Youngjin Lee

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Area of Expertise

Educational Data Mining
Learning Analytics
Quantitative Data Analysis
Computational Thinking
Computer Simulations and Games for Learning

Computer Skills

R, Python, HTML5/CSS, Objective-C, ActionScript, NetLogo, Matlab, Mathematica, C/C++, Java, PHP, SmallTalk

Academic Degrees

University of Illinois at Urbana-Champaign, Ph.D. Educational Computing 2003

Seoul National University, M.S. Earth Science (focusing on astronomy) 1996

Seoul National University, B.S. Earth Science 1994

Academic Positions

University of North Texas, Associate Professor 2019–Present

University of Kansas, Associate Professor 2013–2019

University of Kansas, Assistant Professor 2007–2013

Massachusetts Institute of Technology, Research Associate 2005–2007

National Center for Supercomputing Applications, Senior Research Programmer 2004–2005

Beckman Institute of Advanced Science & Technology, Research Assistant 1999–2003

Electronics & Telecommunications Research Institute, Research Scientist 1995–1999

Publications

Peer-Reviewed Journals (28)[1]

Lee, Y. (submitted). Examining behaviors of MOOC students who are engaged but unsuccessful in learning.

[1] including journal impact factor available; *indicating co-authorship with students

Wang, X., **Lee, Y**, Lin, L., Mi, Y., & Yang, T. (submitted). Instructional design quality and sentiment analysis of reviews in the Class Central Top 20 MOOCs.

*A. G., & **Lee, Y.** (submitted). A confirmatory factor analysis on pleasurable learning experiences scale.

*A, G., & **Lee, Y.** (in press). College students' perceptions of pleasure in learning: Designing gameful educational gamification. *International Journal on E-Learning*.

*Gu, P. & **Lee, Y.** (2019). Promoting students' motivation and use of SRL strategies in the Web-based mathematics learning environment. *Journal of Educational Technology Systems*, *47*(3), 391–410.

Lee, Y. (2019). Estimating student ability and problem difficulty using Item Response Theory (IRT) and TrueSkill. *Information Discovery and Delivery*, *47*(2), 67–75. 5-year Impact factor in 2018: 7.462

Lee, Y. (2018). Using Self-Organizing Map (SOM) and clustering to investigate problem solving patterns in the Massive Open Online Course (MOOC): An exploratory study. *Journal of Educational Computing Research*, *57*(2), 471–490. 5-year impact factor in 2018: 1.542

Lee, Y. (2018). Effect of uninterrupted time-on-task on students' success in Massive Open Online Courses (MOOCs). *Computers in Human Behavior*, *86*, 174–180. 5-year impact factor in 2018: 4.964

Lee, Y. (2017). Modeling students' problem solving performance in the computer-based mathematics learning environment. *International Journal of Information and Learning Technology*, *34*(5), 385–395. Impact factor in 2018: 1.450

Lee, Y. (2016). Predicting students' problem solving performance using Support Vector Machine. *Journal of Data Science*, *14*, 231–244.

Sullivan, D. K., Goetz, J. R., Gibson, C. A., Mayo, M. S., Washburn, R. A., **Lee, Y.**, Ptomey, L. T., & Donnelly, J. E. (2016). A virtual reality intervention (Second Life) to improve weight maintenance: Rationale and design for an 18-month randomized trial. *Contemporary Clinical Trials*, *46*, 77–84. 5-year impact factor in 2018: 2.660

Lee, Y. (2015). Developing iPad-based physics simulations that can help people learn Newtonian physics concepts. *Journal of Computers in Mathematics and Science Teaching*, *34*(3), 299–325.

Lee, Y. (2015). Analyzing log files to predict students' problem solving performance in a computer-based physics tutor. *Educational Technology & Society*, *18*(2), 225–236. 5-year impact factor in 2018: 2.682

Lee, Y. (2012). Developing an efficient computational method that estimates the ability of students in a Web-based learning environment. *Computers & Education*, *58*(1), 579–589. 5-year impact factor in 2018: 5.902

Lee, Y. (2011). Utilizing formative assessments to guide student learning in an interactive learning environment. *Journal of Educational Technology Systems*, *39*(3), 245–260.

