

# PETER J. FADDE

Department of Curriculum and Instruction (Wham 327-J)  
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## EDUCATION

- Ph.D. Purdue University, 2002, Instructional Research and Design  
Thesis: *Interactive video training of perceptual decision making in the sport of baseball*  
Co-directors: James Lehman and Timothy Newby
- M.S. Purdue University, 1990, Instructional Design
- B.A. University of Wyoming, 1979, Broadcasting

## PROFESSIONAL EXPERIENCE

**Faculty, Department of Curriculum & Instruction, College of Education and Human Services, Southern Illinois University, Carbondale, 2003-present**

Program Director, Graduate Program in Learning Systems Design & Technology, 2011--

Professor, Learning Systems Design & Technology, 2014- present

Associate Professor of Instructional Technology and Instructional Design, Department of Curriculum & Instruction, 2009-2014

Assistant Professor of Instructional Technology and Instructional Design, Department of Curriculum & Instruction, 2003-2009

**President and Board of Directors Member, Sports Science Research Foundation:** IRS non-profit 501(c)3 granted October 2014

SSRF is a non-profit organization created to facilitate the funding of sports science research by bringing together three aspects of high-performance sports:

- 1) Academic research conducted by international sport scientists,
- 2) Access to high-performance athletes provided by college and professional teams, and sports organizations (such as USTA)
- 3) Funding provided by corporations that market products to high-performance athletes

**Athletic Video Coordinator,** Purdue University, West Lafayette, IN, 1990-2003

**Instructional Materials Developer,** C-SPAN Archives, Purdue University, West Lafayette, 1989-1990

**Audio-Video Coordinator,** Central Indiana Area Library Services Authority, Indiana State Library, Indianapolis, 1987-1989

**Freelance Video Producer,** Indianapolis Area, 1985-1987

**Video Producer,** Allied Signal (For Fisher Scientific), Pittsburgh, PA, 1984

**Audio Producer,** Fisher Scientific, Pittsburgh, PA, 1980-1983

## HONORS

- Invited Speaker, Virtual Reality in Sports Training, MIT/Sloan Conference on Sports Analytics, March 2016
- Winner, CCCC Best Publication on Pedagogy or Curriculum in Technical Communication, 2015. (co-authored with P. Sullivan)
- SIU Innovator-of-the-Year, 2013
- Juried Presenter, Evolution of Sport, MIT/Sloan Conference on Sports Analytics, March 2012
- Chair, TICL (Technology, Instruction, Cognition & Learning) Special Interest Group, American Educational Research Association, 2012-2013
- Education Division Best Paper, Inter-service/Industry Simulation, Training, and Education Conference (I/ITSEC), 2010
- Finalist, Southern Angels Business Plan Contest sponsored by Southern Tech, SIU, June 2005
- Finalist, Burton Morgan Business Plan Contest sponsored by Krannert School of Business (Purdue University), May 2003
- Big Ten Video Coordinator of the Year, 2000
- Indiana Arts Commission, selected for Artist-in-Resident Program, 1990
- Western Public Radio, National Radio Training Project, San Francisco, 1983 [Competitively selected and funded ten-day intensive radio production workshop]
- Inside Med-Lab* (audio), International Association of Business Communicators, Award of Merit, 1982
- Rocky Mountain Fiddle Contest*, Student-produced audio program, competitively selected and aired nationally on National Public Radio *Folk Festival USA* program, 1979

## PUBLICATIONS

### **E-book**

Fadde, P. (2014). *The 6<sup>th</sup> tool: Training baseball pitch recognition*. Interactive Sports Video, distributed by Amazon Digital Services, ASIN: B00PL2UOYE.

### **Articles in Professional Journals** [if multiple authors, all primary authors' names preceded by \*]

(under review). Expertise-Based Training (XBT): An Instructional Design Approach for Accelerating Development of Intuitive Decision Making. 5500 words.

\*Müller, S., Fadde, P. J., & Harbaugh, A. G. (2016). Adaptability of expert visual anticipation in baseball batting. *Journal of Sports Sciences*. (online first) DOI: 10.1080/02640414.2016.1230225

Fadde, P. J. (2016). Instructional design for accelerated macrocognitive expertise in the baseball workplace. *Frontiers in Psychology*. <http://dx.doi.org/10.3389/fpsyg.2016.00292>

\*Müller, S., & \*Fadde, P. J. (2016). The relationship between visual anticipation and baseball batting

