

## **DAZHI YANG, PH.D.**

Assistant Professor  
Dept. of Educational Technology  
Boise State University  
1910 University Dr. MS 1747  
Boise, ID 83725  
Email: dazhiyang@boisestate.edu  
Phone: (208) 4263212  
<http://edtech.boisestate.edu>

### **Professional Experience**

**Assistant Professor**, *Department of Educational Technology, Boise State University, Boise, ID, 7/10 -present*

**Postdoctoral Researcher and Instructional Designer**, *School of Engineering Education, Purdue University, West Lafayette, IN, 7/08 -7/10*

**Research Assistant**, *Department of Curriculum & Instruction, Purdue University, West Lafayette, IN, 8/02 - 6/08*

**Online Learning Specialist Consultant**, *Continuing & Distance Education, Purdue University, West Lafayette, IN, 6/07 - 8/07*

**Co-instructor**, *Department of Curriculum & Instruction, Purdue University, West Lafayette, IN, 8/06 -12/06*

**Teaching Assistant**, *Department of Curriculum & Instruction, Purdue University, West Lafayette, IN, 1/03 - 5/05*

**Instructional Designer**, *Beijing Human Computer Co., Ltd., Beijing, China, 8/98 - 12/00*

**Lecturer**, *Anqing Health Sciences School, Anqing, China, 7/95 - 7/98*

### **Education**

#### **Purdue University, West Lafayette, IN**

12/2008 Ph.D.in Educational Technology, Department of Curriculum & Instruction

05/2006 Graduate Certificate in Applied Statistics, Department of Statistics

05/2004 M.S. in Educational Technology, Department of Curriculum & Instruction

#### **Anqing Teachers' College, Anhui, China**

07/1995 B.A. in English Education, School of Foreign Languages

### **Honors and Awards**

2010 Selected by the Early Career Faculty Symposium Sponsored by the National Science Foundation (NSF) and Hosted by the Association for Educational Communications and Technology (AECT), Anaheim, CA

2009 Young Researcher Award of the American Educational Research Association (AERA), Special Interest Group of Instructional Technology.

- 2009 Paper Accepted as Featured Research Presentation by the Association for Educational Communications and Technology (AECT).
- 2008 Dean's Doctoral Scholarship Award, College of Education, Purdue University.
- 2008 Selected as an Advanced Graduate Student for the Early Career Symposium Sponsored by the National Science Foundation (NSF) and Hosted by the Association for Educational Communications and Technology (AECT), Orlando, FL
- 2007 The Frank B. DeBruicker Graduate Award in Educational Technology, Department of Curriculum & Instruction, Purdue University.
- 2007 American Educational Research Association, Division C Graduate Student Symposium Travel Grant, the American Educational Research Association (AERA), Chicago, IL
- 2006 Purdue Research Foundation (PRF) for Dissertation Support Award, Purdue University.

### Selected Publications

- Huang, W. D., & Yang, D. (In press). Empowering digital learners: a self-managing learning process framework for digital game-based learning system (DGBLS). In H. Wang's *Interactivity in E-Learning: Case Studies and Frameworks* (pp. xx-xx). doi:10.4018/978-1-61350-441-3
- Miller, L.R., Streveler, A.R., Yang, D., & Santiago Román, A. I. (2011). Identifying and repairing student misconceptions in thermal and transport science: Concept inventories and schema training studies. *Chemical Engineering Education*, 45(3), 203-210.
- Olesova, L., Yang, D., & Richardson, J. C. (2011). Cross-cultural differences in undergraduate students' perceptions of online barriers. *Journal of Asynchronous Learning Networks*, 15(3), 68-80.
- Yang, D., Richardson, J. C., French, B. F., & Lehman, J. D. (2010). The development of a content analysis model for assessing students' cognitive learning in asynchronous online discussions. *Educational Technology Research & Development*. doi: 0.1007/s11423-010-9166-1.
- Yang, D., Olesova, L., & Richardson, J. C. (2010). Cultural differences on learner participation, communication, and learning in an online environment. *Journal of Educational Computing Research*, 43(2), 165-182.
- Yang, D., Santiago, A. Streveler, R. A., Miller, R. L., Slotta, J., & Chi, M. (2010). Repairing student misconceptions using ontology training: A study with junior and senior undergraduate engineering students. *Proceedings of 2010 American Society for Engineering Education Annual Conference*, Louisville, KY.
- Yang, D., & Richardson, J. C. (2009). Designing and developing online and distance courses. In P. Rogers et al., (Eds.) *Encyclopedia of Online and Distance Learning (2<sup>nd</sup>ed)* (pp. 555-561). Hershey, NY: Information Science Reference.
- Richardson, J. C., Ertmer, P., Aagard, H., Ottenbreit, A., Yang, D., & Mack, N. C-G. (2008). Factors influencing teachers' implementation of digital age literacy skills and strategies. *Teacher Education and Practice*, 20(3), 239-262.
- Yang, D., & Richardson, J. C. (2008). Students' online interaction styles: Can they change? *Journal of Educational Technology Development and Exchange*, 1(1), 1-12.
- York, C., Yang, D., & Dark, M. (2007). Transitioning from face-to-face to online instruction: How to increase presence and cognitive / social interaction in an online information security risk assessment class. *International Journal of Information and Communications Technology Education*, 3(2), 42-52.

