



## CURRICULUM VITAE

### *CV SECTION 1: Employment History/Awards*

#### NAME

Folkestad, James E

#### ADDRESS

244 Education  
Education Building

#### PHONE

(970) 491-7823

#### EDUCATION

1996 Ph D, Texas A&M University  
1993 MA, California State University  
1989 BA, University of Colorado

#### ACADEMIC POSITIONS

March 2016 - Present Director of the Center for the Analytics of Learning and Teaching, Colorado State University.  
August 2007 - Present Associate Professor, Colorado State University, School of Education.  
December 2012 - August 2013 Associate Director, School of Education, Colorado State University.  
August 2004 - July 2007 Associate Professor, Colorado State University, Construction Management.  
August 1997 - July 2004 Assistant Professor, Colorado State University, Department of Manufacturing Technology and Construction Management.

#### SABBATICALS

(2012) The Institute for Learning and Teaching, Development of a Tutoring at CSU web portal. Learning through the Drupal community. Website address: [tutoring.colostate.edu](http://tutoring.colostate.edu)

#### OTHER POSITIONS

August 2006 - July 2007 Associate Director, Texas Workforce Commission.  
August 1995 - July 1996 Research Associate, Texas A&M University, Texas Literacy Resource Center (TLRC).  
(March 2016 - Present) Director, University

#### CURRENT JOB DESCRIPTION

2014    55 % Teaching    30 % Research/Creative Activity    15 % Service/Outreach

2013     55    % Teaching    30    % Research/Creative Activity    15    % Service/Outreach

## **HONORS AND AWARDS**

- 2015, 2015 International Serious Play Award (Gold Winners Award - Highest Honor), Serious Play Association
- 2014, Nominated - 2014 SOE scholarship award, School of Education
- 2014, Nominated - 2014-15 Outstanding Teacher Award, College of Health and Human Sciences
- 2014, TILT Senior Fellow, The Institute for Learning and Teaching
- 2013, TILT Teaching Fellow, The Institute for Learning and Teaching
- 2010, Best Poster Award for Dissertation (Francois Jacobs), Associate Schools of Construction
- 2006, Outstanding Industrial Technology Professor Award, National Association of Industrial Technology (NAIT)
- 2000, Outstanding Conceptual Manuscript of the Journal of Industrial Teacher Education, Association for Career and Technical Education

## ***CV SECTION 2: Publications/Scholarly Record***

### **PUBLISHED WORKS**

#### **Refereed Journal Articles**

- Martey, R. M., Stromer-Galley, J., Shaw, A., Saulnier, T., McLaren, E., Rhodes, M. G., Folkestad, J. E., Taylor, S., Kenski, K., Clegg, B. A., Strzalkowski, T. (2016). Balancing play and formal training in the design of serious games. *Games and Culture*.
- Shaw, A., Kenski, K., Stromer-Galley, J., Martey, R., Lewis, J., Folkestad, J. E., Strzalkowski, T. (2016). Serious Efforts at Bias Reduction. *Journal of Media Psychology*. 450 W. Pitkin, Room 209
- Shaw, A., Kenski, K., Stromer-Galley, J., Martey, R. M., Clegg, B. A., Lewis, J., Folkestad, J. E., Strzalkowski, T. (in press). Serious efforts at bias reduction: The effects of digital games and avatar customization on three cognitive biases. *Journal of Media Psychology*.
- Folkestad, J. E., Glick, S., Banning, J. (2016). Construction Management Dissertation Abstracts: A Bounded Qualitative Meta-Study. *International Journal of Construction Education and Research*, 1-12.
- Glick, S. A., Folkestad, J. E., Banning, J. H. (2016). Construction Management Dissertation Manuscripts: A Bounded Qualitative Meta-Study. *International Journal of Construction Education and Research*. [www.ascjournal.ascweb.org/](http://www.ascjournal.ascweb.org/)
- Martey, R., Stromer-Galley, J., Clegg, B., Folkestad, J. E. Testing the Power of Game Lessons: The Effects of Art and Narrative on Reducing Cognitive Bias. *Journal of Applied Communication Research (H-index 22)*.
- Shaw, A., Kenski, K., Stromer-Galley, J., Martey, R., Clegg, B., Lewis, J., Folkestad, J. E., Strzalkowski, T. (in press). Serious Efforts at Bias Reduction: The Effects of Digital Games and Avatar Customization on Three Cognitive Biases. *Journal of Media Psychology (impact factor 1.92)*.

- McKernan, B., Martey, R. M., Stromer-Galley, J., Kenski, K., Folkestad, J. E. (2015). We Don't Need No Stinking Badges: The Impact of Reward Features and Feeling Rewarded in Educational Games. *Computers in Human Behavior (Impact factor 3.047)*. [www.sciencedirect.com/science/article/pii/S0747563214007456](http://www.sciencedirect.com/science/article/pii/S0747563214007456)
- Martey, R., Kenski, K., Folkestad, J. E., Shaw, A., Stromer-Galley, J., Clegg, B., Folkestad, J., Saulnier, T., Strzalkowski, T. (in press). Testing the Power of Game Lessons: The Effects of Art and Narrative on Reducing Cognitive Bias. *Journal of Applied Communication Research (H-index 22)*.
- Martey, R., Kenski, K., Folkestad, J. E. (2014). Measuring Game Engagement Multiple Methods and Construct Complexity. *Simulation & Gaming*, 45, 528-547. [sag.sagepub.com/content/early/2014/10/15/1046878114553575.abstract](http://sag.sagepub.com/content/early/2014/10/15/1046878114553575.abstract)
- Hussin, A., Folkestad, J. E., Makela, C. J. (2014). Experiences of students with visual impairments in adoption of digital talking textbooks: An interpretative phenomenological analysis. *Journal on School Educational Technology (i-manager)*, 9(2), 8-18.
- Hayne, S. C., Folkestad, J. E. Following the Money: A Case Study of Funded Research Social Networks. *Journal Of Management Information Systems*.
- Folkestad, J. E., De Miranda, M. A. (2001). Impact of screen-capture based instruction on student comprehension of computer aided design (CAD) software principles. *Journal of Industrial Technology*, 18(1), 2-7.
- DeMiranda, M. A., Folkestad, J. E. (2000). Linking cognitive science theory and technology education practice: A powerful connection not fully realized. *Journal of Industrial and Technical Teacher Educators*, 37(4), 5-23.
- Folkestad, J. E., Senior, B. A., De Miranda, M. A. (2000). Service-Learning: Implications for technology studies. *The Journal of Technology Studies*, 28(2), 37-43.

## **Textbooks**

- Madsen, D. A., Folkestad, J. E., Schertz, K., Shumaker, T., Stark, C., Trupin, L. (2001). *Engineering Drawing and Design*. Delmar Publishing.

## **Refereed Chapters in Books**

- Robinson, D. H., Folkestad, J. E. (2015). Teaching statistics through team-based learning. In M. C. Smith & N. Defrates-Densch (Ed.), *Challenges and innovations in teaching and learning educational psychology*. Charlotte, NC: Information Age Publishing.
- Folkestad, J. E., Robinson, D. H., McKernan, B., Martey, R. M., Rhodes, M. G., Stromer-Galley, J., Kenski, K., Clegg, B. A., Shaw, A., Strzalkowski, T. (2015). Analytics-Driven Design: Impact and Implications of Team Member Psychological Perspectives on a Serious Games (SGs) Design Framework. In Loh, Christian Sebastian, Sheng, Yanyan, Ifenthaler, Dirk (Ed.), *Games Analytics: Methodologies for Performance Measurement, Assessment, and Improvement* (vol. 1). New York, NY: Springer Science+Business Media. [www.springer.com/education+%26+language/learning+%26+instruction/book/978-3-319-05833-7](http://www.springer.com/education+%26+language/learning+%26+instruction/book/978-3-319-05833-7)

## **Refereed Proceedings or Transactions**

- Folkestad, J. E., Clegg, B., McKernan, B., Martey, R., Taylor, S., Stromer-Galley, J., Kenski, K., Saulnier, T., Rhodes, M., Folkestad, J., McLaren, E., Shaw, A., Strzalkowski, T. (2015). *Effective mitigation of anchoring bias, projection bias, and representativeness bias from serious game-based training*. Louisville, KY: 6th International Conference on Applied Human Factors and Ergonomics.