- game statistics. *Journal of Applied Sport Psychology*, 28, 49-61. DOI:10.1080/10413200.2015.1058867
- \*Vu, P., and \*Fadde, P.J. (2014). Rings of engagement: A model for MOOC enrollment. *Journal of Global Literacies, Technologies, and Emerging Pedagogies*, 2 (3), 240-247.
- \*Vu, P., & \*Fadde, P. J. (2013). "When to talk, when to chat: Student interactions in live virtual classrooms." *Journal of Interactive Online Learning* 12 (2), 41-52.
- \*Fadde, P. J., & Sullivan, P. (2013). Using interactive video to develop pre-service teachers' classroom awareness. *Contemporary Issues in Technology and Teacher Education*, 13 (2).  
<<http://www.citejournal.org/vol13/iss2/general/article1.cfm>>
- \*Fadde, P. J., & \*Sullivan, P. (2013). Designing communication for collaboration across engineering cultures, *Connexions: International Professional Communication Journal* 1.2 (2013): 135-158.  
\* Winner, CCCC Best Publication on Pedagogy or Curriculum in Technical Communication, 2015.
- \*Fadde, P. J., & \*Klein, G. (2012). Accelerating expertise using action learning activities. *Cognitive Technology*, 17(1), 11-18.
- \*Vu, P., & Fadde, P. (2012). Traits of effective instructors in an online setting. *Bulletin of IEEE Technical Committee on Learning Technology*. 14(4), 50-52.
- \*Fadde, P. J., & \*Sullivan P. (2011). Cool and credible web video: Old rules, no rules, or new rules? *Educause Quarterly*, 34(4). <<http://www.educause.edu/EDUCAUSE+Quarterly/EDUCAUSEQuarterlyMagazineVolum/CoolandCredibleWebVideoOldRule/242818>>.
- \*Fadde, P. J., & \*Klein, G. (2010). Deliberate performance: Accelerating expertise in natural settings. *Performance Improvement*, 49(9), 5-14.
- \*Sullivan, P., & \*Fadde, P. J. (2010). Guerrilla video: Adjudicating the credible and the cool. *Writing Instructor* <<http://www.writinginstructor.com/sullivanfadde>>.
- \*Fadde, P., & \*Rich, P. (2010). Guerrilla video: A new protocol for classroom video. *Educational Technology*, 50(1), 4-8.
- Fadde, P. J. (2009). Expertise-based training: Getting more learners over the bar in less time. *Technology, Instruction, Cognition, and Learning*, 7(2), 171-197.
- Fadde, P. J. (2009). Training of expertise and expert performance (introduction to the special issue). *Technology, Instruction, Cognition, and Learning*, 7(2), 77-81.
- Fadde, P. J. (2009). Evolution of a video learning object. *eLearn Magazine*, 2009, 3, article 2.  
<<http://doi.acm.org/10.1145/1595385.1555195>>.
- \*Fadde, P. J., Aud, S., & Gilbert, S. (2009). Incorporating a video editing activity in a reflective teaching course for pre-service teachers. *Action in Teacher Education*, 31(1), 75-86.
- Fadde, P. J. (2009). Instructional design for advanced learners: Training expert recognition skills to hasten expertise. *Educational Technology Research and Development*, 57(3), 359-376. DOI (online first, 2007): 10.1007/s11423-007-9046-5.
- Fadde, P. J. (2008). Producing video learning objects for elearning. *eLearn Magazine*, 2008, 4, article 1. [lead article]. <<http://doi.acm.org/10.1145/1373281.1373283>>.

Fadde, P. J. (2006). Interactive video training of perceptual decision-making in the sport of baseball. *Technology, Instruction, Cognition, and Learning*, 4(3), 265-285.

Fadde, P. J. (2006). Delivering computer-assisted instruction without computers. *Learning Technology*, 8(3). <[http://lttf.ieee.org/learn\\_tech/issues/july2006/index.html](http://lttf.ieee.org/learn_tech/issues/july2006/index.html)>.

### **Chapters in Professional Books**

\*Fadde, P. J., & Zhou, T. (2014). Technical considerations and issues in video recording, editing, and analysis. In B. Calandra & P. Rich (eds.) *Digital video for teacher education: Research and practice*. Routledge.

\*Fadde, P. J., & Vu, P. (2014). Blended online learning: Misconceptions, benefits and challenges. In P. R. Lowenthal, C. S. York, & J. C. Richardson (eds.), *Online learning: Common misconceptions, benefits, and challenges*. Nova Science.

\*Vu, L., Vu, P., Cao, V., & Fadde, P. (2014). An exploratory study in an emerging approach to e-learning: Massive Open Online Courses (MOOC). In M. Limbu & B. Gurung (eds.) *Emerging pedagogies in the networked knowledge society: Practices integrating social media and globalization*. ISI Global. (162-174).

Fadde, P. (2013). They can't hear what they're saying: Improving pre-service teachers' spoken grammar. In A. D. Ritzhaupt & S. Kumar (Eds.), *Cases on educational technology implementation for facilitating learning* (pp. 295-307). Hershey, PA: Information Science Reference (IGI Global).

\*Fadde, P., & Peden, L. (2013). Like someone you know: Scenario-based simulation to improve academic and life skills. In A. D. Ritzhaupt & S. Kumar (Eds.), *Cases on educational technology implementation for facilitating learning* (pp. 272-294). Hershey, PA: Information Science Reference (IGI Global).

