the world. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL. Outstanding innovative project to improve human performance - Design and Development Showcase, AECT.

Cheon, J., Crooks, S., Chen, X., & Song, J. (2011, November). An investigation of mobile learning readiness and design considerations for higher education. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Paniukov, D., Cheon, J., & Crooks, S. (2011, November). Employing multimedia software to address common misconceptions in astronomy education: Recognizing lunar patterns and shapes from different vantage points on the earth. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Han, N., & Cheon, J. (2011, November). The effects of facilitation strategies on students' participation and online discussions: Sample message and discussion criteria. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Inan, F., Crooks, S., Cheon, J., Ari, F., & Flores, R. (2011, November). Reverse modality effect: Examining student learning from a computer-based diagram. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Jacksonville, FL.

Chen, X., Cheon, J., Crooks, S. (2011, October). Students' perceptions of mobile learning with the iPhone. Paper presented at the Annual Convention of E-Learn 2011--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Honolulu, HI.

Chung, S., Cheon, J., & Son, H. (2011, April). Investigation of factors contributing to the success of digital game-based learning. Paper presented at the Annual Convention of the American Educational Research Association, New Orleans, LA.

Chung, S., Son, H., & Cheon, J. (2011, February). Contributors to the success of digital game-based learning: The sophistication of advance graphic organizers and the control of game Playing Time in a Serious Game. Paper presented at the Annual Convention of the Southwest Educational Research Association, San Antonio, TX.

Son, H., Chung, S., & Cheon, J. (2011, February). Young ESL children's L1 and L2 development: Parental belief, support, and difficulty. Paper presented at the Annual Convention of the Southwest Educational Research Association, San Antonio, TX.

Cheon, J., Crooks, S., Inan, F., Flores, R., & Ari, F. (2010, November). Reverse modality effects on spatial knowledge instruction: When reading is better than listening. Texas Educational Research Association, University of Texas at Austin.

Chung, S., & Cheon, J. (2010, November). Exploring the role of instructional organizers in digital game-based learning. Texas Educational Research Association, University of Texas at Austin.

Cheon, J., Crooks, S., Inan, F., Flores, R., & Ari, F. (2010, October). Reverse modality effects on spatial knowledge instruction: When reading is better than listening. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA. Featured Researcher Award, AECT.

Chung, S., & Cheon, J. (2010, October). The effects of post organizers in game-based learning. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA.

Han, N., Cheon, J., & Chung, S. (2010, October). The effects of two factors on asynchronous discussion in an online course: Types of discussion activities and discussion leaders. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA.

Cheon, J., Song, J., & Jones, D. (2010, April). Pre-service teachers' intention to adopt Web 2.0 technologies: Examining relationships from belief to behavioral expectation. Paper presented at the Annual Convention of the American Educational Research Association, Denver, CO.

Cheon, J., & Han, N. (2010, February). Online collaborative learning space in wiki. Paper presented at the Annual Conference on advancing Teaching and Learning, Lubbock, TX.

Harman, R., & Cheon, J. (2010, February). An exploratory comparison between Korean and U.S students' lunar knowledge through moon project. Paper presented at the Annual Convention of Southwest Educational Research Association, New Orleans, LA.

Crooks, S., Inan, F., Cheon, J., Ari, F., & Flores, R., (2009, October). When text should be seen and not heard: An instance of the reverse modality effect in multimedia learning. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Louisville, KY.

Lee, C. H., Han, S. K., Lee, S. H., Cheon, J., Seo, J. H. (2009, April). The effects of u-learning on learning performance, satisfaction and perceptions in Korea. Paper presented at the Annual Convention of the American Educational Research Association, San Diego, CA.

Grant, M. M., & Cheon, J. (2009, April). A potential role of user interface to support germane cognitive load in web-based instruction. Paper presented at the Annual Convention of the American Educational Research Association, San Diego, CA.

Cheon, J., & Grant, M. M. (2008, November). Learner's cognitive investment by structural cues in user interface: The Measurement of Germane Cognitive Load. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Orlando, FL.