- McKernana, B., Martey, R. M., Stromer-Galley, J., Kenski, K., Clegg, B. A., Folkestad, J. E., Rhodes, M. G., Strzalkowski, T. (2015). *We don't need no stinking badges: The impact of reward features and feeling rewarded in educational games* (pp. 1-28). International Communication Association Conference.
- Clegg, B., Martey, R., Folkestad, J. E., Stromer-Galley, J., Kenski, K., Saulnier, T., McLaren, E., Shaw, A., Lewis, J., Petterson, J., Strzalkowski, T. (2014). *Game-based Training to Mitigate Three Forms of Cognitive Bias*. Interservice/Industry Training, Simulation and Education Conference.
- Brantmeier, E., Aragon, A., Folkestad, J. E. (2011). *Examining collaborative learning modalities (CLM): critical multicultural education online?*. New Orleans, Louisiana: American Educational Research Association.
- Hayne, S. C., Folkestad, J. E. (2011). *Evolution of Social Networks in a Large Research Institution: Visualization and Analysis*. Hawaii International Conference on System Sciences.
- Folkestad, J. E. (2006). *Concurrent design for production (CDP): materialising interface knowledge on a US residential construction project using computer aided design objects*. Santiago, Chile: Proceedings 14th Annual Conference of the International Group on Lean Construction (IGLC).
- Johnson, B., Dunbar, B. H., Folkestad, J. E. (2006). *Identifying the barriers to certification for LEED registered projects*. Associated Schools of Construction Conference.
- Winek, G., Folkestad, J. E. (2004). *Rapid Prototyping and its current and future uses in the construction industry*. Brigham Young University, Provo, Utah: 40th Annual Conference Proceedings of the Associate Schools of Construction (ASC)..

### **Non-Refereed Journal Articles**

- Shaw, A., McKernan, B., Martey, R. M., Stromer-Galley, J., Saulnier, T., McLaren, E., Rhodes, M. G., Folkestad, J. E., Taylor, S., Kenski, K., Clegg, B. A., Strzalkowski, T. Analyzing iterative training game design: A multi-method postmortem analysis of CYCLES Training Center and CYCLES Carnivale. *Journal of Broadcasting & Electronic Media*.
- Clegg, B. A., McKernan, B., Martey, R. M., Taylor, S. M., Stromer-Galley, J., Kenski, K., Saulnier, E. T., Rhodes, M. G., Folkestad, J. E., McLaren, E., others (2015). Effective mitigation of anchoring bias, projection bias, and representativeness bias from serious game-based training. *Procedia Manufacturing*, 3, 1558–1565.
- McKernan, B., Martey, R. M., Stromer-Galley, J., Kenski, K., Clegg, B. A., Folkestad, J. E., Rhodes, M. G., Shaw, A., Saulnier, E. T., Strzalkowski, T. (2015). We don't need no stinkin'badges: The impact of reward features and feeling rewarded in educational games. *Computers in Human Behavior*, 45, 299–306.
- Folkestad, J. E., McKernan, B., Train, S., Martey, R. M., Rhodes, M. G., Stromer-Galley, J., Clegg, B. A., Strzalkowski, T. The Attention Based Engagement (ABE) scale: Development of an instrument to assess attentive behavior sequences during serious gameplay. *Journal of Psychoeducational Assessment*.
- Martey, R. M., Kenski, K., Folkestad, J. E., Feldman, L., Shaw, A., Stromer-Galley, J., Clegg, B. A. (2014). Five approaches to measuring engagement: Comparisons by video game characteristics. *Simulation & Gaming*, 45(45).
- Banning, J. H., Folkestad, J. E. (2012). STEM education related dissertation abstracts: A bounded qualitative meta-study. *Journal of Science Education and Technology (Impact factor 0.869)*, 21(6), 730–741.
- Jacobs, F., Folkestad, J. E., Glick, S. A. (2012). Review of construction lean research studies in support of lean transformation to the construction operating platform. *Journal of Enterprise Transformation*, 2(3), 157–176.

- Folkestad, J. E., O'Shea, P. (2011). An analysis of engagement in a combination indoor/outdoor augmented reality educational (ARE) game. *Journal on School Educational Technology*, 7(1), 30-37.
- Brantmeier, E. J., Aragon, A., Folkestad, J. E. (2011). Examining collaborative learning modalities (CLM): critical multicultural education online? *Multicultural Education & Technology Journal*, 5(1), 5–18.
- Folkestad, J. E., Hayne, S. C. (2011). Visualization and analysis of social networks of research funding. *44th Hawaii International Conference on System Sciences*, 1–10.
- Folkestad, J. E., Gonzalez, R. (2010). Teamwork for innovation: a content analysis of the highly read and highly cited literature on innovation. *Advances in Developing Human Resources (Impact factor 0.491)*, 12(1), 115–136.
- Folkestad, J. E., Banning, J. H. (2010). The ecology model of learning: Evaluating digital media applications (DMAS) using established ecological subsystems of learning. *Journal of Educational Technology (i-manager)*, 7(2), 41-51.
- Folkestad, J. E., Smith, A., Moritz, M. (2009). Phenomenology of a multimedia fishbowl: A learning ecosystem that encourages individuals to innovate through collaborative discovery. *Journal on School Educational Technology (i-manager)*, 5(1), 66-80.
- Folkestad, J. E., Banning, J. H. (2009). Promoting collaboration: the physical arrangement of library computers. *Library Hi Tech News*, 26(1/2), 18–19.
- Folkestad, J. E., Anderson, S. K. (2009). Investigating the promise of mass-customized education: A content analysis of self-reported descriptions of web 2.0-learning tools based on multiple intelligence theory. *Journal of Educational Technology (i-manager)*, 2(3), 34-47.
- Folkestad, J. E., Banning, J. H. (2008). Ecology of the computer laboratory. *Journal of Educational Technology*, 5(11), 38–48.
- McHugh, K. M., Folkestad, J. E. (2003). Production of Molds and Dies Using the RSP Tooling Approach. *proceedings of Spray Deposition and Melt Atomization (SDMA) 2003*, 123–134.
- Folkestad, J. E. (2002). Rapid prototyping with machinable wax molds. *Techdirections*, 29-31.
- Folkestad, J. E., Johnson, R. L. (2002). Integrated rapid prototyping and rapid tooling (IRPRT). *The International Journal of Manufacturing Technology Management, Integrated Manufacturing Systems*, 13(2), 97–103.
- Knirsch, J., Folkestad, J. E., Mchugh, K. (2002). RSP? tooling-A revolutionary new process to manufacture die cast production tooling in prototype timing. *Die Cast Eng*, 46(3), 56–60.
- Folkestad, J. E., Senior, Bolivar A, DeMirana, M. A. (2002). The Implications of Service-Learning for Technology Studies. *Journal of technology studies*, 28(1), 52–58.
- Folkestad, J. E., Johnson, R. L. (2001). Resolving the conflict between design and manufacturing: integrated rapid prototyping and rapid tooling (IRPRT). *J. Ind. Technol.*, 17(4), 2-8.
- Folkestad, J. E. (2000). Connecting technology education to industrial based careers: impact of summer enrichment programs on student comprehension. *Sendai University*, 6, 35-40.
- Janaes, M., Folkestad, J. E. (2000). Rapid Tooling: The Rapid-to-Market Advantage (633). *Tech Directions* -

*Prakken Publications, 1*, 968–972.

Folkestad, J. E., DeMiranda, M. A. (2000). Industrial advisory committee... or action committee? *Journal of Industrial Technology*, 16(3), 1-8.

De Miranda, M. A., Folkestad, J. E. (1999). Current Perspectives on Technology Education in the United States. *Connect: UNESCO International Science, Technology & Environmental Education*, 24(4), 5–7.

Janaes, M., Schaeffer, S., Folkestad, J. E. (1999). Toys-for-Tots: Manufacturing for a Purpose. *Tech Directions*, 59, 36–39.

### **Non-Refereed Chapters in Books**

Alexander, B., Allison, P., Arenas, M., Barondeau, R., Breitbart, D., Burroughs, S., Corneli, J., Danoff, C., Folkestad, J. E., Johnson, G., Keune, A., Legrand, R., Lyons, A., Neal, C., Newcomb, T., Pierce, C., Rheingold, H., Picaurte, P., Terzi, F., Walker, G. (2014). In George Brett, Joseph Corneli, Charles Jeffrey Danoff, Kyle Larson, Charlotte Pierce, and Paola Ricaurte (Ed.), *The Peeragogy handbook: Online collaborative book on self-organizing self-learning V2.0*. Amazon. [metameso.org/peeragogy-2.01-ebook.pdf](http://metameso.org/peeragogy-2.01-ebook.pdf)

Alexander, B., Allison, P., Arenas, M., Barondeau, R., Breitbart, D., Burroughs, S., Corneli, J., Danoff, C., Folkestad, J. E., Johnson, G., Keune, A., Legrand, R., Lyons, A., Neal, C., Newcomb, T., Pierce, C., Rheingold, H., Picaurte, P., Terzi, F., Walker, G. (2012). *The Peeragogy handbook: Online collaborative book on self-organizing self-learning 1.0*. Lulu.

