Address: University of Oklahoma Educational Psychology 820 Van Vleet Oval Rm 323B Norman, OK 73019-2041 USA Phone [Work]: (405) 325-1569 Phone [Cell]: (315) 395-4480 Fax: (405) 325-6655 E-mail: eseryel@ou.edu URL: http://education.ou.edu/eseryel/

# **Deniz Eseryel**

Last Updated: July 23, 2011

Research Emphasis	<ul> <li>learning and of domains, espicient complex, ill-st</li> <li>Assessing provide (i.e., assessming)</li> <li>Issues related environments simulations, v</li> <li>Designing and</li> </ul>	I to designing and implementing le development of expertise in compl ecially STEM domains (i.e., instruc- ructured problem solving skill acque ogress of learning in complex, ill-st ent of complex problem solving skill to designing and implementing a such as dynamic modelling platfo irtual (synthetic) learning environm d implementing interventions to su nplementing educational technolo	ex, ill-structured knowledge ctional design to promote uisition) tructured knowledge domains kill acquisition) dvanced interactive learning orms, computer-based nents, and digital games. pport K-12 teachers and faculty			
Education	1999 - 2006	Syracuse University	Syracuse, NY			
	Ph. D. Instruct	Ph. D. Instructional Design, Development, & Evaluation				
	<ul> <li>Received 'Ou</li> </ul>	tstanding Dissertation Research A	ward' from Syracuse University			
	<ul> <li>Ph.D. Emphasis: Instructional design and development; online teaching and learning; advanced learning technologies; technology integration into teaching</li> </ul>					
	<ul> <li><u>Dissertation Title</u>: Expert Conceptualizations of the Domain of Instructional Design: An Investigative Study on the DEEP Assessment Methodology for Complex Problem-Solving Outcomes</li> </ul>					
	Chair: Dr. Philip L. Doughty					
	Committee Members: Dr. J. Michael Spector & Dr. Jerry W. Klein					
	1997 - 1998	University of Twente	Enschede, The Netherlands			
	M. Sc. Educational & Training Systems Design					
	<ul> <li>Graduated Cum Laude, top of my class</li> </ul>					
	<ul> <li>M.Sc. Emphasis: Instructional design, instructional technology, performance engineering, teacher education, &amp; school reform</li> </ul>					
	<ul> <li><u>Masters Thesis Title</u>: Construction of a WWW-based learning environment to support acquisition of instructional design theories.</li> <li>Promoter &amp; Chair: Prof. Dr. Sanne Dijkstra</li> <li>Committee Member: Prof. Dr. Betty Collis</li> </ul>					
		ornbort i foit Dr. Doug Como				
		Middle East Technical Univ	•			
	<b>B. Sc. Science Education / Mathematics Teaching</b>					
	<ul> <li>Graduated with High Honor, second of my class</li> </ul>					
	Dual Degree in Mathematics & Mathematics Education					
	<ul> <li>Minor in Com</li> </ul>	puter Science				

Academic & Professional Experience	Technology (IPT)	lucational Psychology [Instruc			
	05/2006 – 07/2007	Syracuse University	Syracuse, NY		
		search Associate	opt 8 Evoluction (IDD8E)		
	- Department of m	structional Design, Developme	ent, & Evaluation (IDD&E)		
		Syracuse University	Syracuse, NY		
	Teaching Associa				
	<ul> <li>Department of Instructional Design, Development, &amp; Evaluation (IDD&amp;E)</li> </ul>				
	01/2000 - 10/2002	University of Bergen	Bergen, Norway		
	<b>Research Associ</b>	ate			
	(ADAPT <sup>IT</sup> ) Projec	n Approach for Personalized T t funded by the European Uni gy Program (5 <sup>th</sup> Framework)	raining - Interactive Tools on Commission Information		
	10/1999 – 02/2001 Instructional Des	Center for Business Inform igner	nation Technologies (CBIT) Syracuse, NY		
	-	veloped a number of certificat in classroom- and in distance			
	08/1998 – 05/1999	Advanced Computing Mar	agement (ACM)		
	Educational Tech	nologist	Amsterdam, The Netherlands		
	information techn	veloped staff development pro ology for distance delivery; tra ive and summative evaluation			
	08/1997 – 08/1998	University of Twente	Enschede, The Netherlands		
	Graduate Resear	ch & Teaching Assistant			
	College of Education				
	08/1995 – 08/1997 Türkiye	Arı College	Ankara,		
	<b>Mathematics Tea</b>	acher			
	<ul> <li>Taught several m</li> </ul>	athematics courses (in Englis	h) to Grades 6 through 12		
Research	01/2008 – Present	University of Oklahoma	Norman, OK		
<b>Projects</b>	<b>Co-Principal Inve</b>	•			
-		d Training in Medicine			
	training program students, residen between Dr. Mikio	at OU Health Sciences Cen ts, doctors, and nurses. Thi o Nihira, Dr. Katie Smith, & Ba	nplementing a simulation-based ter to be used by undergraduate s project is a collaborative effort arbara O'Brian at OU HSC and Dr. ment of Educational Psychology.		

08/2008 - 12/2008 University of Oklahoma

### Principal Investigator -

## **Cognitive Processes Underlying Model-Based Learning**

 A comparison of three alternative conceptualizations of model-based learning (i..e., learning from models, learning by modelling, & model-facilitated inquiry learning) on their effectiveness to support learning and complex problem skill acquisition in science education with ninth-grade students.

01/2008 – 08/2008 University of Oklahoma

Norman, OK

Norman, OK

## Principal Investigator -

## Instructional Design for Computer-Based Interactive Learning Environments

 Comparison of the effectiveness of two instructional design approaches for developing computer-based interactive learning environments to support complex problem skill acquisition and achievement in ninth-grade interdisciplinary science and mathematics education: Model-based learning versus problem-based learning.

08/2007 – 12/2007 University of Oklahoma

Norman, OK

## **Principal Investigator -**

## Design-Based Research on Digital Game-Based Learning: Impact on Students' Complex Problem Solving Skill Acquisition, Motivation, & Mathematics Achievement

 Investigated the impact of the McLarin's Adventures, an MMOG developed by the K20 Center, on around 400 9<sup>th</sup>-grade students at Shawnee High School in order to investigate the impact of digital game-based learning on student motivation, problem solving, and critical thinking skills to arrive at design principles to guide effective digital game-based learning.