Lee, Y. (2011). Scratch: Multimedia programming environment for young gifted learners. *Gifted Child Today*, *34*(2), 26–31.

Macpherson, G. L., **Lee, Y.**, & Steeples, D. (2011). Group-examination improves learning for low-achieving students. *Journal of Geoscience Education*, *59*, 41–45.

Lee, Y. (2010). Empowering teachers to create educational software: A constructivist approach utilizing Etoys, pair programming and cognitive apprenticeship. *Computers & Education*, *56*(2), 527–538. 5-year impact factor in 2018: 5.902

Lee, Y. (2010). Developing a mobile physics learning environment based on physics misconception research and e-learning design principles. *Journal of Computers in Mathematics and Science Teaching*, *29*(3), 399–416.

Lee, Y. (2010). Developing computer programming concepts and skills via technology-enriched language-art projects: A case study. *Journal of Educational Multimedia and Hypermedia*, *19*(3), 307–326.

Lee, Y. (2010). Effects of instructional preparation strategies on problem solving in a Web-based learning environment. *Journal of Educational Computing Research*, *42*(4), 385–406. 5-year impact factor in 2018: 1.542

*Palazzo, D. J., **Lee, Y.**, Warnakulasooriya, R., & Pritchard, D. E. (2010). Patterns, correlates, and reduction of homework copying. *Physical Review Physics Education Research*, *6*, 010104, DOI: 10.1103/PhysRevSTPER.6.010104, Impact factor in 2018: 1.964

Pritchard, D. E., **Lee, Y.**, & Bao, L. (2008). Mathematical learning models that depend on prior knowledge and instructional strategies. *Physical Review Physics Education Research*, *4*, 010109, DOI: 10.1103/PhysRevSTPER.4.010109, Impact factor in 2018: 1.964

***Lee, Y.**, Palazzo, D. J., Warnakulasooriya, R., & Pritchard, D. E. (2008). Measuring student learning with Item Response Theory, *Physical Review Physics Education Research*, *4*, 010102, DOI: 10.1103/PhysRevSTPER.4.010102, Impact factor in 2018: 1.964

Lee, Y. (2005). VisSearch: A collaborative Web searching environment. *Computers & Education*, *44*(4), 423–439. 5-year impact factor in 2018: 5.902

Lee, Y. (2004). Creating a concept map of your Web searches: A design rationale and Web-enabled application. *The Journal of Computer Assisted Learning*, *20*, 103–113. Impact factor in 2018: 2.451

Lee. Y. (2004). The effect of creating external representations on the efficiency of Web searching. *Interactive Learning Environments*, *12*(3), 227–250. Impact factor in 2018: 1.929

Peer-Reviewed Book Chapters (2)

*Hsu, Y., Meyen, E., & **Lee, Y.** (2018). Student-centered virtual learning environments in higher education. In M. Boboc & S. Koc (Eds.), *Understanding Emotional Analytics for Student Engagement: An Instructional Visual Design Perspective* (pp. 70–102). Hershey, PA: IGI Global

Lee, Y. (2005). Knowledge visualization and information visualization-Search for synergies. In S.-O. Tergan & T. Keller (Eds.), *Facilitating Web Search with Visualization and Data Mining Techniques* (pp. 326–342). Berlin, Germany: Springer-Verlag.

Peer-Reviewed Conference Presentations (34)

Lee, Y. (2019). *TrueSkill: An online machine learning algorithm that can efficiently estimate student ability in MOOCs.* Paper presented at the Association for Educational Communications and Technology annual meeting, Las Vegas, NV.

Lee, Y. (2017). *Clustering MOOC students using Self-Organizing Map (SOM)*. Paper presented at the Association for Educational Communications and Technology annual meeting, Jacksonville, FL.

*Gu, P. & **Lee, Y.** (2017). *Promoting students' motivation and use of SRL strategies in online mathematics learning*. Paper presented at the Association for Educational Communications and Technology annual meeting, Jacksonville, FL.

Lee, Y. (2017). *An investigation on the learning behaviors of students enrolled in a large-scale MOOC*. Paper presented at the American Educational Research Association annual meeting, San Antonio, TX.