Folkestad, J. E. (1999). *Designers Toolbox for Systems Engineering*. Albany, New York: Delmar Publishing.

### **Non-Refereed Proceedings or Transactions**

Pilgrim, M., Folkestad, J. E., Sencindiver, B. *Identifying non-regulators: Designing and deploying tools that detect self-regulation behaviors*. Learning Analytics and Knowledge (LAK) Conference.

Martey, R., Adrienne, S., Stromer-Galley, J., Kenski, K., Clegg, B., Folkestad, J. E., Saulnier, T., Strzalkowski, T. (2014). *Testing the Power of Game Lessons: The Effects of Art and Narrative on Reducing Cognitive Biases*. Snowbird, UT: Digital Games Research Association.

Clegg, B., McKernan, B., Folkestad, J. E. *Effective Mitigation of Anchoring Bias, Projection Bias, and Representativeness Bias from Serious Game-Based Training*. 1st International Symposium on Human Factors in Training, Education, and Learning Sciences.

Shaw, A., Kenski, K., Stromer-Galley, J., Martey, R., Clegg, B., Lewis, J., Folkestad, J. E., Strzalkowski, T. (2013). *Serious Efforts at Bias Reduction: The Effects of Digital Games and Avatar Customization on Three Cognitive Biases*. Washington, D.C.: National Communication Association.

O’Shea, P., Folkestad, J. E. (2012). An Analysis of Engagement in a Combination Indoor/Outdoor Augmented Reality Educational Game. *World Conference on Educational Multimedia, Hypermedia and Telecommunications* (1st ed., vol. 2012, pp. 1127–1147).

Anderson, S. K., Folkestad, J., Aldoubi, S. (2009). Faculty use of social networking: Ethical issues considered. *World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (1st ed., vol. 2009, pp. 2101–2103).

Folkestad, J. E., Howell, G. (2007). *Do Projects have Horsemen?: Investigating the warning signs fo unreliable commitments*. Proceedings of the 15th Annual Conference of the International Group on Lean Construction

(IGLC)..

Folkestad, J. E., Sandlin, D. (2005). *Digital construction: Utilizing three dimensional (3D) computer models to improve constructability* (vol. 27). Stanislaus, CA: 11th Annual International Conference on Industry, Engineering, and Management Systems.

Folkestad, J. E., Winek, G. (2004). *Using Rapid prototypes (RP) to reduce the time-to market cycle and to improve schedule efficiency within the construction industry*. College of Business Administration, California State University, Stanislaus, CA.: 10th International Conference on Industry, Engineering, & Management Systems (IEMS).

Folkestad, J. E. (2003). *Construction Education in a New Era*. Cocoa Beach, Florida: 9th Annual International Conference on Industry, Engineering, and Management Systems.

Folkestad, J. E. (2001). *Die casting and Rapid Solidification Process (RSP) Tooling: A three year industry-based research project*. Cincinnati, Ohio: Rapid Prototyping & Manufacturing.

Folkestad, J. E., Johnson, R. (1999). *Art to part: From rapid prototyping to rapid production*. Panama City, Florida: 32st Annual National Association of Industrial Technology (NAIT) Conference.

Johnson, R., Folkestad, J. E. (1999). *Enabling concurrent engineering and design for manufacturability: The Critical chain approach*,. Panama City, Florida: 32st Annual National Association of Industrial Technology (NAIT) Conference.

Folkestad, J. E., Hewson, R., McHugh, K. (1999). *Qualifying Rapid Solidification Process Tooling: Justifying Cutting Edge Technology*. Rosemont, IL: Rapid Prototyping and Manufacturing '99 Conference and Exposition.

Johnson, R., Folkestad, J. E. (1999). *Critical Chain: A New Approach to Project Management, Envision the Future of Project Management*. Denver, CO: Mile High Chapter of the Project Management Institute (PMI) Annual Conference.

Folkestad, J. E. (2014). *Managing Data Risk in Student Success Systems*. EDUCAUSE.

### **Article in Popular or Trade Magazine**

Knirsch, J., Folkestad, J. E., Mc Hugh, K. M. (2002). *RSP Tooling-A Revolutionary New Process to Manufacture Die Cast Production Tooling in Prototype Timing* (3rd ed., vol. 46, pp. 56-60). Die Casting Engineer.

### **Electronic Publication**

Folkestad, J. E. (2007). *Changing a system: Network centric learning communities*. K-12 Online Conference. [k12onlineconference.org/?p=198](http://k12onlineconference.org/?p=198)

### **News Column**

Dodge, J., Bennett, H., Eisele, J., Folkestad, J. E. (2016). *New Center Aims to Improve Learning Through Analytics*. Source. [source.colostate.edu/calt/](http://source.colostate.edu/calt/)

### **Ph.D. Thesis**

Folkestad, J. E. (1996). *The feasibility of implementing a model for a wide area network Management Information*

*System for Texas Education Agency-administered programs of adult education.* Texas A & M University.

### **Refereed essay (book contribution)**

Folkestad, J. E. (2008). Use of electronic (Internet-based) networks to promote socially-constructed understanding and learning. In Thompson, B., Brantmeier, E., Nathalie Kees, N., Cavanagh, T., McGlynn, C., & Ndura-Ouédraogo (Ed.), *147 Tips for Teaching Peace and Reconciliation*. Madison, WI: Atwood Publishing.

Folkestad, J. E. (2007). *From battleground to common ground: Stories of Conflict, Reconciliation and Civic Renewal*. Madison, WI: Atwood Publishing.

### **Web Development**

Folkestad, J. E. (2013). *Tutoring @ Colostate.edu*. Colorado State University. tutoring.colostate.edu

## **CONTRACTS & GRANTS**

### **Active as**

Folkestad, J. E., Martey, R. M. (PI), Contract, "Reducing Cognitive Biases through Games", State University of New York, Other Domestic Higher Education, \$1,533,102.00, Active. (start: October 1, 2012, end: December 31, 2015).

### **Externally-Funded Award Pending**

Folkestad, J. E., Grant, "EXP: Collaborative Research: Assessing Collaborative Learning and Automated Feedback in Online Education using the Tools for Higher Education Ensemble Assessment", National Science Foundation, Federal, \$66,700.00, Pending. (sub: December 2014, start: December 19, 2014).

### **Externally-Funded Award**

Folkestad, J. E.

### **Externally-Funded Award Funded**

Folkestad, J. E., Grant, "Career Horizons 2000", Mechanical Contractors Association of Colorado, State, \$5,000.00, Funded. (start: April 1, 2000, end: August 15, 2000).

### **Externally-Funded Award Not Funded as PI**

Folkestad, J. E. (PI), Palmquist, M. (CoPI), Rhodes, M. (CoPI), Thayer, P. (CoPI), Grant, "Using Advanced, Large-scale Educational Predictive Analytics to Increase Student Success in Freshman Science, Technology, Engineering, and Mathematics", National Science Foundation, \$317,083.00, Not Funded. (sub: June 2014, start: August 15, 2014, end: August 15, 2014).

### **Externally-Funded Award Not Funded as CoPI**

Fassnacht, S. (PI), Oprea, I. (CoPI), Burns, P. (CoPI), Folkestad, J. E. (CoPI), Grant, "Snow Surface Albedo and Roughness Interactions Under the Presence and Absence of Light Absorbing Particulates", National Science Foundation, Federal, \$1,262,038.00, jfolkest/congrant\_sub/Snow Surface Albedo and Roughness Interactions - Co-PI listing-1-1.pdf, Not Funded. (start: August 15, 2014).

### **Internally-Funded Award Funded**

Folkestad, J. E., Grant, "TILT / Reinvention Center Science of Learning Course Development Competition", The



Institute for Learning and Teaching, Colorado State University, \$5,000.00, Funded. (start: August 15, 2013, end: August 14, 2014).

Folkestad, J. E., Contract, "Contract to develop a short course for The Institute for Learning and Teaching (TILT). Course title: Exploring Social-Media Ecosystems for Creating Interactive Learning Communities", The Institute for Learning and Teaching, \$500.00, Funded. (start: August 15, 2011, end: August 14, 2012).

Folkestad, J. E., Contract, "Digital media and learning taskforce", The Institute for Learning and Teaching, \$1,000.00, Funded. (start: August 15, 2010, end: August 14, 2011).

Folkestad, J. E., Contract, "Open Source – Content Management Initiative (OS-CMI)", The Institute for Learning and Teaching, Colorado State University, \$1,000.00, Funded. (start: August 15, 2009, end: August 14, 2010).

Folkestad, J. E., Contract, "Visualization and analysis of social networks of research collaboration", Information Science and Technology Center (ISTEC), Colorado State University, \$3,000.00, Funded. (start: August 15, 2009, end: August 14, 2010).