## 05/2006 – 07/2007 IDD&E, Syracuse University Syracuse, NY

## **Research Associate -**

## Enhanced Technology Integration Support for K-8 Educators *(ENTISE)* Project

 Designed, developed, implemented, and investigated an integrative approach to supporting teachers' technology integration efforts in the areas of Mathematics, Science, and Reading & Writing

09/2003 – 05/2004 Center for Digital Literacy Syracuse, NY

## External Program Evaluator -

## S.O.S. (Situation Outcome Strategies) for Information Literacy Project

 S.O.S. for Information Literacy Project (<u>http://www.informationliteracy.org</u>) led by Prof. Ruth Small; a 3-year project dedicated to improving the teaching of information literacy and research skills of children through the development of a Web-based database of multimedia enhanced lesson plans, contributed by and shared among classroom teachers and library media specialists throughout the world.

06/2001 – 12/2001 College Center of Finger Lakes (CCFL) Corning, NY **Principal Investigator -**

## eLearning Research Project

 Identified and evaluated existing technologies that support development of Webbased courses and programs for the CCFL, a New York-based consulting company, which was interested in developing a strategy on advising other organizations on the best blend of e-learning solutions that meets their organizational and technical requirements. Led a team of instructional designers at the CCFL to develop a conceptual evaluation framework, categorize and evaluate nearly one hundred e-learning products.

10/1999 – 08/2001 Information Society Technology Program (5<sup>th</sup> Framework) European Union Commission

## **Research Associate -**

## Advanced Design Approach for Personalized Training- Interactive Tools (ADAPT<sup>T</sup>) Project http://www.adaptit.org/

Collaborated with several researchers across Europe including Prof. Jeroen van Merriënboer, Prof. Mike Spector, and Dr. Jelke van der Veen to produce ICT-based tools for training designers, embodying a training methodology for personalized training that is based on cognitive science and which optimizes the integrated use of ICT Training technologies. The training method was validated in two domains: Aircraft Maintenance and Air Traffic Control. Researchers from University of Bergen/Norway, Open University of Netherlands, the Dutch Aerospace Laboratory, Euro Control & the Swedish Air Traffic Control Academy also collaborated in this project. A commercial version of the tool is available from www.enovateas.com

#### 06/1997 – 08/1998 University of Twente

Enschede, The Netherlands

## **Research Assistant -**

## *Tele-Learning at Toegepaste Onderwijskunde (TeleTOP) Project* http://www.teletop.nl/en/

Collaborated with a team of instructional designers, researchers, and developers led by Prof. Dr. Betty Collis in the design, development, and implementation of the TeleTOP Project, which aimed at systematically supporting the professional development of faculty in terms of potential applications of telematics in their teaching, and to further support the redesign of all of its courses so that the faculty become more experienced, more enriched, and more flexible via innovative and appropriate applications of telematics, particularly WWW-based tools and environments. TeleTOP Project pioneered with one of the first fully-customizable learning management systems. TeleTOP tools and technologies are still evolving and have been adapted by companies like Shell, Inc.

Consulting /	08/2003 - 05/2004	Training Systems Institute	Syracuse, NY	
<b>Design &amp;</b>	Instructional Des	signer -		
Development	Competency-Based & Web-based Training Program Developm			
Projects	appropriate asse help accommod managers and a	eveloped a competency-based traini essment modules for Cendant Hotel ate variances in the skill and knowle ddress differences between differen Inc. This goal is achieved by a team	Group, Inc. that would dge levels among hotel t hotel brands operating	

 Creating a Competency Catalog for New Hire General Managers/Owners (Competency clusters listing competency statements and assessment items and/or process to determine mastery of competencies).

- o Grouping competencies into instructional modules.
- Developing tests and/or process for identifying modules a new hire general manager needed to take.
- Creating competency identification and assessment development methods and process that could be used by Cendant staff in future competency-based training development projects.
- Conducting a benchmark study of hotel GM training programs across the industry including Holiday Inn, Marriott, Hampton Inn, Choice, etc.
- Designing and assisting development of highly interactive, Web-based training courses parallel to the new competency-based training program.

## 06/2002 – 08/2002 Training Systems Institute Syracuse, NY Instructional Designer -

## Workshop on Human Resources Development & Learning Organization for BKKBN

Led the design, development, and facilitation of a training program for the managers and training facilitators of the Indonesian National Center for Family Planning (BKKBN), which is responsible for the development of reproductive health and family planning programs in Indonesia. This training program included Human Resources Development, Performance Engineering, Strategic Management, Knowledge Management, and Learning Organizations as well as field-based experiences targeted to address the specific HRD&M requirements of BKKBN. Upon the completion of their training program, I assisted BKKBN officials to develop a plan for the "BKKBN University Learning Organization"

## 06/2002 – 07/2002 Training Systems Institute

Syracuse, NY

## Instructional Designer -

## *Workshop on Effective Communication in Diverse Contexts for Agway, Inc.*

Led the design and development efforts and assisted in facilitation of the workshop entitled, "The Synthetic Culture Simulation Exercise" which aimed at cultivating critical awareness of the relationship between people's communication as individuals and their membership in particular cultural groups. This workshop is conducted for approximately 250 executives of Agway, Inc. engaging them in an intense cultural simulation exercise. In accordance with the rules of the exercise the executives were divided in four (Alfa, Beta, Delta, Gamma) synthetic culture groups. Each group represented a differing cultural/communication pattern. The participants, under the guidance of the workshop group leaders, interacted and engaged in problem solving with those who have different styles of communication from them. They were able to observe how communication obstacles and conflicts arise from different cultural patterns and meanings. The participants were provided with the opportunity to 'try-out' different communicative strategies to solve these communication conflicts.