Fadde, P. J. (2010). Web-based drill-games. In A. Hirumi (Ed.), *Playing games in school: Video games and simulations for primary and secondary education* (pp. 307-331). Portland, OR: International Society for Technology in Education.

Fadde, P. J. (2009). Training complex psychomotor performance skills: A part-task approach. In K. H. Silber & R. Foshay (Eds.), *Handbook of training and improving workplace performance. Volume 1: Instructional design and training delivery* (pp. 468-507). San Francisco: Pfeiffer (International Society for Performance Improvement).

\*Fadde, P. J., & \*Sullivan, P. (2009). Video for the rest of us? Toward a sustainable process for incorporating video into multimedia composition. In D. N. DeVoss, H. A. McKee, & R. Selfe (Eds.), *Technological ecologies and sustainability: Methods, modes, and assessment*. Computers & Composition Digital Press [imprint of Utah State University Press]. <<https://ccdigitalpress>>.

### **Conference Proceedings**

Fadde, P. J. (2013). Accelerating the acquisition of intuitive decision-making through expertise-based training (XBT). *Proceedings of the Industry/Inter-service Simulation, Training, and Education Conference*.

Fadde, P. J. (2012). What's wrong with this picture? Video-annotation with expert-model feedback as a method of accelerating novices' situation awareness. *Proceedings of the Industry/Inter-service Simulation, Training, and Education Conference*.

Fadde, P. J. (2010). Look 'Ma, no hands: Part-task training of perceptual-cognitive skills to accelerate psychomotor expertise. *Proceedings of the Industry/Inter-service Simulation, Training, and Education Conference*.

•Selected as the Best Paper in Education.

### **In Progress**

Fadde, P., & Jalaieian, M. Learning with zeal: From deliberate practice & play to deliberate performance. To appear in *Oxford handbook of expertise: Research and application*. P. Ward, J. M. Schraagen, J. Gore & E. Roth (eds.). Oxford: Oxford UP. 6000 words.

Fadde, P. Developing expertise and expert performance. To appear in *Handbook of research on educational research and technology*. Bishop, M. J., Boling, E. Elen, J., & Svihla, V. (ed.) AECT and Springer. 5000 words.

(under review, peer reviewed journal). \*Morris-Binelli, K., \*Muller, S., & \*Fadde, P. J. Use of pitcher game footage to measure visual anticipation and its relationship to baseball batting statistics. 5000 words.

(ebook drafting underway) \*Fadde, Peter & \* Sullivan, P. *Feeding the teaching gene*. (working title).

### **PATENTS**

Fadde, P. J. *Interactive Video Training of Perceptual Decision-Making*. Software program and training program design. United States Patent Office application # 20070005540, assigned to Southern Illinois University, January 4, 2007.

Fadde, P. J. *Baseball Multi-tee Training System*. United States Patent Office Application filed; Provisional granted, November 2014; Full application submitted, November 2015.

Fadde, P. J. *Interactive Tennis Stroke Recognition Program*. United States Patent Office Application filed, March, 2013. Provisional granted, September 2014. Full application: No. 14/849854.

Sada, J., Fadde, P. J., and Chapa, R., Jr. *Interactive Cognitive Recognition Sports Training System and Methods*. International Patent Application # WO2012148524. February 15, 2012.

### **GRANTS RECEIVED**

Innovative Programming Grant, award to TICL-sig, AERA (2013)

SIU New Online Course Development Grant (2011)

*E-learning for HAZMAT and Emergency Response*, U. S. Department of Health and Human Services, Small Business Innovation Research Grant. James O'Brien, DETECH Corporation, principal investigator. My role: instructional design and delivery consultant (2011-2013)

International Travel Grant, SIU Graduate School (2009)

*Science, Mathematics, and Action Research for Teachers* (Erickson Mumba and Mary Wright, principal investigators), Illinois State Board of Education, curriculum consultant (2008)

International Travel Grant, SIU Graduate School (2005)

## PRESENTATIONS

### **International Conferences**

Fadde, P. J., & Sullivan, P. A. *Expertise-Based Training to align pre-service teachers' classroom awareness with that of experts*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, April 2012

Fadde, P. J. *Instructional Internet applications*. Plenary session, Fifth Conference for Professionals in Foreign Language Teaching, University of El Salvador, October 2009

Fadde, P. J. *Peer-assisted instruction: Delivering computer-assisted instruction without computers*. Fifth Conference for Professionals in Foreign Language Teaching, University of El Salvador, October 2009

Fadde, P. J. *Digital video drill-games: Locate, evaluate, integrate*. Fifth Conference for Professionals in Foreign Language Teaching, University of El Salvador, October 2009

Fadde, P. J. *Decision scoring in sports*. Poster presented at the quadrennial meeting of the International Society of Sport Psychology 11<sup>th</sup> World Congress on Sport Psychology, Sydney, Australia, August 2005