Folkestad, J. E., "Updating curriculum for MC136", Division of Educational Outreach, Colorado State University, \$1,000.00, Funded. (start: August 15, 2008, end: August 14, 2009).

Folkestad, J. E., Contract, "Development contract to create MC563 – 3D Parametric Modeling", Division of Educational Outreach, \$1,000.00, Funded. (start: August 15, 2006, end: August 14, 2007).

Folkestad, J. E., Contract, "Updating curriculum for MC136", Division of Educational Outreach, Colorado State University, \$1,000.00, Funded. (start: August 15, 2005, end: August 14, 2006).

Folkestad, J. E., Contract, "Updating curriculum for MC136", Division of Educational Outreach, Colorado State University, \$1,000.00, Funded. (start: August 15, 2002, end: August 14, 2003).

Folkestad, J. E., Contract, "Updating curriculum for MC136 to online delivery format", Updating curriculum for MC136 to online delivery format, Colorado State University, \$1,500.00, Funded. (start: August 15, 1999, end: August 14, 2000).

Folkestad, J. E., Grant, "Division of Educational Outreach", College of Applied Human Sciences, Colorado State University, \$876.00, Funded. (start: August 15, 1999, end: August 14, 2000).

Folkestad, J. E., Grant, "Scholarship Advancement Award", College of Applied Human Sciences, Colorado State University, \$500.00, Funded. (start: August 15, 1999, end: August 14, 2000).

Folkestad, J. E., Contract, "The creation of a research consortium to test the reliability and applicability of rapid-prototyping and rapid-tooling techniques", Office of the Provost, Colorado State University, \$2,860.00, Funded. (start: August 15, 1998, end: August 14, 1999).

### **Funded as CoPI**

Martey, R. (PI), Folkestad, J. E. (CoPI), Clegg, B. (CoPI), Grant, "Mitigating Analytical Bias through CYCLES of Transformative Learning in Serious Game. (Indirect CSU \$621,552.00; CHHS \$124,300)", Intelligence Advanced Research Projects Activity (IARPA) Sirius Program, Federal, \$2,010,945.00, Funded. (start: September 1, 2012, end: March 31, 2015).

### **Funded**

Folkestad, J. E., Senior, B. A., Contract, "Trail Ridge Homes at Blue Lake", Genesis Homes, Private, \$40,461.00, Funded. (start: August 15, 2005, end: September 30, 2006).

Folkestad, J. E., Senior, B. A., Contract, "Trail Ridge Homes at Blue Lake", Genesis Homes, Private, \$40,461.00, Funded. (start: August 15, 2005, end: September 30, 2006).

Folkestad, J. E., Grant, "Integration of RSP Tooling with Rapid Prototyping for Die-Casting Applications",

United States Department of Energy, Federal, \$1,100,000.00, Funded. (start: August 15, 2000, end: September 30, 2004).

Folkestad, J. E., Grant, "Colorado Institute of Technology (CIT)", Career Horizons, \$8,050.00, Funded. (start: June 1, 2000, end: August 15, 2000).

Folkestad, J. E., Grant, "Faculty Mini-Grants for existing and new service-learning initiatives", Office of Community Services, \$500.00, Funded. (start: August 15, 1998, end: August 14, 1999).

## **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

October 12, 2016, "Introduction to the Center for the Analytics of Learning and Teaching", Vice President's Council - Student Affairs, Colorado State University.

October 11, 2016, "Video Analytics within Canvas: Current Tools and Future Development in Echo 360 and Kaltura Video Tools.", Center for the Analytics of Learning and Teaching (Workshop).

September 13, 2016, "Introduction to Canvas Course and Student Analytics", Center for the Analytics of Learning and Teaching (Workshop).

August 2016, "Using computer games to mitigate cognitive biases: The CYCLES project.", 124th annual convention of the American Psychological Association, American Psychological Association, (Presenter) Rhodes, M., peer-reviewed/refereed.

August 2016, "Use a Computer Game to Mitigate Cognitive Bias: The CYCLES Project", American Psychological Association Annual Conference, peer-reviewed/refereed.

June 9, 2016, "Hitting the sweet spot: How balancing types of learner struggle can enhance learning outcomes for educational games", 2016 ICA Games Studies Division pre-conference, International Communication Association, peer-reviewed/refereed.

May 27, 2016, "Detecting Self-Regulated Learning Behaviors in Calculus I", The Center for the Analytics of Learning and Teaching, College of Business.

May 18, 2016, "Implications for CSU learning analytics: Key takeaways from the Learning Analytics and Knowledge Conference (LAK) 2016", TILT Summer Conference, TILT.

March 28, 2016, "Unizin Faculty Forum: Panel Member", Unizin Faculty Forum, CSU Library.

February 5, 2016, "Center for the Analytics of Learning and Teaching (C-ALT) - Introduction", LoudCloud - CSU Pilot Project, Colorado State University.

February 1, 2016, "Center for the Analytics of Learning and Teaching (C-ALT) Activities", Science of Learning/Pedagogical Innovation Taskforce, Colorado State University.

January 13, 2016, "Introduction to the CSU Learning Analytics Working Group (LAWG)", TILT's Professional Development Institute, Colorado State University, (Presenter) Johnson, D., Folkestad, J. E., Jensen, L., Gorzelsky, G. A.

November 2015, "Analytics Based Design", Association for Educational Communications and Technology Conference, Indianapolis, Indiana.

September 22, 2015, "CYCLES engagement - Game Based Learning", Sirius Capstone Meeting, IARPA,

Baltimore.

September 11, 2015, "Re-envisioning Curriculum: A Collaborative Program Review", CSU's Fall Forum, Colorado State University, Estes Park, CO.

May 24, 2015, "We don't need no stinkin' badges: The impact of reward features and feeling rewarded in educational games", International Communication Association, (Presenter) McKernan, B., San Juan, Puerto Rico, peer-reviewed/refereed.

May 22, 2015, "CYCLES - Game's that teach", International Communication Association, San Juan, Puerto Rico.

May 20, 2015, "Test for Knowledge; Play for Understanding: Using serious games to advance beyond recognition and discrimination to deeper behavioral awareness of difficult to learn subjects.", TILT Summer Conference, TILT, (Presenter) Folkestad, J. E., Rhodes, M., Clegg, B., Fort Collins, CO, peer-reviewed/refereed.

March 23, 2015, "De-bias yourself: Training managers to mitigate bias decision-making", Industry, Engineering, and Management Systems, Cocoa Beach, Florida, peer-reviewed/refereed.

March 4, 2015, "CYCLES - Serious Game-Based Training", Invited Lecture to OLPC Denver Cohort, Denver, CO.

February 5, 2015, "Analytics for Learning and Teaching (ALT) - IPAS Implementation", EDUCAUSE - Site Visit with Chris Brooks, Colorado State University, United States.

January 27, 2015, "Attention Based Engagement (ABE) - Attention during gameplay", Sirius PI Meeting, Intelligence Advance Research Project Activity (IARPA), Baltimore, MD.

2014, "IARPA game based learning - Attention is the key.", ARiEL SIG paper session, American Education Research Association (AERA), Philadelphia, PA.

December 1, 2014, "Game-based training to mitigate three forms of cognitive bias.", Interservice/Industry Training, Simulation, and Education Conference (IITSEC), (Presenter) Clegg, B., Orlando, FL, peer-reviewed/refereed.

August 3, 2014, "Testing the Power of Game Lessons: The Effects of Art and Narrative on Reducing Cognitive Biases.", Digital Games Research Association (DiGRA), Digital Games Research Association (DiGRA), Salt Lake City, peer-reviewed/refereed.

May 21, 2014, "Predictive Modeling in Gateway Courses", Provost's Academy for Instructional Innovation, Colorado State University, United States.

May 9, 2014, "Analytics for Learning and Teaching (ALT): A faculty-driven effort to advance the use of learning analytics for improving student success within gateway courses at CSU.", Cognitive Psychology Colloquium, Colorado State University - Cognitive Psychology, Fort Collins.

January 13, 2014, "Analytics for Learning and Teaching (ALT)", Professional Development Institute (PDI), Fort Collins, CO.

March 10, 2013, "Transforming behavior surrounding cognitive bias: Improving pattern recognition and encouraging mitigation behavior within a game-based learning environment", National Social Science Association, Las Vegas, NV, peer-reviewed/refereed.