Cheon, J., & Grant, M. M. (2008, November). The measurement of cognitive load types: Reconsidering theoretical frameworks. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Orlando, FL.

Cheon, J., & Grant, M. M. (2008, March). A cognitive load approach to metaphorical interface design: Reconsidering theoretical frameworks. Paper presented at the 19th International conference of the Society for Information Technology & Teacher Education, Las Vegas, NV.

Lee, Y., & Cheon, J. (2008, March). Learners' perceptions of video games for second/foreign language learning. Paper presented at the 19th International conference of the Society for Information Technology & Teacher Education, Las Vegas, NV.

Cheon, J., & Grant, M. M. (2007, October). Do flashy interfaces help? Comparing learning efficiency of different interface types based on cognitive load theory. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Anaheim, CA.

Grant, M. M., & Cheon, J. (2007, April). The value of using synchronous conferencing for instruction and students. Paper presented at the Annual Convention of the American Educational Research Association, Chicago, IL.

Cheon, J., & Grant, M. M. (2007, April). Are pretty interfaces worth the time?: The effects of user interface types on Web-based instruction. Paper presented at the Annual Convention of the American Educational Research Association, Chicago, IL.

Cheon, J., & Grant, M. M. (2006, October). Developing learning content markup language (LCML) for personalized instruction in the adaptive learning system. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Dallas, TX.

Cheon, J., & Grant, M. M. (2005, October). Design of individualized instruction with learning objects using case-based reasoning. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Orlando, FL.

Cheon, J., Lee, C., & Han, S. (2002, May). Development and implementation of web-based teaching-learning unit system. Paper presented at the AACE ED-MEDIA International Conference, Denver, CO.

Cheon, J., Lee, C., & Han, S. (2002, August). Effective analysis of on-line Lesson Planner System using ICT. Paper presented at the international conference of Korea Society for Educational Technology, Seoul, Korea.

Cheon, J., & Cho, J. (2000, January). Effective reuse method of educational materials through construction of NT server. Paper presented at the Annual Meeting of Korean Association of Information Education, Seoguipo, Korea.

Cheon, J., & Park, I. (1999, May). Converting CAI to WBI by using Visual Basic. Paper presented at the Annual Meeting of SchoolNet, Seoul, Korea.

HONORS

2016 Distance Education Best Practice Award, Division of Distance Learning in AECT (Association for Educational Communications and Technology)

2015 Outstanding innovative project to improve human performance and learning - Design and Development Showcase, AECT (Association for Educational Communications and Technology)

2013 Immersive Learning Award, Multimedia Production Division in AECT (Association for Educational Communications and Technology)

2013 Featured Research Award, Research and Theory Division in AECT (Association for Educational Communications and Technology)

2012 College of Education Distinguished Research Award, Texas Tech University

2012 Best Paper Award, SIG-IT, AERA (American Educational Research Association)

2011 Outstanding innovative project to improve human performance and learning - Design and Development Showcase, AECT (Association for Educational Communications and Technology)

2010 Featured Researcher Award, Research and Theory division in AECT (Association for Educational Communications and Technology)

2007 Second place in Student Research Forum, The University of Memphis

2006 Outstanding doctoral student, The University of Memphis

2005 - 2007 Phi Kappa Phi National Honor Society, The University of Memphis

2005 - 2008 Travel funding award, Student Government Association, The University of Memphis

2002 Distinguished teacher in area of informational education, Inchon Educational Administration Office, Korea

2000 Exemplary teacher, Inchon Educational Administration Office, Korea

National contest of educational software, Ministry of Education, Korea

2001 · Second place with "Small creature in the pond "(tool - HTML & FLASH)

2000 · First place with "Traditional manners" (tool - FLASH)

1999 · Third place with "The world of flat figure" (tool - Visual Basic & FLASH)

1998 · First place with "The world of quadrangles" (tool - Visual Basic & FLASH)