### **National Presentations Featuring Sports**

Lawson, D., & Fadde, P. *Doing damage at the plate by training pitch recognition*. Clinic presentation at the Annual Meeting of the American Baseball Coaches Association, Orlando, FL, January 2015

Fadde, P. J. *The sixth tool: Training pitch recognition in baseball*. Evolution of Sport paper presented at MIT/Sloan Sports Analytics Conference, Boston, March 2012 <video of presentation: <http://www.youtube.com/watch?v=TTQeWJrpVrw>>

Fadde, P. J. *Design-based research to improve an innovative training product*. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Louisville, October 2009

Fadde, P. J. *Design-based research on a video-simulation program to train expert recognition and anticipation skills*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, April 2009

Fadde, P. J. *Training perceptual and decision skills in sports via game-like environments*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, April 2007

Fadde, P. J. *A low physical fidelity, high cognitive fidelity approach to simulation training of expert perceptual and decision skills*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, April 2007

Fadde, P. J. *Pitch recognition: Don't just preach it; teach it*. Presentation at American Baseball Coaches Association, National Meeting, Nashville, January 2005 (featured speaker)

### **National Presentations Featuring Expertise & Training**

Fadde, P. *From lab to cage: Turning the occlusion research method into a sports training program*. Paper presented at the Bi-annual International Conference on Naturalistic Decision Making, Washington DC June 2015

Fadde, P. J., Razer, A., & Blair, L. *Accelerating expert noticing in classroom teaching, nursing, and academic coaching*. Paper presented at Association of Educational Communications and Technology 2015 Annual Conference, Indianapolis, November 2015

Fadde, P. J. *Accelerating the acquisition of intuitive decision-making through expertise-based training (XBT)*. Paper presented at the annual Inter-service/Industry Simulation, Training, and Education Conference, Orlando, December 2013

Fadde, P. J. *What's wrong with this picture? Video-annotation with expert-model feedback as a method of accelerating novices' situation awareness*. Paper presented at the annual Inter-service/Industry Simulation, Training, and Education Conference, Orlando, December 2012

Fadde, P. J., Gibbons, A., & Boling, E. *Principles and precedent in the education of expert instructional designers*. Featured panel presented at the annual meeting of the Association of Educational Communications and Technology, Louisville, November 2012

Fadde, P. J. *Recognition Primed Decision-Making Training (RPD) as a model for training perceptual-cognitive skills in tennis and baseball*. Paper presented at the annual International Conference on Naturalistic Decision Making. Orlando, June 2011

Fadde, P. J. & Klein, G. *Accelerating expertise using action-learning exercises*. Paper presented at the annual International Conference on Naturalistic Decision Making. Orlando, June 2011

Fadde, P. J. *Model-based feedback in a video analysis activity to align novice and expert vision of student learning and discipline behaviors*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, April 2011

Fadde, P. J. *Look 'Ma, no hands: Part-task training of perceptual-cognitive skills to accelerate psychomotor expertise*. Paper presented at the annual Inter-service/Industry Simulation, Training, and Education Conference, Orlando, December 2010

Fadde, P. J. *Expertise-based training: Applying expertise research to the training of expertise*. Paper presented at the annual meeting of the American Educational Research Association, Denver, May 2010

Fadde, P. J. *Research and training of expertise and expert performance*. Chair and discussant for symposium at the annual meeting of the American Educational Research Association, Denver, May 2010

Fadde, P. J. *Hybrid human-computer interaction in an interactive video program*. Paper presented at the annual meeting of the American Educational Research Association, Denver, May 2010

Fadde, P. J. *Expertise-based training (XBT): Theory into practice*. Presidential session presented at the annual meeting of the Association of Educational Communications and Technology, Louisville, October 2009

Fadde, P. J. *Design and Development Showcase: Training perceptual-cognitive components of complex psychomotor performance*. Juried showcase at the annual meeting of the Association of Educational Communications and Technology, Louisville, October 2009

Fadde, P. J. *A systematic approach to training expert recognition skills*. Paper presented at the AECT Summer Research Symposium, Bloomington, IN, June 2008

### **National Presentations Featuring Educational Technology, E-Learning, & Teacher Education**

Fadde, P. J. *Prove it or improve it: Video in teacher education and assessment*. Paper presented at the Annual Meeting of the Association of Teacher Educators, St. Louis, MO, February 2014

Phu, V., & Fadde, P. J., *Technology integration training in Illinois and Nebraska teacher education programs*. Paper presented at the Annual Meeting of the Association of Teacher Educators, St. Louis, MO, February 2014

Fadde, P. J. *Do you see what I see? Interactive video to train novice teachers' classroom awareness*. Presentation at the annual meeting of the American Educational Research Association, San Francisco, April, 2013 (poster)