*A, G., & **Lee, Y.** (2017). *Consequential factors in education gamification: An instrument for studying pleasurability in learning*. Paper presented at the American Educational Research Association annual meeting, San Antonio, TX.

Lee, Y. (2016). *Understanding student learning in MOOC: A data mining approach*. Paper presented at the Association for Educational Communications and Technology annual meeting, Las Vegas, NV.

*Hsu, K.-C., & **Lee, Y.** (2016). *Social gamification of e-learning for science education outreach*. Paper presented at the Association for Educational Communications and Technology annual meeting, Las Vegas, NV.

Lee, Y. (2016). *Estimating students' problem solving performance in a Web-based learning environment: A data mining approach*. Paper presented at the American Educational Research Association annual meeting, Washington DC.

Lee, Y., Sullivan, D., & Donnelly, J. (2015). *Developing an automated data collection mechanism in Second Life*. Paper presented at the Association for Educational Communications and Technology annual meeting, Indianapolis, IN.

*Hsu, K., & **Lee, Y.** (2015). *Social gamification in multimedia instruction to advance glacier science for students grades K-4.* Paper presented at the E-Learn, Kona, HI.

Lee, Y. (2014). *Predictive learning analytics in action: Estimating students' problem solving performance from log files of a computer-based physics tutor*. Paper presented at the Association for Educational Communications and Technology annual meeting, Jacksonville, FL.

Lee, Y. (2014). *Building a predictive model of problem solving performance of students using a computer-based physics tutor*. Paper presented at the American Educational Research Association annual meeting, Philadelphia, PA.

Lee, Y. (2013). *Developing iPad-based physics simulation games that can help students learn force and motion concepts*. Paper presented at the Extended Joint International Symposium among Seoul National University, Hokkaido University, and National Taiwan Normal University, Seoul, South Korea.

Lee, Y. (2013). *iSimPhysics: iPad games that can help students learn Newtonian physics concepts*. Paper presented at the Association for Educational Communications and Technology annual meeting, Anaheim, CA.

Lee, Y. (2012). *Developing game-like computer simulation games running on iPad that can teach difficult physics concepts*. Paper presented at the Association for Educational Communications and Technology, Louisville, KY.

*Sharon, G., & **Lee, Y.** (2012). *Pre-service teachers and technology: Authentic activities in a cognitive apprenticeship framework*. Paper presented at the World Conference on Educational Media and Technology, Denver, CO.

***Lee, Y.**, Palazzo, D. J., & Pritchard, D. E. (2011). *Comparing an academic dishonesty survey with reality*. Paper presented at the American Association of Physics Teachers Annual Meeting, Omaha, NE.

*Pritchard, D. E., Palazzo, D. J., **Lee, Y.** & Warnakulasooriya, R. (2011). *Patterns, consequences, and reduction of homework copying*. Paper presented at the American Association of Physics Teachers Annual Meeting, Omaha, NE.

Lee, Y. (2011). *Empowering teachers to create education software meeting their own instructional needs*. Paper presented at the Association for Educational Communications and Technology, New Orleans, LA.

Lee, Y. (2010). *Learning physics on the go: From podcast to computer simulation*. Paper presented at the International Society for Technology in Education Conference, Denver, CO.

Lee, Y., Bao, L., & Pritchard, D. E. (2009). *Modeling how pre/post gain depends on prior knowledge*. Paper presented at the American Association of Physics Teachers Annual Meeting, Ann Arbor, MI.

Lee, Y. (2009). *Constructionist learning technology helps a young child learn computer programming*. Paper presented at the Educational Multimedia, Hypermedia and Telecommunications 2009, Honolulu, HI.

Lee, Y., & Pritchard, D. E. (2009). *Effects of instructional preparations on the problem solving in a Web-based physics learning environment*. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

*Pritchard, D. E., Palazzo, D. J., & **Lee, Y.** (2009). *Copying online homework and declining student performance*. Paper presented at the American Association of Physics Teachers Annual Meeting, Ann Arbor, MI.