## 10/1999 – 08/2000 Merrill Lynch

Princeton, NJ

## **Instructional Designer -**

## Web-Based Training Program

 Conducted needs assessment for Merrill Lynch, which aimed at streamlining the effectiveness of training and utilizing the advantages of the World Wide Web as an emerging and competitive tool for training. Needs assessment resulted in a proposal for the Web-based training strategy for Merrill Lynch, which led to the design and development a series of Web-based courses for Merrill Lynch. Collaborated with two other instructional designers during the analysis, design, and development phases. Analysis phase included content, learner, and contextual analyses, which resulted in specification of learning objectives, task analysis, instructional strategies and tactics. Design phase included the design specifications of Web-based training environment and the content design. The design phase resulted in design specifications for individual modules and screen designs, which were translated into high-level design of the Web-based training course. The final development phase adopted a rapid prototyping approach and included development of the Web-based training course and the multimedia components. A series of formative evaluations were conducted to make sure the final product is effective and meets the requirements of the clients.

## **Publications** Books

## **Books / Book Chapters**

- Ifenthaler, D., Eseryel, D., & Ge, X. (Eds.) (09-2011). Assessment in Game-Based Learning: Foundations, Innovations, and Perspectives. New York: Springer. [Edited Book]
- Eseryel, D., Guo, Y., & Law, V. (in print for 2011). Bridging three levels of interactivity in educational game design to promote student motivation and complex problem-solving skills. In H. Wang (Ed.). *Interactivity in e-learning: Case studies and frameworks*. IGI Global. [Empirical]
- Eseryel, D., Ifenthaler, D., & Ge, X. (2010). Alternative assessment strategies for game-based learning environments. In D. Ifenthaler, Kinshuk, P. Isaias, D. G. Sampson, & J. M. Spector (Eds.), *Multiple perspectives on problem solving and learning in the digital age* (pp. 159-178). New York: Springer. [Empirical]
- Eseryel, D., Eseryel, U. Y., & Edmonds, G. S. (2005). Knowledge management and knowledge management systems. In M. D. Lytras & A. Naeve (Eds.), Intelligent learning infrastructures for knowledge intensive organizations: A Semantic web perspective (pp. 105-145). Hershey, PA: IDEA Group Publishing. [Conceptual]
- Klein, J. & Eseryel, D. (2005). The corporate learning environment. In M. D. Lytras & A. Naeve (Eds.), *Intelligent learning infrastructures for knowledge intensive organizations: A semantic web perspective* (pp. 1-38). Hershey, PA: IDEA Group Publishing. [Conceptual]

### **Refereed Journal Articles**

- Law, V., Ge, X., & Eseryel, D. (submitted). Scaffolding the development of a virtual learning community in the ill-structured domain of instructional design. *Knowledge Management & E-Learning: An International Journal*, Special Issue on Creating, Supporting, Managing, and Sustaining Virtual Learning Communities. [Empirical]
- Eseryel, D., Ge, X., Ifenthaler, D., & Law, V. (submitted 07-23-2010; revised and resubmitted 12-01-2010; resubmitted 02-19-2011). Dynamic modeling as cognitive regulation scaffold for complex problem solving skill acquisition in an educational massively multiplayer online game environment. *Journal of Educational Computing Research*. [Empirical]
- Eseryel, U. Y. & Eseryel, D. (submitted 2-16-2011; resubmitted 8-2011). Leading by doing work: Leadership in self-managing virtual teams. *European Journal of Information Systems*. [Empirical]

- Eseryel, D., Ifenthaler, D., Ge, X. (submitted 1-26-2011). Validation study of a method for assessing complex ill-structured problem solving by using causal representations. *Educational Technology, Research, & Development.* [Empirical]
- Eseryel, D. (submitted 12-13-2010). Learning in and about complex systems: Effect of question prompts versus model progression as cognitive-regulation scaffolds in simulation-based inquiry-learning environment. *Journal of Educational Computing Research*. [Empirical]
- Eseryel, D. (submitted 11-03-2010) Expert conceptualizations of the domain of instructional design: An exploration of the processes underlying complex, ill-structured problem solving. *Performance Improvement Quarterly*. [Empirical]
- Eseryel, U. Y. & Eseryel, D. (2004). Project management for information technology accessibility initiatives. *Educational Technology and Media Yearbook, 29,* 61-74. [Conceptual]
- Eseryel, D. (2002). Approaches to evaluation of training: Theory and practice. Journal of Educational Technology and Society, Special Issue: Integrating Technology into Learning and Working, 5(2), 93-98.
   [http://ifets.ieee.org/periodical/vol\_2\_2002/v\_2\_2002.html] [Conceptual]
- Eseryel, D., Ganesan, R., & Edmonds, G. S. (2002). Review of computersupported collaborative work (CSCW) systems. *Journal of Educational Technology and Society, Special Issue: Integrating Technology into Learning and Working*, 5(2), 130-136. [Conceptual] [http://ifets.ieee.org/periodical/vol\_2\_2002/v\_2\_2002.html]
- Dijkstra, S., Collis, B. A., & Eseryel, D. (1999). Instructional design for telelearning. *Journal of Computing in Higher Education*, *10*(2), 3-18. [ERIC No: EJ586189] [Empirical]

#### Manuscripts in Preparation/Revision

- Eseryel, D. (revise/resubmit). Solving complex, ill-structured problems in the domain of instructional design: A grounded theory. *Instructional Science*. [Empirical]
- Eseryel, D. & Law, D. (in preparation). Scaffolding cognitive regulation in simulation-based inquiry learning environments. *Computers & Learning*. [Empirical]
- Swearingen, D. K. & Eseryel, D. (in preparation). Student characteristics X treatment interaction effects on ninth grade students' mathematics achievement in problem-centered game-based learning. *Journal for Research in Mathematics Education*. [Empirical]
- Miller, R. B., Eseryel, D., Ge, X., Ifenthaler, D. (in preparation). A longitudinal study on the impact of digital game-based learning on complex problem solving skill acquisition and student motivation. *Instructional Science*. [Empirical]

#### **Special Journal Issue**

 Eseryel, D. (Ed.) (in process) Special issue on digital game-based learning. International Journal of Mobile Learning and Organizations.

### Refereed Conference Proceeding Papers

Law, V., Ge, X., & Eseryel, D. (2011). Dimensions of social interactions

contributing to knowledge construction and building in an online learning community. *Proceedings of the 9<sup>th</sup> International Conference on Computer-Supported Collaborative Learning*, Hong Kong, China.