Mejia, W., & Fadde, P. J. *One-to-one laptop implementation in El Salvador*. Presidential session presented at the annual meeting of the Association of Educational Communications and Technology, Louisville, November 2012

Fadde, P. J. *Synchronous online learning in graduate education*. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Louisville, November 2012 (roundtable)

Fadde, P. J., & Ertmer, P. *Expertise and the education of professional instructional designers*. Panel discussion presented at the annual meeting of the Association of Educational Communications and Technology, Jacksonville, November 2011

Fadde, P. J. *Blending in-class and online students in a live virtual classroom*. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Jacksonville, November 2011 (roundtable)

Fadde, P. J. *Incorporating a digital video project into a business writing course*. Paper presented at the annual meeting of the Association of Educational Communications and Technology, Anaheim, October 2010

Fadde, P. J. & Sullivan, P. *Production of video learning objects by graduate instructors of a professional writing course*. Paper presented at the annual meeting of the American Educational Research Association, Denver, May 2010

Fadde, P. J. *Video in teacher education and research*. Chair and organizer of symposium at the annual meeting of the American Educational Research Association, Denver, May 2010



- Fadde, P. J. *Video in teacher preparation and practice*. Chair and organizer for symposium at the annual meeting of the American Educational Research Association, San Diego, April 2009
- Fadde, P. J., Aud, S., & Gilbert, S. *Improving the critical reflection of pre-service teachers using a video editing activity*. Paper presented at the annual meeting of the American Educational Research Association, New York City, March 2008
- Fadde, P. J. *Client/consultant: Student-generated scenario-based learning*. Paper presented at the annual meeting of the American Educational Research Association, New York City, March 2008 (roundtable)
- Fadde, P. J., Sarmiento, R., & Arevalo, J., Jr. *Low physical fidelity, high cognitive fidelity simulation training*. Paper presented at Society for Applied Learning Technologies, New Learning Technologies Conference, Orlando, February 2007
- Fadde, P. J. *Drivers' Roll: A situation awareness game for young drivers*. Display and presentation at Exploring the World of Play: The Gaming Table at the annual meeting of the Association for Educational Communications and Technology, Dallas, October 2006
- Fadde, P. J. *Peer-assisted instruction: Simulating computer-assisted instruction as a prototyping and instructional method*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, April 2006 (roundtable)
- Fadde, P. J. *Personal broadcasting in practice: Talk n' Jazz*. Panel discussion presented at New Media Consortium On-line Conference on Personal Broadcasting, March 2006
- Fadde, P. J. *Disc-based interactive learning: Past, present, and future*. Paper presented at the annual meeting of the Association for the Advancement of Computing in Education, E- Learn 2004, Washington D.C., September 2004
- Fadde, P. J. *Interactive video training of perceptual decision-making in the sport of baseball*. Paper presented at Society for Applied Learning Technologies, Conference on Training, Education & Job Performance Improvement, Washington D.C., August 2004

## TEACHING

### Courses

#### Design and Delivery of eLearning [CI455]

Looks at electronically delivered instruction in corporate and higher education systems.

*Innovations:* Course involves a full-class, real-world consulting project. Students consult with on-campus faculty "clients" to develop an online course ready for delivery using the university's learning management system (D2L) and synchronous web conferencing tool (*Adobe Connect*).

#### Consulting in Learning Systems Design & Technology [CI553]

[redesigned to focus on multimedia projects] Theories of learning and instruction are applied to the systematic design, development, and evaluation of performance improvement through training. An authentic client drives a course-long group design project. Have worked to develop and test a number of online initiatives for the Center for Excellence in Teaching.

*Innovations:* Have developed eConsulting Clients in order to expand the potential clients from campus to everywhere and also to help students learn to conduct distance instructional development work (this is more and more common and requires instruction and experience). Online Clients have included Athlete's Performance based in Arizona (an expanding professional sports academy that needs online social media

training to maintain its level of consulting) and Dr. Marian Home Eldercare based in California (an online healthcare assistant training program).

### Learning Models for Instructional Design [CI540]

[originated course] Surveys models of learning as they apply to the fields of Instructional Design and Instructional Technology. Models ranging from behaviorism to constructivism are covered along with theories concerning cognitive development and motivation. Theories are applied to analyzing instructional situations.

*Innovations:* CI 540 has evolved a form of simulation in which students act as both clients and consultants in applying their emergent knowledge of theories of learning and instruction. The student/clients create learning problem scenarios for which a peer acts as Learning Consultant. Each CI 540 student is a consultant for one peer and a client for another peer.

### Web Applications for Teachers [CI482]

[originated as computer lab course; later redesigned for online delivery] Redesign supported by a grant for designing and delivering online courses to appeal to working teachers. The fully online course was delivered for the first time in summer 2012 and was the Curriculum & Instruction department's most popular online course.

*Innovations:* CI 482 blends asynchronous online learning using the university LMS and synchronous online learning using *Adobe Connect*.