1997 · First place with "Playing with a figure" (tool - Visual Basic)

1996 · Second place with "Reading practice" (tool - Korean Authoring System)

GRANT & PROJECT

2016 Grant Title: Texas Rural and Ready Project (TRRP)
Sponsoring agency: Teacher Quality Partnership Grant, Department of Education
Responsibility: Co-PI, Pending ($ 11,699,193.00)

2016 Grant Title: Blended Learning Graduate Certificate Program
Sponsoring agency: Raise Your Hand Texas Foundation
Responsibility: Co-PI, **Awarded** ($ 118,200.00)

2016 Grant Title: Personalized Learning Video Case Library
Sponsoring agency: Raise Your Hand Texas Foundation
Responsibility: PI, **Awarded** ($ 118,200.00)

2015	Grant Title: IUSE: EHR: Engaged Student Learning: Empowering Students in West Texas to Thrive in the Internet of Things (IoT) World. Sponsoring agency: NSF IUSE: EHR Responsibility: Co-PI, Not Funded ($ 299,606.00)
2015	Grant Title: CW: Accelerating Computational Thinking through On-site STEM Workshops: Advocating Rural School Teachers in West Texas Sponsoring agency: NSF CW Responsibility: Co-PI, Not Funded ($ 249,747.00)
2014	Grant Title: Exploring Academic Pathways and Investigating Careers Sponsoring agency: Scholarship Catalyst Program (SCP), Texas Tech University Responsibility: Co-PI, **Awarded** ($ 3,180.00)
2014	Grant Title: STEM 4 STEM: Creating Client-Centered Undergraduate Mobile App Course Sponsoring agency: NSF IUSE (Improving Undergraduate STEM Education) Responsibility: Co-PI, Not Funded ($ 310,722.00)
2014	Grant Title: Exploring Academic Pathways and Investigating Careers in STEM (EPIC STEM) Sponsoring agency: NSF AISL (Advancing Informal STEM Learning) Responsibility: Co-PI, Not Funded ($ 213,584.00)
2013 - 2014	Grant Title: Training in Evidence-based Assessment of Abused Youth Sponsoring agency: Children's Justice Act of Texas Responsibility: Technology Director
2013 - Present	Project Title: Sex and Gender Specific Health (SGSH) Online Instruction Development Sponsoring agency: Texas Tech Health Sciences Center & Laura Bush Institute for Women's Heath Responsibility: Lead Instructional Designer
2012 - 2015	Project Title: Interprofessional Collaborative Practice Online Instruction Development Sponsoring agency: Texas Tech Health Sciences Center Responsibility: Lead Instructional Designer
2012	Grant Title: SAM RIOT Simulation Sponsoring agency: College of Education & School of Nursing, Texas Tech University Responsibility: PI, **Awarded** ($15,000.00)
2011	Grant Title: An Examination of Modality and Cueing Effects in Multimedia Learning Sponsoring agency: College of Education, Texas Tech University Responsibility: PI, **Awarded** ($2,804.00)
2010	Grant Title: Influencing Pre-service Teachers' Intention to adopt Web 2.0 Sponsoring agency: College of Education, Texas Tech University Responsibility: PI, **Awarded** ($500.00)
2009 - 2013	Grant Title: (MS)^2 Project (Middle School Math and Science) Sponsoring agency: Greater Texas Foundation Responsibility: Technology Director, **Awarded** ($1,500,000.00)
2009	Grant Title: MOON Project (More observations Of Nature Project) Sponsoring agency: College of Education, Texas Tech University Responsibility: Technology Director
2009	Consulting Title: Instructional System Design for Curriculum Specialists Sponsoring agency: Covenant Health System, Lubbock, TX Responsibility: Consultant

TEACHING EXPERIENCE

2008 - present	Texas Tech University EDIT 6325 Multimedia Production for Instruction EDIT 6317 Advanced Instructional Design Theory EDIT 5320 Educational Networks Application EDIT 5321 Computer Programming for Educator