- Eseryel, D. & Law, V. (2010). Promoting learning in complex systems: Effect of question prompts versus system dynamics model progressions as a cognitive-regulation scaffold in a simulation-based inquiry-learning environment. *Proceedings of the 9<sup>th</sup> International Conference of the Learning Sciences*, Chicago, IL.
- Eseryel, D., Ifenthaler, D., Ge, X., Law, V., Guo, Y. (2009). A validation study of a methodology for assessing progress of learning and complex, ill-structured problem solving in STEM. Proceedings of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA), Rome, Italy.
- Eseryel, D. (2007). Expert conceptualizations of the domain of instructional design: An exploration of the processes underlying complex, ill-structured problem solving. In M. Simonson (Ed.), 30<sup>th</sup> Annual Proceedings of Selected Research and Development Papers Presented at the National Convention of the Association for Educational Communications and Technology (Vol. 1, pp. 72-85). Anaheim, CA: AECT {AECT Featured Research}
- Eseryel, D. (2003). Expertise in complex problem solving. In M. Simonson & M. Crawford (Eds.), 26<sup>th</sup> Annual Proceedings of Selected Research and Development Papers Presented at the National Convention of the Association for Educational Communications and Technology (Vol. 1, pp. 102-110). Anaheim, CA: AECT.
- Eseryel, D., Bludnicki, M., & Doughty, P. (2003). Redesigning graduate programs in instructional Design and Technology: Issues, challenges, & trends. In M. Simonson & M. Crawford (Eds.), 26<sup>th</sup> Annual Proceedings of Selected Research and Development Papers Presented at the National Convention of the Association for Educational Communications and Technology (Vol. 1, pp. 111-118). Anaheim, CA: AECT.
- Eseryel, D. (2002). Learning in complex domains. In M. Simonson & M. Crawford (Eds.), 25<sup>th</sup> Annual Proceedings of Selected Research and Development Papers Presented at the National Convention of the Association for Educational Communications and Technology (Vol. 1, pp. 121-129). Dallas, TX: AECT.
- Eseryel, D. (2002). A framework for evaluation & selection of e-learning solutions. In G. Richards (Ed.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* 2002 (pp. 275-282). Chesapeake, VA: AACE.
- Eseryel, D. (2002). An exploration of the potential of causal influence diagrams for assessing progress of learning in complex domains. In P. Barker & S. Rebelsky (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2002* (pp. 491-492). Chesapeake, VA: AACE.
- Eseryel, D. (2002). A conceptual framework for evaluating online learning environments. In P. Barker & S. Rebelsky (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2002* (pp.-). Chesapeake, VA: AACE.
- Eseryel, D. (2002). Evaluation of online learning environments: A framework. In S. T. Lowe (Ed.), *Proceedings of the 16th Annual Edward F.*

Kelly Evaluation Conference. Ithaca: Cornell University.

- **Eseryel, D.**, Schuver-van Blanken, M., & Spector, J. M. (2001). Current practice in designing training for complex skills: Implications for design and evaluation of ADAPT-IT. In C. Montgomerie & J. Vitelli (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia, & Telecommunications* 2001 (pp. 474-479). Chesapeake, VA: AACE. [ERIC No: ED462955]
- Eseryel, D., & Ganesan, R. (2001). Distributed group design process: Lessons learned. In C. Montgomerie & J. Vitelli (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia, & Telecommunications* 2001 (pp. 469-473). Chesapeake, VA: AACE. [ERIC No: ED466156]
- Eseryel, D., & Spector, J. M. (2000). Assessing adaptive instructional design tools and methods in ADAPT-IT. In M. Crawford & M. Simonson (Eds.), 23<sup>rd</sup> Annual Proceedings of Selected Research and Development Papers Presented at the National Convention of the Association for Educational Communications and Technology (Vol. 1, pp. 121-129). Denver, CO: Association for Educational Communications and Technology. [ERIC No: ED455770]
- Dijsktra, S. & Eseryel. D. (1999). Instructional communication for telelearning. Paper presented at 8th Biennial Conference for Research on Learning and Instruction (EARLI), Göteborg, Sweden.
- Collis, B., Eseryel, D., & Dijkstra, S. (1999). Instructional design of WWWbased course-support environments: From case to principles. In B. Collis & R. Oliver (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications* 1999 (pp. 231-235). Chesapeake, VA: AACE. [ERIC No: ED462954]

## **Non-Refereed Journal Articles**

- Klein, J. & Eseryel, D. (2003). A conceptual model for managing change in organizations through blended organizational learning. e-Lumination, 5(2), 3-6. [Conceptual]
- Eseryel, D. (1999). Extending the boundaries of classroom: Can technology help? ACM Magazine, 6(1), 3-16. [Conceptual]

Conference	<u>Ref</u>	ereed National & International Conference Presentations
Presentations		<b>Eseryel, D.</b> , Miller, R. B, Law, V., Ifenthaler, D., & Ge, X. (submitted). <i>An investigation of the interrelationships between motivation, game-play, and complex problem solving in MMOG learning environments</i> . Paper to be presented at the Annual Meeting of the American Educational Research Association, Vancouver, British Columbia, Canada, April 13-17, 2012.
		Law, V. & <b>Eseryel, D.</b> (submitted). <i>Complexity, cognitive regulation, and understanding of a complex science system</i> . Paper to be presented at the Annual Meeting of the American Educational Research Association, Vancouver, British Columbia, Canada, April 13-17, 2012.
		Huang, K., Ge, X., & <b>Eseryel, D.</b> (submitted). <i>Metaconceptually-Enhanced</i> <i>Simulation-Based Inquiry Learning: Effects on the 8th Grade Physics</i> <i>Students' Conceptual Change and Epistemological Beliefs</i> . Paper to be presented at the Annual Meeting of the American Educational Research

Association, Vancouver, British Columbia, Canada, April 13-17, 2012.