January 10, 2013, "Tutoring@CSU: A new network connecting CSU students with tutoring and learning

- resources", TILT Professional Development Institute (PDI), The Institute for Learning and Teaching (TILT), Fort Collins, CO.
- July 10, 2012, "Connecting to learn, The Institute for Learning and Teaching's (TILT) Delegate from King Faisal University", Delegate from King Faisal University, The Institute for Learning and Teaching's (TILT), Fort Collins, CO.
- June 15, 2012, "An analysis of engagement in a combination indoor/outdoor augmented reality educational game", ED-Media Conference, Denver, CO, peer-reviewed/refereed.
- June 10, 2012, "Flipping the Classroom. The Institute for Learning and Teaching's (TILT) Summer Retreat on Teaching and Learning", Summer Retreat on Teaching and Learning, The Institute for Learning and Teaching's (TILT), Fort Collins, CO.
- April 12, 2012, "Mobile learning is the future", FutureVisions Symposium., Information Science and Technology Center's (ISTeCs), Fort Collins, CO.
- April 10, 2012, "Transforming behavior surrounding cognitive bias: Improving pattern recognition and encouraging mitigation behavior within a virtual learning environment (VLE).", American Educational Research Association (AERA) Conference, Applied Research in Virtual Environments for Learning (ARVEL), Vancouver, BC, peer-reviewed/refereed.
- March 9, 2012, "Designing technology to expose contradictions and expand learning", Invited presentation at the Program Excellence Network (PEN), Academy of Human Resource Development (AHRD) conference, Denver, CO.
- January 16, 2012, "Learning and working in a digitized world", Invited presentation at Northeastern Junior College, Northeastern Junior College, Sterling Colorado.
- January 11, 2012, "What is Drupal and how can I learn to use it?", Professional Development Institute, The Institute for Learning and Teaching (TILT), Fort Collins, CO.
- May 27, 2011, "STEM education related dissertation abstracts: A bounded qualitative meta-study", STEM research seminar series, Fort Collins, CO.
- April 5, 2011, "Exploring social-media ecosystems for creating interactive learning communities", TILT short course on teaching and learning, The Institute for Learning and Teaching (TILT), Fort Collins, CO.
- March 15, 2011, "Innovation lab –Thompson School District. EdTechTalk Live.", Collaborative Open Webcasting Community, Online Conference.
- February 13, 2011, "Prezi: Zooming away from death-by-Powerpoint", TILT lecture series on teaching and learning, The Institute for Learning and Teaching (TILT), Fort Collins, CO.
- November 26, 2010, "High School Day", Information Science and Technology Center (ISTeC), ISTEC, Fort Collins, CO.
- November 20, 2010, "Visualization and analysis of social networks of research collaboration.", Invited presentation - Industrial Advisory Council Fall Retreat, Information Science and Technology Center's (ISTeCs), Boulder, CO.
- August 14, 2010, "Teaching with technology", Invited Presentation - TILT Graduate student orientation, Fort Collins, CO.

April 25, 2010, "Introduction to online learning communities: Connected learning 101", National Educators Program, SLC International Conference, Beaver Creek, CO, peer-reviewed/refereed.

January 11, 2010, "Drupal: Establishing and supporting a developers group at Colorado State University", Professional Development Institute (PDI), Fort Collins, CO.

September 20, 2009, "STEPP Collaboratory", School of Teacher Education and Principal Preparation (STEPP) meeting, Fort Collins, CO.

April 10, 2009, "Stop searching: Start connecting", Colorado State University Library Master Teacher Initiative (MTI), The Institute for Learning and Teaching (TILT), Fort Collins, CO.

February 4, 2009, "Stop searching: Start connecting", Invited presentation at the School of Business Master Teacher Initiative (MTI), The Institute for Learning and Teaching (TILT), Fort Collins, CO.

January 17, 2009, "Digital tools for emerging and assessing students: ePortfolios, wikis, and blogs", Professional Development Institute (PDI), Fort Collins, CO.

November 20, 2008, "The amazing digital future", Information Science and Technology Day for High School Students and Counselors, Fort Collins, CO.

September 15, 2008, "Web 2.0 conversation / presentation with Howard Rheingold", Building Bridges for Education Excellence Conference, Fort Collins, CO.

July 5, 2008, "Web 2.0 tools for communication", Colorado Association for Career and Technical Education (CACTE), Fort Collins, CO, peer-reviewed/refereed.

February 23, 2008, "Technology and change. Imagine action: Cultural Creatives and Sustainable Choices", Grass Roots Public Radio FM 88.9, KRFC Fort Collins, Fort Collins, CO.

February 10, 2008, "Stop searching - start connecting: The art of building personal learning communities that deliver", Learning 2.0: A Colorado Conversation, Arapahoe High School, Littleton, CO.

January 13, 2008, "Student 2.0: Changing behaviors and demands", Professional Development Institute (PDI), The Institute for Learning and Teaching (TILT), Fort Collins, CO, peer-reviewed/refereed.

November 15, 2007, "The amazing digital future", Information Science and Technology Day for High School Students and Counselors, Information Science and Technology Center's (ISTeC), Fort Collins, CO.

October 10, 2007, "Changing a system: Network centric learning communities", K-12 Online Conference, Online, peer-reviewed/refereed.

August 19, 2007, "Introduction to the Information Science and Technology Committee (ISTeC) professional networking site (NING).", Annual ISTeC Industrial Advisory Committee, Information Science and Technology Center's (ISTeC), Level3, Denver, CO.

July 25, 2007, "Do projects have horsemen?: Investigating the warning signs of unreliable commitments", 15th Annual Conference International Group for Lean Construction, East Lansing, Michigan, peer-reviewed/refereed.

July 10, 2006, "Concurrent design for production (CDP): Materializing interface knowledge on a U.S. residential construction project using computer aided design objects", 14th Annual Conference - International Group for

- Lean Construction, Santiago, Chile, peer-reviewed/refereed.
- June 28, 2006, "Use of 3D CAD (SolidWorks) on a U.S. residential home construction project", Colorado SolidWorks User Group, Westminster, CO, peer-reviewed/refereed.
- February 27, 2006, "Amazing digital future", Information Science and Technology Center (ISTeC), Fort Collins, CO.
- May 24, 2005, "The state of CM training: Is our profession at risk?", Construction Management Association of America (CMAA) Spring Conference and Forum, Construction Management Association of America (CMAA), Denver, CO, peer-reviewed/refereed.
- October 3, 2004, "Rapid prototyping and its current and future uses in the construction industry", National Association of Industrial Technology (NAIT), National Association of Industrial Technology (NAIT), Louisville, Kentucky, peer-reviewed/refereed.
- September 13, 2004, "RSP Tooling: Case studies and research", International Manufacturing Technology Show (IMTS), International Manufacturing Technology Show (IMTS), Chicago, Illinois, peer-reviewed/refereed.
- April 20, 2004, "Rapid prototyping and its current and future uses in the construction industry", 40th Annual Conference Proceedings of the Associate Schools of Construction (ASC), Brigham Young University, Provo, Utah, peer-reviewed/refereed.
- March 12, 2004, "Using Rapid prototypes (RP) to reduce the time-to market cycle and to improve schedule efficiency within the construction industry.", 10th International Conference on Industry, Engineering, & Management Systems (IEMS), College of Business Administration, California State University, Stanislaus, CA, peer-reviewed/refereed.
- September 16, 2003, "Integration of RSP tooling with rapid prototyping for die-casting applications", 22nd International Die Casting Congress and Exposition., North American Die Casting Association., Indianapolis, Indiana, peer-reviewed/refereed.
- March 16, 2003, "Construction education in a new era", 9th Annual International Conference on Industry, Engineering, and Management Systems, Industry, Engineering, and Management Systems (IEMS), Cocoa Beach, Florida, peer-reviewed/refereed.
- March 6, 2003, "Making a case for Service Learning", 65th Annual CTTE Annual Conference, CTTE, Nashville, TN, peer-reviewed/refereed.
- February 25, 2003, "Integrating RSP tooling and rapid prototyping in die casting (invited presentation)", RSP Tooling Open House, RSP Tooling, Solon, Ohio.
- September 10, 2002, "Die casting and rapid solidification process (RSP) tooling: An applied research project", Die Casting Congress & Table-Top Exposition, Rosemont, Illinois, peer-reviewed/refereed.
- November 11, 2001, "Future of Technology Education", 16th Annual Colorado Technology Education Association: Rocky Mountain States Conference, Fort Collins, CO.
- November 2, 2001, "Impact of using screen-capture instruction in the classroom", 16th Annual Colorado Technology Education Association: Rocky Mountain States Conference, Fort Collins, CO, peer-reviewed/refereed.
- November 2, 2001, "Materials testing using common household materials", 16th Annual Colorado Technology

Education Association: Rocky Mountain States Conference, Fort Collins, CO, peer-reviewed/refereed.

November 2, 2001, "Wax tooling and rapid prototype models for technology education", 16th Annual Colorado Technology Education Association: Rocky Mountain States Conference, Technology Education Association, Fort Collins, CO, peer-reviewed/refereed.