EDIT 5322 Authoring Systems for Educational Software
EDIT 5390 Online Distance Learning
EDIT 5395 Administration of Instructional Technology
EDIT 5397 Practicum in Instructional Technology
EDIT 5000 Special Topic Instructional Technology: Mobile Learning
EDIT 3318 Applications of Technology in Education
EDIT 2318 Computing and Information Technology

2009-2011 Hanyang Cyber University, Seoul, Korea
CEC 022 Web-based Instruction Programming

2007-2008 University of Memphis
IDT 7070/8070 Theories and Models of Instructional Design (with Dr. Michael M. Grant)
IDT 7072/8072 Seminar of Web-based Instruction (with Dr. Michael M. Grant)

2000-2002 Gyeongin National University of Education, Incheon, Korea
Visual Basic Programming for Developing Educational Software

2000 Teacher Campus (Online teacher training center), Seoul, Korea
Linux Server System in School Environment

1993-2002 Incheon Education & Science Research Institute, Incheon, Korea
Using Microsoft Office
Technology integration in classroom
Developing Computer Assisted Instruction (CAI) with Visual Basic
Developing Web-Based Instruction (WBI) with Macromedia Flash

SERVICE

Director

2014-Present · Center of Innovation in E-Learning (CIEL), College of Education, Texas Tech University

College Committee Member

2014-2015 · Member: Distance Learning Advisory Committee, College of Education, Texas Tech University
2012-2013 · Co-chair: Technology Advisory Committee, College of Education, Texas Tech University
2011-2012 · Member: Technology Advisory Committee, College of Education, Texas Tech University

University Committee Member

2011 · University Learning Management System Vendor Evaluation Committee, Texas Tech University

2008 - 2011 **Co-director**
· Multimedia Lab, College of Education, Texas Tech University

Member of Professional Organization

· Association for Educational Communications and Technology
· American Educational Research Association
· Association for the Advancement of Computing in Education
· National Educational Computing Conference
· Korea Association of Information Education
· Korea Society for Educational Technology

Conference Website Developer

2010 - 2011 · Conf-IRM 2011 (The International Conference on Information Resources Management)

Reviewer

2012 - present · Computers and Education
· Educational Psychology
· Internet and Higher Education
2013 · SIG-IT Best paper, AERA(American Educational Research Association)
2012 - present · Design and Development Showcase, AECT (Association for the Advancement of Computing in Education)
2013 · Outstanding Journal Article in Research and Theory Division, AECT
2013 · Dean and Sybil McClusky Research Award in Research and Theory Division, AECT
2007 - present · Conference Proposal in Design and Development Division, AECT
2007 - present · Conference Proposal in in Research and Theory Division, AECT

Discussant & Facilitator

2008 - present · AECT (Association for the Advancement of Computing in Education) International Convention
2009 - present · Annual Meeting of AERA (American Educational Research Association)

Technical Consultant

2008 · AECT new website
2007 · AECT Teacher Education Division Blog
2006 · Conference newsletter team, AECT international Convention Newsletter

Exhibitor

2010 · Texas Computer Education Association, Austin, TX
2005 · National Education Computing Conference, Philadelphia, PA

Community Service

2012 · Summer SCRATCH Programing Camp, Lubbock ISD, TX
2008 - present · Lubbock Korean School, Lubbock, TX

Student Organization

2007 · President: Instructional Design & Technology Graduate Student Association at the University of Memphis
2006 · Secretary, Treasurer & Communication Officer: Instructional Design & Technology Graduate Student Association at the University of Memphis
2006 · President: Korean Student Association at the University of Memphis
1990 · President: Student Association at Gyeongin National University of Education, Korea