- **Eseryel, D.**, Spector, J. M., Gibbons, A., Boling, E., & Schwier, R., (2011). *Current and future trends in the field of instructional design and technology*. Panel session to be presented at the 2011 Annual Convention of Association for Educational Communications and Technology, Jacksonville, FL, November 8-12, 2011.
- **Eseryel, D.**, Ge, X., Jonassen, D., Ifenthaler, D., & Hung, W. (2011). *Complex problem solving research: Current status and future directions*. Panel session to be presented at the 2011 Annual Convention of Association for Educational Communications and Technology, Jacksonville, FL, November 8-12, 2011.
- Law, V. & Eseryel, D. (2011). Cognitive regulation in a simulation-based inquiry learning environment. Paper to be presented at the 2011 Annual Convention of Association for Educational Communications and Technology, Jacksonville, FL, November 8-12, 2011.
- Law, V., Ge, X., & **Eseryel, D.** (2011). *Dimensions of social interactions contributing to knowledge construction and building in an online learning community*. Paper presented at the International Conference on Computer Supported Collaborative Learning, Hong Kong, China, July 4-8, 2011.
- McCuen, T. & Eseryel, D. (2011). Spatial skills of students studying the built environment: Assessment and Instruction. Paper presented at the 47<sup>th</sup> Annual International Conference of the Associated Schools of Construction. Lincoln, OM., April 6-9, 2011.
- **Eseryel, D.,** Ifenthaler, D., & Ge, X. (2011). *Alternative assessment strategies for complex problem solving in game-based learning environments*. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LO., April 8-12, 2011.
- Ge, X., Planas, L., & Eseryel, D. (2011). Developing valid assessment methods and scoring rubrics to measure ill-structured problem-solving performance. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LO., April 8-12, 2011.
- Ge, X., Ifenthaler, D., & Eseryel, D. (2011). Assessing complex problem solving – Theories, Methods, and Tools. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LO., April 8-12, 2011.
- Huang, K., Ge, X., & Eseryel, D. (2011). Metaconceptually-enhanced simulation-based inquiry learning: Effects on the 8th grade physics students' conceptual change and epistemological beliefs. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LO., April 8-12, 2011.
- Law, V., Ge, X., & Eseryel, D. (2010). Development of instructional design expertise in a blended learning environment. Paper presented at the 2010 Annual Convention of Association for Educational Communications and Technology, Anaheim, CA, October 26-30, 2010.
- **Eseryel, D.**, Miller, R. B., Ge, X., Ifenthaler, D., Law, V., & Guo, Y. (2010). *A longitudinal study on the impact of digital game-based learning on complex problem solving skill acquisition and student motivation*. Paper presented at the 2010 Annual Convention of Association for Educational Communications and Technology, Anaheim, CA, October 26-30, 2010.

- **Eseryel, D.** & Ge, X. (2010). *Designing effective game-based learning environments: Implications for design research*. Paper presented at "Educational Design Research: Local Change, Global Impact": A Special Conference to Honor Professor Thomas C. Reeves Upon his Retirement from the University of Georgia, March 26-27, 2010.
- **Eseryel, D.** & Law, V. (2010). Promoting learning in complex systems: Effect of question prompts versus system dynamics model progressions as a cognitive-regulation scaffold in a simulation-based inquiry-learning environment. Paper presented at the 9<sup>th</sup> International Conference of the Learning Sciences, Chicago, IL, June 29-July 2, 2010.
- Swearingen, D. & Eseryel, D. (2010). Student characteristics that affect ninth grade students' mathematics achievement in digital game-based learning. Paper presented at the Annual Meeting of the American Educational Research Association, Denver, CO., April 30-May 4, 2010.
- Swearingen, D. & Eseryel, D. (2010). The effects of massively multiplayer online games on high school students' mathematics achievement. Paper presented at the Annual Meeting of the American Educational Research Association, Denver, CO., April 30-May 4, 2010.
- Eseryel, D., Ge, X., Law, V., Guo, Y., Ifenthaler, D., & Miller, R. B. (2010). *A longitudinal study on the impact of digital game-based learning on complex problem solving skill acquisition: The effect of system dynamics modeling as a scaffold for self-regulation*. Paper presented at the Annual Meeting of the American Educational Research Association, Denver, CO., April 30-May 4, 2010.
- Eseryel, D., Ifenthaler, D., Ge, X., Law, V., Guo, Y. (2009). A validation study of a methodology for assessing progress of learning and complex, illstructured problem solving in STEM. Paper presented at IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA), Rome, Italy, November 20-22, 2009.
- Eseryel, D. & Swearingen, D. K. (2009). Student characteristics X treatment interaction effects on ninth grade students' mathematics achievement in digital game-based learning. Paper presented at the 2009 Annual Convention of Association for Educational Communications and Technology, Louisville, KY., October 27-31, 2009.
- Ge, X., Eseryel, D., Miller, R. B., Law, V., Hayes, T., & Guo, Y. (2009). *Implementing technology-rich design-based research: Complexities and challenges.* Paper presented at the 2009 Annual Convention of Association for Educational Communications and Technology, Louisville, KY., October 27-31, 2009.
- Eseryel, D., Ge, X., Law, V., Hayes, T., Guo, Y., & Ifenthaler, D. (2009). The effects of an educational massively multiplayer online game on students' complex problem solving skill acquisition. Paper presented at the 2009 Annual Convention of Association for Educational Communications and Technology, Louisville, KY., October 27-31, 2009.
- Miller, R. B., Eseryel, D., & Ge, X. (2009) Surviving in Space: The effects of a massively multiplayer online game (MMOG) on students' motivation. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA., April 13-17, 2009.
- Wilson, S., Whisenhunt, T. G., & Eseryel, D. (2008). A design-based research framework for McLarin's Adventures: An interdisciplinary

massively multiuser online game. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Orlando, FL, November 4-8, 2008. <u>{Winner of the 2008 AECT</u> Design & Development Showcase}