September 10, 2001, "Critical Chain: A Quality assurance approach to project management", 4th International QMOD conference: Quality management and organizational development, Linkopings University, Linkopings, Sweden, peer-reviewed/refereed.

May 23, 2001, "Die casting & RSP tooling: A three-year industry-based research project", Rapid Prototyping & Manufacturing Conference, Cincinnati, Ohio, peer-reviewed/refereed.

January 10, 2001, "The state of technology education in the United States", Copiapo, Chili.

December 10, 2000, "Connecting technology education to industrial based careers: impact of summer enrichment programs on student comprehension", Sendai University Invitation, Sendai University, Japan, Sendai University, Japan.

November 7, 2000, "Avoiding loss of time-compression efforts: strategic integration versus isolated application", Annual National Association of Industrial Technology (NAIT) Conference, Pittsburgh, Pennsylvania, peer-reviewed/refereed.

November 7, 2000, "Rapid-to-market investment casting: Integrating fused deposition modeling (FDM) and centrifugal investment casting", Annual National Association of Industrial Technology (NAIT) Conference, Pittsburgh, Pennsylvania, peer-reviewed/refereed.

November 6, 2000, "Opening IT faculty and students' minds to critical chain project management", Annual National Association of Industrial Technology (NAIT) Conference, Pittsburgh, Pennsylvania, peer-reviewed/refereed.

October 27, 2000, "Centrifugal investment casting using fused deposition model patterns", TCT Conference and Exhibition, Cardiff, United Kingdom, peer-reviewed/refereed.

July 20, 2000, "Resolving the conflict between design and manufacturing: Integrated rapid prototyping and rapid tooling (IRPRT)", Responsive production and the agile enterprise, Managing Innovative Manufacturing (MIM), Birmingham, United Kingdom, peer-reviewed/refereed.

July 18, 2000, "Superior strategic utilization of technologies and management methodologies for cutting time-to-market", Responsive production and the agile enterprise, Managing Innovative Manufacturing (MIM), Birmingham, United Kingdom, peer-reviewed/refereed.

May 1, 2000, "Opening decision-makers minds to critical chain project management (CCPM): You see the potential but THEY won't listen?", Project Management Institutes Spring Seminar, Denver Marriott Hotel-City Center, Denver, Colorado, peer-reviewed/refereed.

April 18, 2000, "Innovations: Technology, team/problem-solving and leadership", International Technology Education Association (ITEA) Conference, Salt Lake City, Utah, peer-reviewed/refereed.

January 10, 2000, "Service-Learning: Successes and pitfalls", Professional Development Institute 2000, The Institute for Learning and Teaching (TILT), Colorado State University, Fort Collins, peer-reviewed/refereed.

November 16, 1999, "Art to part: From rapid prototyping to rapid production", 32st Annual National Association

of Industrial Technology (NAIT) Conference, Panama City, Florida, peer-reviewed/refereed.

November 16, 1999, "Enabling concurrent engineering and design for manufacturability: The Critical chain approach", 32st Annual National Association of Industrial Technology (NAIT) Conference, Panama City, Florida, peer-reviewed/refereed.

November 4, 1999, "Solid works at CSU", Rocky Mountain Unigraphics User Group Meeting, Fort Collins, Colorado.

May 19, 1999, "Critical chain: A new approach to project management, envision the future of project management", Mile High Chapter of the Project Management Institute (PMI) Annual Conference, Project Management Institute (PMI), Denver, CO, peer-reviewed/refereed.

May 19, 1999, "The future of project management it's not what you think, envision the future of project management", Mile High Chapter of the Project Management Institute (PMI) Annual Conference, Project Management Institute (PMI), Denver, CO, peer-reviewed/refereed.

### **OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

(March 12, 2015). Seminar, "When Remembering Really Matters: The Power of Serious Games for Employee Learning and Retention," Chief Learning Officer, United States.

(June 30, 2014 - July 2, 2014). Workshop, "Learning Analytics Summer Institute at Harvard (LASI-Harvard)," Society for Learning Analytics Research (SoLAR), Cambridge, MA, United States. Approximate Number of Hours Spent Per Year: 24.

(March 24, 2014 - March 28, 2014). Conference Attendance, "Learning Analytics and Knowledge Conference," Indianapolis, Indiana, United States.

(November 20, 2013 - November 21, 2013). Professional Meeting, "Summit on managing data risk in student success systems," EDUCAUSE, Washington, D.C., United States. Approximate Number of Hours Spent Per Year: 20.

(July 1, 2013 - July 5, 2013). Workshop, "Learning Analytics Summer Institute at Stanford (LASI-Stanford)," Society for Learning Analytics Research (SoLAR), Palo Alto, CA, United States. Approximate Number of Hours Spent Per Year: 40.

(2010). Conference Attendance, "Integrating critical thinking into your courses," The Institute for Learning and Teaching, Fort Collins, Colorado, United States.

(2010). Faculty Fellowship, "Hosted Ben Kehrwald – Human agency and technology (from New Zealand)," School of Education, Fort Collins, Colorado, United States.

(March 2006). Short Course, "Colorado State University human research protection training," CSU Regulatory Compliance Office, United States.

(January 2006). Conference Attendance, "SolidWorks World 2006 - International User Conference and Exposition," Solid Works, Las Vegas, NV, United States.

(December 2005). Conference Attendance, "Sustainable Building Industry Council's ECOBuild Federal Conference.," ECOBuild, Washington, D.C., United States.

(March 2005). Tutorial, "Revit training," Neenan Corporation, Fort Collins, Colorado, United States.



(May 12, 2000). Conference Attendance, "Rapid Product Development Alliance (RPDA) spring meeting," Higher Education Advanced Training Center, Denver, CO, United States.

(September 9, 1999). Professional Meeting, "Manufacturing Accreditation Workshop," NAIT accreditation, St. Louis, Missouri, United States.

### ***CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS***

#### **TEACHING:**

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2017	Spring	EDHE799 - Dissertation	18	32
2017	Spring	EDOD799 - Dissertation	18	1
2017	Spring	EDRM792A - Seminar: Research Methodology	18	0
2016	Fall	EDOD677 - Action Learning and Inquiry	3	17
2016	Fall	EDCL799 - Dissertation	18	25
2016	Fall	EDOD799 - Dissertation	18	1
2016	Fall	EDUC795 - Independent Study	18	7
2016	Fall	EDOD692B - Seminar: HRD Concepts--Organizational Learning	3	23
2016	Fall	EDRM792A - Seminar: Research Methodology	18	0
2016	Summer	EDCL799 - Dissertation	18	24
2016	Summer	EDOD792 - Seminar-Human Resource Development	18	0
2016	Summer	EDRM792A - Seminar: Research Methodology	18	0
2016	Spring	EDCL799 - Dissertation	18	35
2016	Spring	EDCL799 - Dissertation	18	1
2016	Spring	EDOD799 - Dissertation	18	1
2016	Spring	EDUC331 - Educational Technology and Assessment	2	14
2016	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	14
2016	Spring	EDUC792 - Seminar - Technology Enhanced Learning	18	5
2016	Spring	EDRM792A - Seminar: Research Methodology	18	0
2015	Fall	EDCL799 - Dissertation	18	15
2015	Fall	EDCL799 - Dissertation	18	28
2015	Fall	EDOD799 - Dissertation	18	2
2015	Fall	EDOD799 - Dissertation	18	3
2015	Fall	EDUC331 - Educational Technology and Assessment	2	16
2015	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	16
2015	Fall	EDUC695 - Independent Study	18	3
2015	Fall	EDRM698 - Research	18	5
2015	Fall	EDRM792A - Seminar-Research Methodology	18	0
2015	Fall	EDRM792A - Seminar-Research Methodology	18	0
2015	Fall	EDOD692B - Seminar: HRD Concepts--Organizational Learning	3	18
2015	Summer	EDCL799 - Dissertation	18	41
2015	Summer	EDOD799 - Dissertation	18	0
2015	Summer	EDOD792 - Seminar-Human Resource Development	18	0
2015	Spring	EDCL799 - Dissertation	18	21
2015	Spring	EDCL799 - Dissertation	18	26
2015	Spring	EDOD799 - Dissertation	18	1
2015	Spring	EDUC331 - Educational Technology and Assessment	2	9
2015	Spring	EDUC331 - Educational Technology and Assessment	2	13