DEVELOPMENT WORKS

Websites

2015 · Sex and Gender Specific Health: http://sexandgenderhealth.org/
2014 · Sex and Gender Based Medication: http://texastechsgbm.org/
2013 · Evidence-Based Assessment of Abused Youth Project: http://childabusetraining.org
2012 · World MOON Project: http://worldmoonproject.org
2011 · International Conference on Information Resource Management
2010 · Instructional Technology program website: http://edit.educ.ttu.edu
2009 · Functional Hearing Inventory: http://functionalhearing.org
2009 · MS² (Middle School Math and Science) Project: http://ttumssquare.org
2008 · Knowledge Protection Strategies: http://kpstrat.com
2008 · Knowledge Protection Strategies Blog: http://kpstrat.com/blog
2008 · Korean Association of Memphis
2006 · Instructional Design and Technology program website: http://idt.memphis.edu
2006 · Memphis Striving Readers Project
2005 · Teacher's Technology Handbook and website: http://edit.educ.ttu.edu/site/jcheon/TTH

Online Instruction

2014 · Sex and Gender Based Medication Online instruction: http://texastechsgbm.org/menu.html
2013 · Healthcare Interprofessional Education Online Instruction: http://goo.gl/fsDiv
2012 · SAM RIOT Simulation (http://edit.educ.ttu.edu/site/suchung/sam_riot/SRS_prototype.html
2011 · Moon Simulation System for Global Lunar Patterns (http://worldmoonproject.org/simulation/
2008 · The nature and history of Public Relations (http://edit.educ.ttu.edu/site/jcheon/PR/)
2006 · Active listening training website: http://edit.educ.ttu.edu/site/jcheon/activelistening/
2005 · Introduction of XML: http://edit.educ.ttu.edu/site/jcheon/XML/
2005 · Dual Coding Theory: http://edit.educ.ttu.edu/site/jcheon/dual_coding/
2005 · Information Processing Theory: http://edit.educ.ttu.edu/site/jcheon/information_processing/

Manuals/Program Flayer

2008 · School Observation Manual training module (http://goo.gl/r7lz10
2007 · Observation of Computer Use, Center for Research in Educational Policy, Memphis
http://edit.educ.ttu.edu/site/jcheon/manual/OCU_manual.pdf
2006 · School Observation Manual, Center for Research in Educational Policy, Memphis
http://edit.educ.ttu.edu/site/jcheon/manual/SOM_manual.pdf
2005 · School Computer Use Observation, Center for Research in Educational Policy, Memphis
http://edit.educ.ttu.edu/site/jcheon/manual/SCU_manual.pdf
2005 · Digital Photography, Memphis: http://edit.educ.ttu.edu/site/jcheon/manual/Digital_Photography.pdf

Online Advertisement

2005 - 2007 · Instructional Design and Technology program advertisement in the Joint University Reception at AECT
2005 conference: http://edit.educ.ttu.edu/site/jcheon/ad/idt_aect_2005.swf
2006 conference: http://edit.educ.ttu.edu/site/jcheon/ad/idt_aect_2006.swf
2007 conference: http://edit.educ.ttu.edu/site/jcheon/ad/idt_aect_2007.swf
2006 · ADL Work-force Co-lab: http://edit.educ.ttu.edu/site/jcheon/ad/co-lab_presentation.swf
2006 · Instruction and Curriculum Leadership department: http://goo.gl/2ufLAQ
2006 · Summit, Annual meeting of faculty members at the College of Education: http://goo.gl/NdjQ9l
2006 · New Teacher Center at the University of Memphis: http://goo.gl/KWy7me

TECHNICAL SKILLS

Web design HTML 5, JavaScript, CSS 3, PHP, MySQL, XML,
All Adobe Products

CMSs/LMSs Drupal, Joomla, Moodle, Sakai, Blackboard

Server OS Windows Server, Mac OS X Server, Linux

Multimedia Video: iMovie, Window Movie Maker, Premier, Camtasia, Captivate
Graphic: Adobe Fireworks, Photoshop, Illustrator
Sound: CoolEdit Pro, Audacity

Publishing Adobe InDesign, PageMaker, Microsoft Publisher

Presentation Microsoft PowerPoint, Keynote, Adobe Flash, Articulate, iSpring