- Wilson, S., Whisenhunt, T. G., & Eseryel, D. (2008) An instructional design and development model for effective game-based learning environments. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Orlando, FL, November 4-8, 2008.
- Koszalka, T. A., Eseryel, D., Forbes, A., Wu, Y., Lu, L. (2008). Resuming the conversation: How should instructional designers be educated? Paper presented at the Annual Convention of Association for Educational Communications and Technology, Orlando, FL, November 4-8, 2008.
- Eseryel, D. (2007). Expert conceptualizations of the domain of Instructional Design: An exploration of the processes underlying complex, ill-structured problem solving. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Anaheim, CA, October 23-27, 2007. (AECT Featured Research)
- Eseryel, D. (2003). Expertise in complex problem solving. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Anaheim, CA, October 22-26, 2003.
- Eseryel, D., Doughty, P., & Bludnicki, M. (2003). Redesigning graduate programs in instructional design and technology: Issues, challenges, and trends. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Anaheim, CA, October 22-26, 2003.
- Eseryel, D. (2003). Using causal influence diagrams to assess progress of learning in complex domains. Paper presented at the Annual Meeting of American Educational Research Association, Chicago, IL.
- Eseryel, D. (2002). Learning in complex domains. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Dallas, TX.
- Eseryel, U. Y. & Eseryel, D. (2002). Evaluation of accessibility tools for electronic and information technology. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Dallas, TX.
- Eseryel, U. Y. & Eseryel, D. (2002). *Electronic and information technology* accessibility. Paper presented at the Annual Convention of Association for Educational Communications and Technology, Dallas, TX.
- Eseryel, D. & Zeytun, I. (2002). A framework for evaluation and selection of e-learning solutions. Paper presented at the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education (E-LEARN 2002), Montreal, CA.
- Eseryel, D. (2002). An exploration of the potential of causal influence diagrams for assessing progress of learning in complex domains. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications (ED-MEDIA 2002), Denver, CO.
- Eseryel, D. (2002). A conceptual framework for evaluating online learning environments. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications (ED-MEDIA 2002),

Denver, CO.

- **Eseryel, D.** (2001). *Characteristics of available computer-based tools to support instructional design*. Paper presented at the Annual Meeting of the Association for Educational Communications and Technology, Atlanta, GA.
- Eseryel, D., Schuver-van Blanken, M., & Spector, J. M. (2001). Current practice in designing training for complex skills: Implications for design and evaluation of ADAPT-IT. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications (ED-MEDIA 2001), Tampere, Finland.
- Eseryel, D., & Ganesan, R. (2001). Distributed group design process: Lessons learned. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications (ED-MEDIA 2001), Tampere, Finland.
- Eseryel, D., & Spector, J. M. (2000). Assessing adaptive instructional design tools and methods in ADAPT-IT. Paper presented at the Annual Meeting of the Association for Educational Communications and Technology, Denver, CO.
- Dijkstra, S. & Eseryel. D. (1999). Instructional communication for telelearning. Paper presented at 8th Biennial Conference for Research on Learning and Instruction (EARLI), Göteborg, Sweden.
- Collis, B., Dijkstra, S., & Eseryel, D. (1999). Instructional design of WWWbased course-support environments: From case to principles. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications (ED-MEDIA'99), Seattle, WA.

#### **Refereed Regional Conference Presentations**

- Eseryel, D., Ge, X., Miller, R., Guo, Y., Hayes, T., Law, V., & Swearingen, D. K. (2008). A longitudinal investigation on the impact of problemcentered game-based instruction & model-facilitated simulation-based instruction on student motivation, math achievement, and complex problem solving skill development. Paper presented at the K20 Engaged Research Conference, Norman, OK. November 14, 2008.
- Eseryel, D. (2006). Expertise in the domain of instructional design. Paper presented at the 60<sup>th</sup> IDD&E Centennial Celebration Conference. Syracuse, NY, September 15-17, 2006.
- Eseryel, D. (2003). Potential of mapping techniques for assessing the progress of learning in complex domains. Paper presented at the 17<sup>th</sup> Annual Edward F. Kelly Evaluation Conference, Syracuse, NY.
- Eseryel, D. & Serumola, P. (2002). Instructional design considerations for learning objects: SCORM example. Paper presented at the Teaching Tools Conference, Syracuse, NY, October 25, 2002.
- Eseryel, D. (2002). Evaluation of online learning environments: A framework. Paper presented at the 16th Annual Edward F. Kelly Evaluation Conference. Cornell, Ithaca.
- Eseryel, D. (2001). Adaptive instructional design advising systems for professional practitioners. Paper presented at the Teaching Tools Conference, Syracuse, NY.
- **Eseryel, D.** (2001). *Perfect fit: Selecting the online learning solution for your organization.* Paper presented at the Teaching Tools Conference,

Syracuse, NY.

- Gray, P. J., Spector, J. M., Doughty, P. L., Colley, R. M., Eseryel, D., Robinson, D. J., Arnold, P. P. (2001). The Mellon Project at Syracuse University: The Cost and Learning Effects of Alternative e-Collaboration Methods in Online Settings. Teaching Tools Conference, Syracuse, NY.
- Eseryel, U. Y. & Eseryel, D. (2001). A step towards success at Ecommerce: E-commerce information systems infrastructure. Paper presented at the Electronic Business Conference by Middle East Technical University, Ankara, Turkey.

## **Invited Speaking Engagements**

- Key Note Speaker: Eseryel, D., & van der Pal, J. (2001). Evaluation perspectives for advanced training systems. Paper presented at the European Union IST 5th Framework Concentration Meeting, Luxembourg.
- Key Note Speaker: Eseryel, D. (1999). Integrating advanced learning technologies into teaching and learning. ACM 14<sup>th</sup> Annual Meeting. Amsterdam, The Netherlands.