- Miller, R. L., Streveler, R. A., Yang, D., & Santiago, A. (2009). Identifying and repairing students' misconceptions in thermal and transport science. *Proceedings of the 2009 American Institute of Chemical Engineers (AIChE) Annual Meeting*, Nashville, TN.
- Yang, D., Streveler, R. A., Miller, R. L., & Santiago, A. (2009). Repairing misconceptions: A case study with advanced engineering students on their use of schema training modules. *Proceedings of 2009 American Society for Engineering Education Annual Conference*, Austin, TX.
- Ertmer, P., Gedik, N., Richardson, J., Yang, D., & Newby, T. (2008). Undergraduate students' perceptions of the value of online discussions: A comparison between education and engineering students. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 366-371). Chesapeake, VA: AACE.
- Yang, D., Olesova, L., & Richardson, J. (2008). The impact of cross-cultural differences on learner participation and communication in asynchronous discussions. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 825-829). Chesapeake, VA: AACE.
- Olesova, L., Yang, D., & Richardson, J. (2008). The impact of barriers on the quality of students' postings in asynchronous discussions: A Case Study. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 593-600). Chesapeake, VA: AACE.
- Yang, D., & Richardson, J. C. (2007). Students' online interaction styles and individual online learning preferences. In *Proceedings of the Association for Educational Communications and Technology (AECT) Annual Conference 2007* (pp.367-371). Anaheim, CA.
- Yang, D. (2007). Designing an online course: What does it take? In *Proceedings of the Association for Educational Communications and Technology (AECT) 2007* (pp. 372-373). Anaheim, CA.
- Yang, D., & Richardson, J. C. (2006). A model for generating discipline-based guidelines for developing and delivering online courses. *Proceedings of the Association for the Advancement of Computing in Education (AACE)'s E-Learn 2006: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, 1533-1538.
- Yang, D. (2006). Using Web-based resources to enhance teaching and learning. *Proceedings of the Association for the Advancement of Computing in Education (AACE)'s E-Learn 2006: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, 1797-1800.
- Yang, D., & Dark, M. (2005). A service learning project of information security risk assessment for k12 school corporations. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2005* (pp. 1672-1677). Chesapeake, VA: AACE.

### **Selected Conference Presentations**

- Yang, D., Barrett, N., Magana, A., Streveler, R., Miller, R., & Santiago, A. (2011, April). *Teaching difficult engineering concepts in the language of emergent processes*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), New Orleans, LA.