Lee, Y., & Pritchard, D. E. (2008). *Scaffold Student Learning in a Web-based Tutoring Environment*. Paper presented at the American Educational Research Association Annual Meeting, New York, NY.

*Pritchard, D. E., Palazzo, D. J., **Lee, Y.** & Warnakulasooriya, R. (2008). *Patterns, consequences, and reduction of homework copying*. Paper presented at the American Association of Physics Teachers Annual Meeting, Edmonton, Canada.

Pritchard, D. E., **Lee, Y.**, & Bao, L. (2007). *How prior knowledge affects learning: Common leaning theories lead to different learning models*. Paper presented at the American Association of Physics Teachers Annual Meeting, Greensboro, NC.

*Warnakulasooriya, R., **Lee, Y.**, Palazzo, D. J., & Pritchard, D. E. (2006). *Expert-novice studies using a web-based Socratic tutor*. Paper presented at the American Association of Physics Teachers winter meeting, Anchorage, AK.

Lee, Y. & Bajcsy, P. (2005). *An information gathering system for medical image inspection*. Paper presented at the Medical Imaging 2005, San Diego, CA.

Lee, Y. & Levin, J. (2004). *Facilitating Web searches for open-ended questions with a concept mapping technique*. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

Lee, Y., & Levin, J. (2003). *Can visual representations improve efficiency of Web searching?* Paper presented at the NECC 2003, Seattle, WA.

Kauwell, D. A., Levin, J., **Lee, Y.**, & Yu, H. (2000). *From square-riggers to the Internet, the search for information*. Paper presented at the ACM Hypertext 2000. San Antonio, TX.

Kauwell, D. A., Levin, J., **Lee, Y.**, Yu, H. & Schiff, D. (2000). *Learning amidst a sea of information in the new millennium*. Paper presented at the World Conference on Educational Media and Technology. Montreal, Canada.

Kauwell, D. A., Levin, J., Yu, H. & **Lee, Y.** (2000). *VisIt: An advance in the location, analysis and archiving of Web information*. Paper presented at the WebNet. San Antonio, TX.

Technical Report

Lee, Y., & P. Bajcsy. (2004). *Software Tools for Recording Image Inspection Processes*, NCSA-ALG-04-0006.

Grants

Funded External Grants (Tatalling $11,161,006)

Donnelly, J., Gibson, C., Goetz, J., **Lee, Y.**, Mayo, M., Sullivan, D., & Washburn, R. (2012–2016). A virtual reality intervention (Second Life) to improve weight management, National Institute of Health, $3,676,028 (Co-Principal Investigator)

Basham, J., Deshler, D., East, W., Greer, D., Lee, J., **Lee, Y.**, Meyen, E., Rose, D., & Smith, S. (2011–2015). Center on online learning and students with disabilities. U.S. Department of Education, $7,484,978 (Co-Principal Investigator)

Funded Intenal Grants (Totalling $37,324)

Lee, Y. (2018). Using IRT and TrueSkill to estimate ability of students solving problems in an e-learning environment. School of Education Research Grant, $4,592 (Principal Investigator)

Lee, Y. (2016). Assessing usefulness of MOOCs: A data mining approach. School of Education Research Grant, $9,020 (Principal Investigator)

Lee, Y. (2013). Developing a prototype of interactive physics tutorials running on iPad. School of Education Research Grant, $8,125 (Principal Investigator)

Lee, Y. (2011). Estimating students' problem solving performance in a computerized learning environment: A statistical modeling approach. School of Education Research Grant, $7,587 (Principal Investigator)

Lee, Y. (2008). Developing prototypes of scaffolded virtual experiments for Newtonian physics. The University of Kansas, New Faculty General Research Fund, $8,000 (Principal Investigator)

Not-fudned External Grants

Williams, A., **Lee, Y.**, Luo, B., & Saiedian, H. (2018). STEM+C: KUEST for computing: Culturally responsive computational thinking and computing for urban students and teachers, National Science Foundation, $3,787,344

Lee, Y., Meyen, E., Mellard, D., Poggio, J., & Zhao, Y. (2017). An exploratory study of cultural differences among international and U.S. postsecondary learners to course features, visual displays and self-regulated behaviors in online instruction. Department of Education, $1,388,210