## **Teaching** Academic: University of Oklahoma, Norman, Oklahoma, USA

- EIPT 6173 Management of Instructional Technology Projects (Spring 2011 – F2F Course)
- EIPT 5533 / LIS 5533 Introduction to Instructional Technology (Fall 2010)
- EIPT 6613 Educational Modeling, Simulations, Virtual Reality, & Games (Spring 2008, Spring 2009, & Spring 2010 – Online Course)
- EIPT 6930 Instructional Design for Complex Problem Solving (Fall 2008 & Fall 2009 – Hybrid Course)
- EIPT 5533 / LIS 5533 Introduction to Instructional Technology (Fall 2010 – F2F Course)

#### Academic: Syracuse University, Syracuse, New York, USA

- IDE737 Advanced Instructional Design [classroom delivery]
- IDE735 Modeling, Simulations, and Gaming in Education [classroom delivery and online]
- IDE830 Doctoral Seminar in Design & Development [classroom delivery with online support; co-facilitated with Dr. Tiffany Koszalka]
- IDE621 Principles of Instruction and Learning [classroom delivery with online support; co-facilitated with Dr. Tiffany Koszalka]
- IDE850 Advanced Studies in Instructional Design and Emerging Technologies [classroom delivery w/ online support; co-facilitated with Dr. Tiffany Koszalka]
- IDE614 Instructional Design: Theory & Practice [online / WebCT] (Developed and taught this course online under the supervision of Dr. J. Michael Spector)
- IDE700 School Improvement Through Performance Feedback Systems [classroom delivery] (co-facilitated with Prof. Dr. Adrie Visscher)

#### Academic: University of Twente, Enschede, The Netherlands

- Instructional Design Theories [online / TeleTOP & classroom delivery] (developed and taught this course under the supervision of Prof. Dr. Sanne Dijsktra)
- Human-Computer Interaction [online / TeleTOP] (developed and taught this course under the supervision of Prof. Dr. Ivan Stanchev)
- Electronic Performance Support Systems [online / TeleTOP] (developed and taught this course under the supervision of Prof. Dr. Ivan Stanchev)

### **Business-Related Instruction/Training/Workshop**

- Human Resources Development and Management; Performance Engineering; Learning Organizations; & Knowledge Management (a 3week training program developed for the Indonesian National Family Planning Coordinating Board (BKKBN)(September 9-27, 2002).
- Effective Communication in Diverse Contexts: Synthetic Cultures Simulation Exercise (Workshop developed for AGWAY Energy Products Summer Conference) (July 24, 2002)
- Designing instruction on the WWW (2001-2002)
- Effective dimensions of online teaching (1999-2000)
- Instructional design principles and models (1999-2000)
- Communication with Subject-Matter Experts (1999-2000)
- Train-the-Trainer Workshop: Integrating advanced learning technologies into teaching and learning (1998-1999)
- Train-the-Trainer Workshop: Adult learning (1998-1999)
- Faculty In-Service Development: The TeleTOP methodology (1997-1998)

<u>Servi</u>	Service to the Profession	
• E	ditorial Board Member:	
0	International Journal of Mobile Learning and Organisation (IJMLO) (April 2005-Present)	
0	International Journal of Knowledge and Learning (IJKL) (June 2004- Present)	
Reviewer:		
0	Journal of Educational Computing Research (JECR) (May 2011 – Present)	
0	Educational Technology, Research, & Development (ETR&D) (November 2010 – Present)	
0	Technology, Instruction, Cognition, & Learning (TICL) (May 2009 – Present)	
0	International Journal of Computers and Applications (IJCA) (November 2005 – Present)	
	• E( 0 0 • R( 0 0 0	

European Journal for Psychological Assessment (EJPA) (February 2005 – Present)

- Offices Held in Professional Organizations
  - **Conference Planner** of the 2011 Association of Educational Communications & Technology Design & Development Division
  - President-Elect, Association for Educational Communications & Technology (AECT) Design & Development Division (October 2010-Present) (October 2010 – Present)
  - Vice-President of Communications, Association for Educational Communications & Technology (AECT) Design & Development Division (October 2009 – October 2010)
  - Communications Officer, AERA SIG# 52:Instructional Technology (SIG-IT) (April 2009 – April 2010)
  - Membership Chair, AERA SIG# 119: Technology, Instruction, Cognition, and Learning (SIG TICL) (April 2003 – April 2009)
  - International Scientific Program Committee Member The 5th World Scientific & Engineering Academy and Society (WSEAS). International Conference on Distance Learning and Web Engineering (DIWEB '05) Corfu, Greece (September 23-25, 2005)
  - **Conference Program Chair**, 2003 Edward Kelly Program Evaluation Conference Syracuse, NY.
- Conference Proposal Reviewer:
  - American Educational Research Association (Division C Sec. 5 Learning Environments; Sec. 7 Technology Research; SIG TICL; SIG-IT) [2003-Present]
  - Association for Educational Communications and Technology (Division of Design & Development; Division of Distance Learning) [2002-Present]
  - o International Conference of the Learning Sciences [2007-Present]
  - 13<sup>th</sup> European Conference on Information Systems (ECIS 2005) [E-Society Track]

## Session Organizer / Coordinator:

- "Does Our Curriculum Match Up?" at Professors of Instructional Design & Technology (PIDT) 2002 Meeting (with Dr. Phil Doughty)
- "Knowledge Management for PIDT: Introducing DocuShare" at Professors of Instructional Design & Technology (PIDT) 2002 Meeting Training Session:
- "Qualitative Research Tools" at Professors of Instructional Design & Technology (PIDT) 2002 Meeting (with Radha Ganesan)
- "Mapping the Complexity of Instructional Design" at Professors of Instructional Design & Technology (PIDT) 2002 Meeting (with Dr. J. Michael Spector)

## Service to University of Oklahoma, Norman, OK, USA

- JRCOE Research & Travel Committee; Grad Scholarship (2010-2012)
- Member of IPT Recruitment Committee (2010 Present)

- Board Member: OU Community Engagement Committee (2008-2009)
- Member of Curriculum Revision Committee: ID and ILT Specializations
- Supported IPT Program Recruitment Effort by preparing recruitment materials and by hosting a reception at the 2007 AECT Conference
- Program Committee Member: K20 Center Winter Institute

### Service to Syracuse University, Syracuse, New York, USA

- Faculty Advisor to IDD&E Centennial Celebration Conference (September 15-17, 2006)
- Goodwill Ambassador to new students during Fall 2005 Orientation (August 2005)
- IDD&E Brown Bag Planning Team Member (Fall 2004)
- Member and Program Chair of 2003 Edward Kelly Program Evaluation Conference Planning Team at SU
- Member of new student applications review committee (Summer 2003)
- Member of the IDD&E curriculum redesign committee (2000-2002)
- Organizer of IDD&E new-student orientation program (August 2001)

## Service to University of Twente, Enschede, The Netherlands

- Member of the TeleTOP implementation team (1997-1998)
- Provided in-service training and consulting to faculty on telematics-based teaching (1997-1998)