2015	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	9
2015	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	13
2015	Spring	EDRM698 - Research	18	0
2015	Spring	EDRM792A - Seminar-Research Methodology	18	0
2015	Spring	EDOD792 - Seminar: Human Resource Development	18	0
2014	Fall	EDCL799 - Dissertation	18	25
2014	Fall	EDCL799 - Dissertation	18	22
2014	Fall	EDOD799 - Dissertation	18	1
2014	Fall	EDUC331 - Educational Technology and Assessment	2	14
2014	Fall	EDUC331 - Educational Technology and Assessment - Lab	0	14
2014	Fall	EDRM792A - Seminar-Research Methodology	18	0
2014	Fall	EDRM792A - Seminar-Research Methodology	18	0
2014	Fall	EDOD692B - Seminar: HRD Concepts--Organizational Learning	3	18
2014	Summer	EDCL799 - Dissertation	18	10
2014	Summer	EDCL799 - Dissertation	18	16
2014	Summer	EDOD799 - Dissertation	18	1
2014	Spring	EDCL799 - Dissertation	18	23
2014	Spring	EDCL799 - Dissertation	18	19
2014	Spring	EDUC331 - Educational Technology and Assessment	2	19
2014	Spring	EDUC331 - Educational Technology and Assessment	2	17
2014	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	19
2014	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	17
2014	Spring	EDRM698 - Research	18	5
2014	Spring	EDRM792A - Seminar-Research Methodology	18	1
2013	Fall	EDCL799 - Dissertation	18	17
2013	Fall	EDCL799 - Dissertation	18	13
2013	Fall	EDUC331 - Educational Technology and Assessment	2	25
2013	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	25
2013	Fall	EDRM792A - Seminar-Research Methodology	18	0
2013	Summer	EDCL799 - Dissertation	18	5
2013	Summer	EDAE695 - Independent Study	18	1
2013	Summer	EDUC795 - Independent Study	18	1
2013	Summer	FESA335 - Trends in Fire Science Technologies	3	11
2013	Spring	EDCL799 - Dissertation	18	17
2013	Spring	EDCL799 - Dissertation	18	14
2013	Spring	EDOD799 - Dissertation	18	8
2013	Spring	EDRM799 - Dissertation	18	29
2013	Spring	EDUC331 - Educational Technology and Assessment	2	18
2013	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	18
2013	Spring	EDAE586 - Practicum	18	1
2012	Fall	EDOD799 - Dissertation	18	8
2012	Fall	EDRM799 - Dissertation	18	31
2012	Fall	EDAE586 - Practicum	18	1
2012	Summer	EDCL799 - Dissertation	18	6
2012	Spring	EDCL799 - Dissertation	18	8
2012	Spring	EDCL799 - Dissertation	18	12
2012	Spring	EDRM799 - Dissertation	18	36
2012	Spring	EDUC331 - Educational Technology and Assessment	2	22
2012	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	22
2011	Fall	EDUC331 - Educational Technology and Assessment	2	25
2011	Fall	EDUC331 - Educational Technology and Assessment	2	26
2011	Fall	EDUC331 - Educational Technology and Assessment	2	17

2011	Fall	EDUC331 - Educational Technology and Assessment - Lab	0	17
2011	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	25
2011	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	26
2011	Summer	EDUC331 - Educational Technology and Assessment	2	22
2011	Summer	EDUC331 - Educational Technology and Assessment -Lab	0	22
2011	Summer	FESA335 - Trends in Fire Science Technologies	3	11
2011	Spring	EDRM799 - Dissertation	18	37
2011	Spring	EDUC331 - Educational Technology and Assessment	2	23
2011	Spring	EDUC331 - Educational Technology and Assessment	2	25
2011	Spring	EDUC331 - Educational Technology and Assessment	2	23
2011	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	23
2011	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	25
2011	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	23
2011	Spring	EDUC495 - Independent Study	18	8
2011	Spring	EDUC795 - Independent Study	18	8
2011	Spring	EDCT465 - Methods and Materials in Technology Education	3	1
2010	Fall	EDUC331 - Educational Technology and Assessment	2	26
2010	Fall	EDUC331 - Educational Technology and Assessment	2	25
2010	Fall	EDUC331 - Educational Technology and Assessment	2	27
2010	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	26
2010	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	25
2010	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	27
2010	Summer	CON136 - Computer-Aided Design	3	2
2010	Summer	EDRM799 - Dissertation	18	14
2010	Summer	EDUC331 - Educational Technology and Assessment	2	23
2010	Summer	EDUC331 - Educational Technology and Assessment -Lab	0	23
2010	Summer	EDOD792 - Leadership Innovation	3	23
2010	Spring	EDRM799 - Dissertation	18	42
2010	Spring	EDUC331 - Educational Technology and Assessment	2	27
2010	Spring	EDUC331 - Educational Technology and Assessment	2	26
2010	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	27
2010	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	26
2010	Spring	EDUC795 - Independent Study	18	10
2009	Fall	EDUC331 - Educational Technology and Assessment	2	27
2009	Fall	EDUC331 - Educational Technology and Assessment	2	26
2009	Fall	EDUC331 - Educational Technology and Assessment	2	24
2009	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	27
2009	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	26
2009	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	24
2009	Fall	EDUC795 - Independent Study	18	15
2009	Fall	EDUC684 - Supervised College Teaching	18	8
2009	Summer	EDUC530 - Computer Applications in Effective Instruction	2	6
2009	Summer	EDUC530 - Computer Applications in Effective Instruction - Lab	0	6
2009	Summer	CON136 - Computer-Aided Design	3	2
2009	Summer	EDUC695 - Independent Study	18	4
2009	Summer	FESA335 - Trends in Fire Science Technologies	3	12
2009	Spring	CON136 - Computer-Aided Design	3	7
2009	Spring	EDUC331 - Educational Technology and Assessment	2	26
2009	Spring	EDUC331 - Educational Technology and Assessment	2	12
2009	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	26
2009	Spring	EDUC331 - Educational Technology and Assessment - Lab	0	12

2009	Spring	EDUC709 - Leadership Development	3	7
2009	Spring	EDUC709 - Leadership Development	3	6
2008	Fall	CON136 - Computer-Aided Design	3	4
2008	Fall	EDUC331 - Educational Technology and Assessment	2	25
2008	Fall	EDUC331 - Educational Technology and Assessment	2	22
2008	Fall	EDUC331 - Educational Technology and Assessment	2	20
2008	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	25
2008	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	22
2008	Fall	EDUC331 - Educational Technology and Assessment-Lab	0	20
2008	Fall	EDUC795 - Independent Study	18	7
2008	Summer	CON136 - Computer-Aided Design	3	7
2008	Summer	EDUC331 - Educational Technology and Assessment	2	21
2008	Summer	EDUC331 - Educational Technology and Assessment -Lab	0	21
2008	Summer	EDUC495 - Independent Study	18	2
2008	Spring	CON136 - Computer-Aided Design	3	4
2008	Spring	EDUC331 - Educational Technology and Assessment	2	23
2008	Spring	EDUC331 - Educational Technology and Assessment	2	24
2008	Spring	EDUC331 - Educational Technology and Assessment	2	20
2008	Spring	EDUC331 - Educational Technology and Assessment	2	19
2008	Spring	EDUC331 - Educational Technology and Assessment-Lab	0	23
2008	Spring	EDUC331 - Educational Technology and Assessment-lab	0	24
2008	Spring	EDUC331 - Educational Technology and Assessment-Lab	0	20
2008	Spring	EDUC331 - Educational Technology and Assessment-Lab	0	19
2008	Spring	EDCT485 - Student Teaching	18	12
2007	Fall	CON136 - Computer-Aided Design	3	6
2007	Fall	EDUC331 - Educational Technology and Assessment	2	15
2007	Fall	EDUC331 - Educational Technology and Assessment	2	26
2007	Fall	EDUC331 - Educational Technology and Assessment	2	24
2007	Fall	EDUC331 - Educational Technology and Assessment-Laboratory	0	15
2007	Fall	EDUC331 - Educational Technology and Assessment-Laboratory	0	25
2007	Fall	EDUC331 - Educational Technology and Assessment-Laboratory	0	24

## Tenure and Promotion Evidence of Teaching Effectiveness (Tenure and Promotion Input)

### Development of New Courses

Developed a new course. EDOD 692B - Technology Enhanced Learning (TEL) for the OLPC program.

Developing an OLPC certificate program called High Impact On Demand solutions.