Lee, Y. (2013). Developing tablet-based physics simulation games that can motivate and facilitate middle school students' learning of Newtonian physics concepts, National Science Foundation, $449,722

Lee, Y. (2012). Utilizing physics simulation games running on tablet computers to facilitate students' inquiry learning about Newtonian physics concepts, Spencer Foundation, $39,963

Lee, Y. (2009). Developing assessment-based interactive physics tutorials to construct students' understanding of Newtonian physics concepts. National Science Foundation, $449,920

Lee, Y. (2008). Developing scaffolded virtual experiments to facilitate student learning of Newtonian physics concepts for exploratory project. National Science Foundation, $449,231

Instructional Activities

Courses Developed

LTEC 6514 - Seminar on Advanced Research Topics in Learning Technologies & Information Sciences:
The first learning analytics course developed for advanced doctoral students
ELPS 811/871 - Constructivist Learning Technology
ELPS 818 - Games & Simulations for Learning
ELPS 998 - Interactive Courseware Development
ELPS 712/810 - Instructional Media Development
ELPS 302 - Educational Technology in Middle/Secondary Education
ELPS 301 - Educational Technology in Elementary/Middle Education

Course under development

LTEC 5702 - Applications of Artificial Intelligence (AI) in Learning Analytics (LA):
The second learning analytics course that will be developed for the new AI track in the master's degree program

Courses Taught

LTEC 6480/6800: Dissertation Seminar
LTEC 5510: Technology-Based Learning Environments
ELPS 998: Critical Readings in Educational Technology
ELPS 896: Siminar in: Theory of Educational Technology

Teaching Award

Bob Frederick Award, University of Kansas 2012

Course Evaluations by Semester

Fall 2019[2]

Course Name	Enrolled	Response	Median	CEI
LTEC 6514 001: Seminar on Advanced Research Topics in LT & IS	6	2	2.9	6.8
LTEC 6514 040: Seminar on Advanced Research Topics in LT & IS	8	6	4.3	6.6

Summer 2019

Course Name	Enrolled	Response	Mean
ELPS 998: Critical Readings in Educational Technology	5	3	4.67

Spring 2019

Course Name	Enrolled	Response	Mean
ELPS 811: Constructivist Learning Technology	10	8	4.26
ELPS 896: Seminar in: Theory of Educational Technology	1	1	5.0
ELPS 897: Independent Study	3	N/A	N/A
ELPS 999: Doctoral Dissertation	3	N/A	N/A

Fall 2018

Course Name	Enrolled	Response	Mean
ELPS 712: Instructional Media Development	10	10	4.56
ELPS 998: Interactive Courseware Development	3	3	4.56
ELPS 820: Practicum in Educational Technology	1	N/A	N/A
ELPS 897: Independent Study	1	N/A	N/A
ELPS 999: Doctoral Dissertation	1	N/A	N/A

Spring 2018

Course Name	Enrolled	Response	Mean
ELPS 811: Constructivist Learning Technology	6	6	5.0
ELPS 897: Independent Study	1	N/A	N/A
ELPS 999: Doctoral Dissertation	1	N/A	N/A

[2]LTEC 6514 is a new course on learning analytics I developed in summer 2019. Due to small enrollment size, it was offered as a face-to-face course to residential PhD students (LTEC 6514 001, N = 6), and as an online course to distribute PhD students (LTEC 6514 040, N = 8) at the same time. In order to accommodate two different groups of students, the lecture and in-class activities for residential students were broadcast to distributed students through Zoom. The SPOT score of face-to-face section looks worse because only 2 students responded.