### Interactive Instructional Multimedia [CI484]

Interactive Multimedia for Learning, An introduction to the evaluation, design, and development of interactive instructional multimedia programs. The instructional methods of Tutorial, Drill-and-Practice, Simulation and Educational Games are covered. Instructional theory and design aesthetics are included. Projects include designing, developing, and use-testing interactive instructional multimedia programs.

### Instructional Games and Simulations [CI400]

Instructional Games and Simulations. Analyzes the use of simulation and games as instructional methods in both educational and training contexts. Includes projects involving the design and development of an instructional game or simulation.

### Instructional Product Development [CI585N]

[originated course] Takes an interactive learning product--usually a game or a computer program--through the stages of concept, mock-up, alpha testing, and beta testing.

### Video Production [CI452]

Video has long been an essential medium for teaching, training, and communications. Recent advances in video on the Internet make video even more important in many eLearning contexts. This course is an intensive workshop that provides a thorough understanding of video formats and production techniques.

## **Ph.D. Committees**

Director, Doctoral Thesis Committees (11 Completed):

Heidy Carruthers, PhD, April 2013 *Effects of the affordances of a virtual environment on second language oral proficiency* [Assistant Professor, Southern Illinois University, Edwardsville]

Vien Cao, PhD, April 2014 *Effects of speaker's accent in a multimedia tutorial on non-native students' recall, learning transfer, and attitudes* [recipient of Dissertation Research Assistantship, 2012-13, g.a., TQE lab; Co-winner, Cummings Award, 2011]

Roman Sarmiento, PhD, March 2014 *Effects of using video, audio-only, or mixed channels for*

*vicarious learner interactions in a synchronous eLearning environment* [recipient of Dissertation Research Assistantship, 2012-13, g.a., TQE lab; Co-winner, Cummings Award, 2011]

Marcelene Cunningham, PhD, December, 2015 *Using screencasting to provide audio feedback on students' argumentative essays* [g.a., Med-Prep; Co-winner, Cummings Award, 2011; online education developer, North Park College]

Firm Faith Nelson Watson PhD, February 2016 *Formative evaluation of online and blended courses: A mixed method study*, [Instructional designer, Center for Excellence in Teaching, Indiana University, South Bend]

Lisa Blair, ABD, (Defense set: April 2016) *Implementing expertise-based training methods to accelerate the development of peer academic coaches*

Abby Razer ABD, *Video enhanced patient simulators in nursing education* [g.a., University Tech Support]

Khalid Almalhy, ABD, *Increasing learner motivation and the quantity and quality of asynchronous discussion by adding live virtual classroom discussion in blended learning*

Rasheta Fateen, ABD, *Using inquiry-based teaching strategies for improving the implementation of computer simulation-based instruction of science concepts*

Adam Al Sultan, ABD, *The relationship between pre-service elementary teachers' scientific literacy and self-efficacy in teaching science*

#### Co-Director, Doctoral Thesis Committees:

William Mejia, PhD 2010, *Effects of abstract versus concrete visual representations in an instructional simulation on students' declarative knowledge, learning transfer, and perceptions of the simulation* [Educational Technology Director, Ministry of Education, El Salvador and winner of AECT Presidential Dissertation Award]

Qiuyun Wang, PhD 2005 *Impact of logographic language on computer icon perception* [China]

#### Member, Doctoral Thesis Committees:

At SIU

Ali Alqarni, Teacher Leadership, PhD 2016

Regina Kaplan-Rakowski, Learning Systems Design and Technology, PhD 2016

Christopher Clemons, Agriculture, PhD 2015

Janette Howard, Teacher Leadership, PhD 2014

Rodney Greer, Educational Psychology and Special Education, PhD 2014

Lan Vu, English, PhD 2014

Kimberly Johnson-Harris, Educational Psychology and Special Education, PhD 2014

Bilal Younis, Instructional Design/Instructional Technology, PhD 2012

Jaehwan Byun, Instructional Design/Instructional Technology, PhD 2012

Peter Makiriyado, Workforce Education and Development, PhD 2012

Catherine Kyeyune, Workforce Education and Development, PhD 2011

Susanne Ashby, Teacher Leadership, PhD 2008

Yung Soo Kim, Journalism, PhD 2008

Angel Davila, Teacher Leadership (in process)

Yahya Assiri, Science Education (in process)

At Other Universities

Paul Larkin, (University of Ballarat, Australia) - Sport Science, PhD, 2012

David Albin, (Purdue University) – Sports Communication, PhD 2009

Alexandra Hidalgo (Purdue University) – Video and Rhetoric, PhD 2013

Hatice Sancar (Middle East Technical University-Turkey) -- Instructional Simulators, PhD 2011

## SERVICE TO THE PROFESSION

### **Offices Held and Honors Awarded in Professional Associations**

Chair, Technology of Instruction, Cognition, and Learning SIG, American Educational Research Association (2012-2013)