### Development of New Teaching Techniques

Used flipped classroom methodology to teach appropriate lessons in Educational Technology and Assessment (EDUC 331)

Used Class Dojo to monitor student learning behaviors in EDUC331. Data from this system is used to teach students about learning analytics (LA)

### Integration of Service Learning

### Conference/Workshop Assessments

**Participation in Professional Development Activities Related to Teaching**

**Professional Consultation Related to Teaching**

**Other Evidence**

**ADVISING:**

**STUDENT ADVISING/GRADUATE SUPERVISION**

**UNDERGRADUATE STUDENTS:**

1 Undergraduate Advisees - 2014

**GRADUATE STUDENTS:**

Current Graduate Advisees:

DeLozier, Sarah (Ph.D.)  
Elwell-Chalmers, Stacy (Ph.D.)  
Derengowski, Amanda (Ph.D.)  
Vieanne, Alex (Ph.D.)  
Kalis, Lindsay (Ph.D.)  
Valdes-Vasquez, Rodolfo (Ph.D.)  
Haigler, Cynthia (Ph.D.)  
Derengowski, Amanda (Ph.D.)  
Hutt, Mark (Ph.D.)  
McNellis, Michael (Ph.D.)  
Sullivan, Joanne (Ph.D.)  
Watson, Kristin (Ph.D.)  
O'Barr, Gregory (Ph.D.)  
Engelke, Teri (Ph.D.)  
Stanley, Nicole (Ph.D.)  
Watchorn, Kim (Ph.D.)  
Yazdani, Reza (Ph.D.)  
Medina, Andrew (Ph.D.)  
Parks, Tracy (Ph.D.)  
Heiberger, Greg (Ph.D.)  
Hicks, Ronald (Ph.D.)  
Hussin, Ahamad (Ph.D.)  
Evans, Shawn (Ph.D.)  
Jacobs, Anthony (Ph.D.)  
Shelton, Paul (Ph.D.)  
Johnson, Brad (Ph.D.)  
Namour, Danielle (M.S. Plan A)  
Gadwa, Cheryl (M.S. Plan A)  
Smith, Leslee (None)  
Mayhoffer, Philip (None)

Current Graduate Committee Memberships (excluding those chaired):

0 # Plan C  
0 # Plan B  
2 # MS/MA  
26 # PhD

Graduate Committee Memberships (for past 5 years, not including those above)

<u>0</u>	# Plan C
<u>0</u>	# Plan B
<u>0</u>	# MS/MA
<u>0</u>	# PhD

**POSTDOCTORAL STUDENTS/RESEARCH ASSOCIATES:**

Current

McDonald, Scott (Ph.D.)

**Evaluations from Faculty and Professional Peers**

1997-1998

1999-2000

2000-2001

2001-2002

2005-2006

2007-2008

2008-2009

2010-2011

2011-2012

2012-2013

2013-2014

2014-2015

**Descriptions of Mentoring Activities**

1997-1998

1999-2000

2000-2001

2001-2002

2005-2006

2007-2008

2008-2009

2010-2011

2011-2012

2012-2013

2013-2014

2014-2015

**Other Evidence**

1997-1998

1999-2000

2000-2001

2001-2002

2005-2006

2007-2008

2008-2009

2010-2011

2011-2012

2012-2013

2013-2014

2014-2015

**OTHER ACTIVITIES/ACCOMPLISHMENTS – TEACHING/ADVISING**

***CV SECTION 4: Evidence of Outreach/Service***

**COMMITTEES**

Unizin Analytics Readiness Assessment Board, (March 2016 - Present).

Learning Collaboratory, (January 2015 - Present).

Director for The Center for the Analytics of Learning and Teaching (C-ALT), (August 2013 - Present).

Invited ISTE C distinguished lecturer - Phil Long (Learning Analytics), (August 31, 2015).

Integrated Planning and Advising Services (IPAS), (August 2013 - August 2015).

TILT Summer Conference, (January 2015 - May 2015).

Invited keynote lecturer - Phil Winne (Learning Analytics), (May 19, 2015).

Information Science and Technology Center (ISTeC) - Distinguished Lecture - John Behrens (Hosted), (2014).

IPAS BB Analytics Retreat, (July 2014 - 2014).

Information Science and Technology Center (ISTeC) Education Advisory Committee (EAC), (August 2005 - May 2014).

Information Science and Technology Center (ISTeC), (August 2005 - May 2014).

Provost's Academy for Instructional Innovation, (May 21, 2014 - May 23, 2014).

Information Technology (IT) consolidation project, (2011 - 2012).

Digital Media and Learning Task Force - The Institute for Learning and Teaching (TILT), (2010 - 2011).

CSU creates video contest, (2010).

CSU ISTE C Industry Advisory Council (IAC) fall meeting, (November 2010).

CSU ISTE C Industry Advisory Council (IAC) spring meeting, (April 2010).

CSU ISTE C Industry Advisory Council (IAC) fall meeting, (November 2009).

CSU ISTE C Industry Advisory Council (IAC) spring meeting, (April 2009).

TILT information literacy task force, (January 26, 2009).

President's Outstanding Scholars Visit Day and Department Visits, (February 2000).

College of Health and Human Sciences (CHHS) Technology Committee, (2007 - Present).

College of Applied Human Services (CAHS) curriculum committee, (2006 - 2009).

College of Applied Human Services (CAHS) curriculum committee, (2000 - 2006).

Information Technology Specialist Position, (September 7, 2015 - Present).

Digital Measures - SOE, (August 2015 - Present).

School of Education - Grievance Committee, (2014 - Present).

University Course Evaluation Redesign, (October 1, 2015 - October 6, 2015).

School of Teacher Education and Principal Preparation (STEPP) Technology Committee, (2006 - 2010).

School of Education Curriculum Committee, (2006 - 2009).

Department of Construction Management Curriculum Committee, (2000 - 2006).



Department of Construction Management Technology Committee, (1998 - 2006).

Design build team - 18th Annual Student Competition and Construction Management Conference, (February 2005).

Industrial Technology Management (ITM) Advisory Meeting, (June 1999).

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

Dyslexic Advantage Association. (August 2014 - Present).

Task Force Member, Immersive Learning Research Network - MERLOT. (February 9, 2015 - Present).

Member, International Communication Association. (February 2015 - Present).

Reviewer, Journal Article, Educational Psychology Review. (January 1, 2014 - Present).

Reviewer, Journal Article, Journal of Educational Psychology. (January 1, 2014 - Present).

Member, American Educational Research Association (AERA). (2007 - Present).

Chairperson, Cognitive Load Conference, Fort Collins, CO. (June 15, 2015 - June 17, 2015).

Task Force Member, TILT Summer Conference, Fort Collins, CO. (January 15, 2015 - April 15, 2015).

Reviewer, Journal Article, International Review of Research in Open and Distance Learning. (2012 - 2013).

Editorial Review Board Member, Journal on School Educational Technology (i-managers). (2008 - 2013).

Reviewer, Journal Article, Journal on School Educational Technology. (2008 - 2013).

Reviewer, Journal Article, First Monday. (2011 - 2012).

Member, Association of Colleges for Teacher Education (ACTE). (2007 - 2012).

Reviewer, Journal Article, International Journal of Productivity and Performance Management. (2010 - 2011).

Member, Computer Science Teacher Association (CSTA). (2009 - 2011).

Reviewer, Journal Article, International Group for Lean Construction (IGLC). (2005 - 2010).

Reviewer, Journal Article, International Journal of Construction Education and Research (IJCER). (2002 - 2010).

Member, International Group for Lean Construction (IGLC). (2000 - 2010).

Member, Lean Construction Institute (LCI). (2000 - 2010).

Editorial Review Board Member, National Association of Industrial Technology (NAIT). (2000 - 2007).

Member, National Association of Industrial Technology (NAIT). (1998 - 2007).

Reviewer, Book, Prentice Hall Publishing. (2005 - 2006).

Reviewer, Conference Paper, National Association of Industrial Technology (NAIT). (2000 - 2005).

Reviewer, Grant Proposal, National Science Foundation - metal casting solicitation. (2003 - 2004).

Editorial Review Board Member, MIM2000 Conference at Aston Business School. (2001 - 2003).

Chairperson, Responsive production and the agile enterprise, Managing Innovative Manufacturing (MIM), Birmingham, (2000).

Committee Chair, Rapid Product Development Alliance (RPDA) Northern Colorado team member, Team: Colorado State University, Fort Collins, CO. (January 2000).

Attendee, Meeting, Rapid Product Development Alliance (RPDA) Summer Meeting, Higher Education Advanced Training Center, Denver, CO. (January 28, 2000).

Conference Organizer, Rocky Mountain Unigraphics User Group Meeting, Fort Collins, CO. (November 4, 1999).

Attendee, Meeting, Rapid Product Development Alliance (RPDA) Summer Meeting, Higher Education Advanced Training Center, Denver, CO. (June 21, 1999).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

Invited Participant, Learning Analytics Summer Institute (LASI 2014), Boston, MA. (June 30, 2014 - July 2, 2014).

Task Force Member, Poudre School District’s creativity expert panel, Fort Collins, Colorado. (March 2008).

Program Coordinator, CSU - Career Horizons 2000. (June 18, 2000 - June 24, 2000).

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