Fall 2017

Course Name	Enrolled	Response	Mean
ELPS 712: Instructional Media Development	12	12	4.86
ELPS 998: Interactive Courseware Development	8	8	4.93
ELPS 897: Independent Study	4	N/A	N/A
ELPS 999: Doctoral Dissertation	1	N/A	N/A

Summer 2017

Course Name	Enrolled	Response	Mean
ELPS 811: Constructivist Learning Technology	13	10	4.18
ELPS 999: Doctoral Dissertation	1	N/A	N/A

Spring 2017

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	23	6	4.61
ELPS 811: Constructivist Learning Technology	15	13	4.75
ELPS 999: Doctoral Dissertation	1	N/A	N/A

Fall 2016

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	22	18	3.67
ELPS 712: Instructional Media Development	10	10	4.74
ELPS 897: Independent Study	1	N/A	N/A
ELPS 999: Doctoral Dissertation	3	N/A	N/A

Summer 2016

Course Name	Enrolled	Response	Mean
ELPS 811: Constructivist Learning Technology	24	14	4.39
ELPS 999: Doctoral Dissertation	4	N/A	N/A

Spring 2016

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	21	21	4.56
ELPS 811: Constructivist Learning Technology	26	15	4.18
ELPS 999: Doctoral Dissertation	4	N/A	N/A

Fall 2015

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	25	24	4.42
ELPS 810 23871: Educational Media Development	15	10	4.4
ELPS 810 33080: Educational Media Development	10	5	3.6
ELPS 820: Practicum in Educational Technology	1	N/A	N/A
ELPS 897: Independent Study	1	N/A	N/A
ELPS 999: Doctoral Dissertation	3	N/A	N/A

Summer 2015

Course Name	Enrolled	Response	Mean
ELPS 999: Doctoral Dissertation	6	N/A	N/A

Spring 2015

Course Name	Enrolled	Response	Mean
ELPS 999: Doctoral Dissertation	5	N/A	N/A

Fall 2014

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	22	21	4.78
ELPS 810: Educational Media Development	20	19	4.81
ELPS 820: Practicum in Educational Technology	1	N/A	N/A
ELPS 897: Independent Study	4	N/A	N/A
ELPS 999: Doctoral Dissertation	5	N/A	N/A

Summer 2014

Course Name	Enrolled	Response	Mean
ELPS 810: Educational Media Development	13	13	4.54
ELPS 999: Doctoral Dissertation	3	N/A	N/A

Spring 2014

Course Name	Enrolled	Response	Mean
ELPS 301: EdTech in Elementary/Middle Education	22	21	4.58
ELPS 810: Educational Media Development	10	9	4.91
ELPS 820: Practicum in Educational Technology	1	N/A	N/A
ELPS 999: Doctoral Dissertation	3	N/A	N/A

Graduate Students Advised

Completed PhD/EdD committees (33)

As a major professor and dissertation chair:

1. Peidi Gu, Educational Technology PhD, 2018
2. Venessa Schott, Educational Technology (focusing on Nursing Education) PhD, 2018
3. Susan Thies, Higher Education (focusing on Educational Technology) EdD, 2017
4. Gulinna A, Educational Technology PhD, 2016
5. Jared Comfort, Higher Education (focusing on Educational Technology) EdD, 2016
6. Kuang-Chen Hsu, Educational Technology PhD, 2016
7. Kim Tankel, Educational Technology (focusing on Nursing Education) PhD, 2015
8. Hsin-Han Yu, Educational Technology PhD, 2015
9. Sharon Gan, Educational Technology PhD, 2014
10. Chi-Hsun Chiu, Educational Technology PhD, 2013
11. Edward Wilson, Educational Technology PhD, 2012
12. Randi Sereres, Educational Technology PhD, 2011
13. Yulin Chen, Educational Technology PhD, 2010

As a committee member:

1. Charlse Woods, Learning Technologies PhD, 2020
2. Alison Crane, Educational Technology PhD, 2018
3. Tammy Fry, Educational Technology PhD, 2018
4. Bria Klotz, Curriculum & Instruction PhD, 2017
5. Ryan Olesh, Educational Technology PhD, 2016
6. Piper Wentz, Educational Technology PhD, 2016
7. Chenglin Wu, Curriculum & Instruction PhD, 2016
8. Data Atwood-Blaine, Curriculum & Instruction PhD, 2015
9. Linda McGurn, Curriculum & Instruction PhD, 2014
10. Deborah Taylor, Educational Technology PhD, 2014
11. Ahmed Fagehi, Educational Technology PhD, 2013
12. Bobby Nichols, Curriculum & Instruction PhD, 2013
13. Jennifer Schmitt, Educational Technology PhD, 2013
14. Hsin-Lin Lu, Educatoinal Technology PhD, 2012
15. Khaled Alshehr, Educational Technology PhD, 2010
16. Mansour Al Ghafli, Educational Technology PhD, 2010
17. Khalid Moukali, Educational Technology PhD, 2010
18. Jie Chen, Educational Psychology PhD, 2009
19. Jeehwan Yoon, Curriculum & Instruction PhD, 2009
20. Charlene Hu, Educational Technology PhD, 2008