Program Chair of Technology, Instruction, Cognition, and Learning SIG, American Educational Research Association (2011-2012); Asst. to Program Chair (2010-2011)

President, Indiana Film and Video Council (1989-1990)

### **Evaluation of Manuscripts [Journals, Book Publishers, and Grant Proposals for Agencies]**

Review of manuscripts for *Teaching and Teacher Education*, 2014-present

Review of manuscripts for *Frontiers in Psychology*, 2015-present

Review of manuscripts for *Sport, Exercise, and Performance Psychology*, 2015

Review of manuscripts for *Ergonomics*, 2015-present

Review of manuscripts for *Journal of Computing in Higher Education*, 2012-present

Review of manuscripts for *Behavior & Information Technology*, 2011

Review of manuscripts for *Journal of Teacher Education*, 2010-present

Review of entries for *Encyclopedia of the Sciences of Learning*, 2010

Guest Editor Special Issue of *Technology, Instruction, Cognition, and Learning* on "Training of Expertise and Expert Performance," 2009

Editorial board of *International Journal of Cyber Behavior, Psychology and Learning*, 2009- present

Review of manuscripts for *Technology, Instruction, Cognition, and Learning* journal, 2009- present

Review of manuscripts for *Educational Technology Research and Development* journal, 2009- present

Evaluation of conference proposals for annual meeting of American Educational Research Association: Instructional Technology special interest group, 2006-present

Evaluation of conference proposals for annual meeting of American Educational Research Association: Technology, Instruction, Cognition, and Learning special interest group, 2005-present

Evaluation of conference proposals for annual meeting of Association of Educational Communications and Technology: Design and Development interest group, 2005-present

### ***Professional Service to SIU includes***

Coordinator, Graduate Program in Learning Systems Design & Technology (2011-present)

Coordinator, Teacher Quality Enhancement Lab (2009-present)

Chair, Promotion Committee, Dr. Sebastian Loh (2015)

Chair, Promotion Committee, Dr. Crystal Shelby-Caffey (2105)

Chair, Departmental Personnel Committee (elected, 2011-2013)

Chair, Promotion Committee, Dr. Kelly Glassett (2012)

Chair, Search Committee, Department Chair (2007)

Member, Tenure and Promotion Committee, College of Education and Human Services

Member, Curriculum & Instruction Interim Chair Search Committee (2015)

Member, Science/Science Education faculty search committee (2015)

Member, Hybrid & Off-Campus Teaching & Learning Task Force (2015)

Member, edTPA Vision Committee (2012-2013)

Member, ad hoc Committee to Implement Teacher Education Candidate Assessment (2012)

Member, University Search Committee, Director, University Center for Teaching Excellence (2012)

Member, University Search Committee, Vice Provost for Information Services and Technology (2011-2012)

Member, Curriculum & Instruction Chair Search Committee (2013)

Member, University Intellectual Property Committee (2011-present)

Member, College Marketing Committee (2009-2013)

Member, Intercollegiate Athletics Advisory Board (2006-2008)

Member, Search Committee, Dean, College of Education and Human Services (2006-7)

### ***Membership in Professional Associations***

American Educational Research Association (September 2003-present)

Association for Educational Communications and Technology (August 2003-present)

Association for the Advancement of Computing in Education (September 2003- September 2004)

## **OTHER PROFESSIONAL ACTIVITIES**

### ***Professional Publications***

Winner "Web Ball Challenge" Summer 2014. Richard Todd's Webball website. <video taken down because of his death>

### ***Sports Consultantships***

Cincinnati Reds, MLB, tested pitch recognition on minor league players, 2016 and 2017

Southern Illinois U intercollegiate baseball, created pitch recognition occlusion video, Fall 2014

Southeast Missouri U intercollegiate baseball, ongoing pitch recognition training, Fall 2013-present

Tampa Bay Rays, MLB, collaborated with Sean Muller to validate pitch recognition test, Spring 2014  
Houston Astros, MLB, assisted in planning pitch recognition training for minor leagues, Spring 2013 & 2014

Pittsburgh Pirates, MLB, presented to their coaching staff (major and minor leagues) on pitch recognition and plate discipline, Spring 2013

University of Louisiana, Lafayette, Varsity Softball (NCAA Regionals Winner), consultation with coaching staff on pitch recognition training, Summer 2013

Axon Potential, Portland, OR, consultation on sports science & product development, Fall 2009-present

Orleans Firebirds, Cape Cod Summer League Baseball Team, tested pitch recognition, Summer 2014

Cotuit Kettleers, Cape Cod Summer League Baseball Team, tested and tracked pitch recognition, Summer 2012, trained pitch recognition, Summer 2013, tested pitch recognition, Summer 2014

Win Forever Foundation, Seattle, WA, consultation on ethics training for high school football coaches, 2010-2012