#### Service to the Public

- Grant Proposal Reviewer: For OETT Grants to Schools Program funded by Oklahoma Educational Technology Trust (OETT) and the Achievement through Collaboration and Technology Support (OK-ACTS)
- Board Member: International Center of Syracuse, a non-for-profit organization to promote global understanding through personal contact, by developing professional programming and individual hospitality for international visitors of Central New York. (2005- 2006)
- Vice President: SEBIT, a non-for-profit organization dedicated to supporting educational technology projects for K-12 (1995-1997)
- Tennis Coach: Formed and trained a professional tennis team for Middle East Technical University (1991-1995)

Grants, Awards, & Honors

#### Grant Proposals Awarded

- **Fulbright Scholar-in-Residence Program**. Proposal submitted on 10/15/2010 to Fulbright with Deniz Eseryel (PI) & Xun Ge (Co-PI). Acceptance letter received on 12/21/2010. Planned start date: February 2012 for 6-months. [~\$64,000]
- Facilitating Learning in Complex Knowledge Domains: Effects of Cognitive Regulation Scaffolding Strategies in Simulation-Based Inquiry Learning in Science. Proposal submitted on 03/01/2010 to the 2010 JRCOE Summer Research Grant Program at the University of Oklahoma. Awarded on 05/16/2010. Received \$6,000 for June 2010.
- Impact of Digital Game-Based Learning on Ninth-Grade Students'

**Complex Problem Solving Skill Acquisition, Motivation, & Mathematics Achievement.** Proposal submitted on 01/07/2008 to the 2008 Junior Faculty Research Program at the University of Oklahoma. Awarded on 02/26/2008. Received \$6,000 for June-July 2008.

## Grant Proposals Under Review

None.

## Grant Proposals Submitted

- K20 SUCCESS: Engaging Rural STEM Talent Expansion through Collaborative Learning Continuum, Digital Game-Based Environment, and Service Learning. Proposal submitted on 09/30/08 to the National Science Foundation STEP Program [NSF 08-569] with Dr. Mary John O'Hair (PI), Dr. Jean Cate (Co-PI), Dr. Nancy Mergler (Co-PI), Dr. Pakize Polat (Co-PI), Dr. Henry O'Hair (Co-PI), Dr. Gordon Uno (Co-PI), Dr. Douglas Gaffin (Co-PI), Dr. Linda Atkinson (Co-PI), Dr. Pat Hardre (Co-PI), Dr. Leslie Williams (Co-PI), Dr. Scott Wilson (Co-PI), Dr. Deniz Eseryel (Co-PI), Dr. Penny Pasque (Co-PI), and Dr. Juanita Vargas (Co-PI) [Requested \$ 2,500,000 for 3 yrs]
- SOLVE-IT Interactive Learning Environment for Facilitating Teaching and Learning of Complex, III-Structured Problem Solving in STEM Disciplines. Proposal submitted on 04/25/2008 to the National Science Foundation's Advanced Learning Technology (ALT) Program (NSF 08535) by Dr. Xun Ge (PI), Dr. Deniz Eseryel (Co-PI), Dr. Renee McPherson (Co-PI), and Dr. Amy McGovern (Co-PI). [Requested \$597,443 for 3 years]
- The Enhanced Technology Integration Support for K-8 Educators (ENTISE) Project. Proposal submitted on 07/2007 to the Institute of Education Sciences, Teacher Quality-Mathematics & Science Education with Dr. Tiffany Koszalka (PI) and Dr. Deniz Eseryel (Co-PI) [\$3,000,000 for 4 yrs]
- Enhanced Technology Integration Support for K-8 Educators (ENTISE) Project. Proposal submitted on 07/2007 to the Institute of Education Sciences-Teacher Quality-Reading and Writing, on 07/2007 with Dr. Rachel Brown (PI) and Dr. Deniz Eseryel (Co-PI) [Requested \$ 2,000,000 for 4 yrs]

## Scholarships, Awards & Honors

- 2010 Young Researcher Award AERA SIG Instructional Technology for my paper entitled, "Facilitating Learning in Complex Ecology Systems: Effect of Question Prompts versus System Dynamics Model Progressions as Cognitive Regulation Scaffolds in a Simulation-Based Inquiry-Learning Environment"
- 2009 AECT Design & Development Showcase Award for the design and development strategy for facilitating complex problem solving skills with *McLarin's Adventures: An Interdisciplinary Massively Multiuser Online Game*.
- Featured Research at the 2007 Annual Meeting of the Association for Educational Communications and Technology for my paper entitled, "Expert conceptualizations of the domain of Instructional Design: An exploration of the processes underlying complex, ill-structured problem solving."
- 2006 Outstanding Dissertation Research Award by Syracuse University for exemplary inquiry in the field of instructional technology (May 12, 2006)
- Certificate in University Teaching awarded in 2006 by Syracuse University for successful completion of the requirements of the Future Professoriate Project

Next Generation Advanced Training Solutions for Cross-Cultur	al
International Scholar Honor by Alpha Sigma Chapter of Phil (inducted in April, 2000)	3eta Delta
<b>Scholarship</b> for a Doctoral study at Syracuse University by Tu Council of Higher Education (\$128,000)	rkish
American Educational Research Association (AERA) American Society for Training & Development (ASTD) Association for the Advancement of Computing in Education (AAC	E)
· · ·	<ul> <li>Next Generation Advanced Training Solutions for Cross-Cultur Communication &amp; Global Business Management, April 4, 2003</li> <li>International Scholar Honor by Alpha Sigma Chapter of Phi B (inducted in April, 2000)</li> <li>Scholarship for a Doctoral study at Syracuse University by Tu Council of Higher Education (\$128,000)</li> <li>Scholarship for Master's study at the University of Twente by Organization for International Cooperation in Higher Education (\$55,000)</li> <li>Association for Educational Communications &amp; Technology (AECT American Educational Research Association (AERA)</li> <li>American Society for Training &amp; Development (ASTD)</li> <li>Association for the Advancement of Computing in Education (EAR</li> </ul>

- IEEE Education Society
- System Dynamics Society