Current PhD Committees

As a major professor:

1. Jennie Johnson, Learning Technologies PhD, will defend the proposal in 2020

2. Erik Wright, Learning Technologies PhD, will defend the portfolio in 2020
3. Amy Collinsworth, Learning Technologies PhD, started in 2019
4. Amy Goodman, Learning Technologies PhD, started in 2019
5. Stephanie Tubby, Learning Technologies PhD, started in 2019

As a committee member:

1. Kristi Larson, Learning Technogies PhD, will defend the portfolio in 2020
2. Rick Woods, Learning Technologies PhD, will defend the portfolio in 2020

Service

University Service

Year	Organization	Position
2009 - 2019	Research Computing Liaison	Member
2013 - 2016	eLearning Design Lab Council of Investigators	Chair

College Service

Year	Organization	Position
2019 - Present	Personnel Affairs Committee and RPTC	Member
2017 - 2019	Edwards Campus Educational Technology Program Working Group	Chair
2011 - 2019	Teacher Education Committee	Member
2014 - 2017	Technology Committee	Chair
2015 - 2016	Classroom Design Group	Member
2012 - 2014	Technology Committee	Member
2009 - 2013	Undergraduate Committee	Member
2009 - 2010	Teacher Education Curriculum Redesign Streeing Committee	Member
2008 - 2009	Technology Committee	Member
2007 - 2009	Center for Psychoeducational Services Advisory Council	Member

Department Service

Year	Organization	Position
2019 - Present	Scholarship and Awards Committee	Member
2017 - 2019	Educational Technology MSE Program	Coordinator
2016 - 2019	Personnel Committee	Member
2015 - 2017	Shorelight Master's Accelerator Program	Member
2013 - 2016	Edwards Campus Educational Technology Program Working Group	Chair
2013 - 2015	Educational Technology Lecturer Search Committee	Chair
2007 - 2014	Awards Committee	Member

Professional Service

Journal Manuscript Reviews

Year	Journal	Role
2020 - Present	Smart Learning Environments	Reviewer
2017 - Present	IEEE Transactions on Learning Technologies	Reviewer
2014 - Present	Journal of Educational Technology & Society	Reviewer
2012 - Present	Journal of Educational Psychology	Reviewer
2011 - Present	Journal of Computer Assisted Learning	Reviewer
2010 - Present	Computers & Education	Reviewer
2009 - Present	Journal of Educational Computing Research	Reviewer

Conference Program Commmittee

Year	Confernece	Role
2017 - Present	International Conference on Educational Data Mining (EDM)	Member

Conference Proposal Reviews

Year	Confernece	Role
2017 - Present	International Conference on Educational Data Mining (EDM)	Reviewer
2011 - Present	American Educational Research Association (AERA)	Reviewer
2011 - Present	Association of Educational Communications and Technology (AECT)	Reviewer

External Grant Proposal Review

Year	Organization	Role
2018	National Science Foundation (NSF)	Reviewer

Membership in Professional Organizations

Association for Educational Communications and Technology (AECT)
American Educational Research Association (AERA)
International Educational Data Mining Society (IEDMS)
Association for Computing Machinery (ACM)

Honors and Awards

Leading Light Award, University of Kansas 2013

Award given to 40 faculty who is a principal or co-principle investigator on an externally funded grant of $1,000,000 or more

Bob Frederick Award, University of Kansas 2012

Award honoring the faculty's devotion to student learning

Research Laboratory of Electronics Fellowship, Massachusetts Institute of Technology 2006

Physics Department Research Fellowship, Massachusetts Institute of Technology 2005