Southern Illinois University, designed and ran occlusion training on return-of-serve for women's intercollegiate tennis team, Fall 2008

Elder Health Resources of America, Los Angeles, evaluated training modules for online caregiver certification, Summer 2008

Purdue University, designed video-based recognition training program for defensive unit of football team, Fall 2007

Indianapolis University-Purdue University at Indianapolis, conducted interactive video training of pitch recognition for varsity softball team, Winter 2006

XOS Corporation, reported on research in virtual reality training of expert sports skill presented at International Society of Sport Psychology 11<sup>th</sup> World Congress on Sport Psychology, Summer 2005

Southern Illinois University, developed and conducted video-based decision training for defensive football players, Spring 2005

### **Press Coverage**

"2017 Winners: 16 unique products are tremendous advances for game of baseball" *Collegiate Baseball*, Jan. 27, 2017.

Matter, D. (2016, July 10). Pitch recognition program helped change SEMO baseball. *St. Louis Post-Dispatch*. [http://www.stltoday.com/sports/college/mizzou/eye-on-the-tigers/pitch-recognition-program-helped-change-semo-baseball/article\\_95c80e02-c7c0-521a-8eb4-347424978638.html](http://www.stltoday.com/sports/college/mizzou/eye-on-the-tigers/pitch-recognition-program-helped-change-semo-baseball/article_95c80e02-c7c0-521a-8eb4-347424978638.html)

Matter, D. (2016, July 8). Bieser brings fresh ideas to Mizzou baseball. *St. Louis Post-Dispatch*. [http://www.stltoday.com/sports/college/mizzou/bieser-brings-fresh-ideas-to-mizzou-baseball/article\\_53eb1830-9abb-52f5-b3d2-f2a7ca76cb1e.html](http://www.stltoday.com/sports/college/mizzou/bieser-brings-fresh-ideas-to-mizzou-baseball/article_53eb1830-9abb-52f5-b3d2-f2a7ca76cb1e.html)

"Alumni Profile," article in *Purdue Alumnus*, March/April 2016, pg. 67. <http://www.purduealumni.org/alumnus/magazine/?i=292417>

"Pitch recognition training pays off for Redhawks," article in *Collegiate Baseball*, September 5, 2014, pg. 9.

“Pitch recognition can be done by hitters,” article in *Collegiate Baseball*, March 12, 2014, pg. 1.  
[http://baseballnews.com/pitch-recognition-can-be-done-by-hitters/?utm\\_source=rss&utm\\_medium=rss&utm\\_campaign=pitch-recognition-can-be-done-by-hitters](http://baseballnews.com/pitch-recognition-can-be-done-by-hitters/?utm_source=rss&utm_medium=rss&utm_campaign=pitch-recognition-can-be-done-by-hitters)

“Baseball Pitch Recognition Featured at MIT Sloan Sports Analytics Conference, article in *Bleacher Report* by Dan Peterson, March 1, 2012. <http://bleacherreport.com/articles/1087315-baseball-pitch-recognition-featured-at-mit-sloan-sports-analytics-conference>

“MIT Sports Analytics Conference 2012, Day 1,” by Mateo Fischer  
<http://mateofischer.mlblogs.com/tag/peter-fadde/>

“From bio-diesel to baseball: Technology transfer at SIUC casts a wide net,” article in *Perspectives*, Fall 2007, pg. 8-11. [www.siu.edu/~perspect/07\\_fall/biodiesel.pdf](http://www.siu.edu/~perspect/07_fall/biodiesel.pdf)

“Pitch recognition program offers to help batters,” article in *Southern Spotlight*, June 13, 2007.  
<http://spotlight.siu.edu/06132007/Pitch-recognition.html>

“Talk n’ Jazz: Professor combines music and coffee for Internet radio show at Starbucks,” article in *Daily Egyptian: Pulse*, April 6, 2006, pg. 9.

“TECH Focus: Perceptual Decision Making,” article in *Southern Tech Innovation to Enterprise* (October 2005). [http://www.southerntech.org/newsletters/TECHBytes\\_10.05.htm](http://www.southerntech.org/newsletters/TECHBytes_10.05.htm)

### **Community Service**

Jazz music program host, WDBX community radio, Carbondale, IL (2005-2015)

Talk n’ Jazz, jazz music listening, lecture [student union] and podcast (<http://ci.siu.edu/podcasts/fadde/>), Southern Illinois University (2006-2007)

Judge, Indiana State Media Contest (1998)

Teacher, Creative Video, Gifted and Talented Super Saturday Program, Purdue University (1994)

Artist in Residence, Media Arts in the Schools, Indiana Arts Commission (1990). Ran programs at Hamilton-Southeastern High School (Pendleton Heights, IN), Craig Middle School (Indianapolis, IN) and Kingston Elementary (Fortville, IN).

Indiana Arts Commission Media Arts Advisory Panel (1989-1990), judge applications for Grants in Media Arts

References Available Upon Request

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