- Yang, D., Santiago, A., Streveler, R. A., Miller, R. L., Slotta, J. D., & Chi, M. M. T. H. (2010, June). *Repairing student misconceptions using ontology training: A study with advanced engineering students*. Paper presented at the American Society for Engineering Education (ASEE), Louisville, KY.
- Yang, D., Streveler, R. A., & Miller, R. L. (2010, April). *Can instruction reinforce misconceptions? Preliminary evidence from a study with advanced engineering students*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), Denver, CO.
- Olesova, L., Yang, D., & Richardson, J. C. (2010, April). *Cross-cultural differences in undergraduate students' perceptions of online barriers: A mixed methods study*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), Denver, CO.
- Miller, R. L., Streveler, R. A., Yang, D., & Santiago, A. (2010, February). *Using schema training to repair student misconceptions in thermal and transport science*. Poster presented at the National Science Foundation (NSF) Engineering Education Awardees Conference, Reston, VA.
- Miller, R. L., Streveler, R. A., Yang, D., & Santiago, A. (2009, November). *Identifying and repairing students' misconceptions in thermal and transport science*. Paper presented at the American Institute of Chemical Engineers (AIChE) Annual Meeting, Nashville, TN.
- Yang, D., Richardson, J. C., French, B. F., & Lehman, J. D. (2009, October). *A Mixed methods approach to develop a content analysis model for assessing students' cognitive learning in asynchronous online discussions*. Paper presented at the Association for Educational Communications and Technology (AECT) Annual Meeting, Louisville, KY.
- Yang, D., Streveler, R. A., Miller, R., & Santiago, A. (2009, June). *Repairing misconceptions: A case study with advanced engineering students on their use of schema training modules*. Paper presented at the American Society for Engineering Education (ASEE), Austin, TX.
- Yang, D., Richardson, J. C., French, B. F., & Lehman, J. D. (2009, March). *The development of a content analysis model for assessing students' cognitive learning in asynchronous online discussions*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), San Diego, CA.
- Yang, D., Olesova, L., & Richardson, J. C. (2009, March). *Cultural differences on learner participation, communication, and learning in an online environment*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), San Diego, CA.
- Richardson, J. C., Ertmer, P., Newby, T., Lehman J., Sadaf, A., Yang, D., et al. (2009, March). *Students' perceptions of various instructional strategies in online discussions*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), San Diego, CA.
- Olesova, L., Yang, D., & Richardson, J. C. (2008, November). *Perceived value of online team work by culturally different groups*. Poster presented at the 14<sup>th</sup> Annual Sloan-C International Conference on Online Learning, Orlando, FL.
- Richardson, J. C., Ertmer, P., Newby, T., Gedik, N., Yang, D., Sadaf, A., Cheng, X. Harris, C. (2008, November). *Online discussion question formats impact on students' perceived and actual learning*. Paper presented at the 14<sup>th</sup> Annual Sloan-C International Conference on Online Learning, Orlando, FL.

- Yang, D., Huang, W. D., & Richardson, J. C. (2008, March). *The change of individual learning preferences in computer-mediated conferences*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), New York, NY.
- Dark, M., York, C., Yang, D., Popescu, V., & Nita-Rotaru, C. (2008, March). *A pilot study on the design effectiveness of a new distance learning system*. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), New York, NY.
- Yang, D., Olesova, L., & Richardson, J. C. (2008, March). *The impact of cross-cultural differences on learner participation and communication in asynchronous discussions*. Paper presented at the Advancement of Computing in Education (ACE) Society for Information Technology and Teacher Education (SITE) International Conference.
- Olesova, L., Yang, D., & Richardson, J. C. (2008, March). *The impact of barriers on the quality of students' messages in asynchronous discussions*. Paper presented at the Advancement of Computing in Education (ACE) Society for Information Technology and Teacher Education (SITE) International Conference.
- Ertmer, P., Gedik, N., Richardson, J., Yang, D., Newby, T. (2008, March). *Undergraduate students' perceptions of the value of online discussions: a comparison between education and engineering students*. Paper presented at the Advancement of Computing in Education (ACE) Society for Information Technology and Teacher Education (SITE) International Conference.
- Yang, D., & Richardson, J.C. (2007, October). *Students' online interaction styles and individual online learning preferences*. Paper presented at the Association for Educational Communications and Technology (AECT) Annual Meeting, Anaheim, CA.
- Yang, D. (2007, October). *Designing an online course: What does it take?* Paper presented at the Association for Educational Communications and Technology (AECT) Annual Meeting, Anaheim, CA.
- Yang, D., & Richardson, J. C. (2006, October). *A model for generating discipline-based guidelines for developing and delivering online courses*. Paper presented at the Association for the Advancement of Computing in Education (ACE)'s E-Learn 2006: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Honolulu, HA.
- Yang, D. (2006, October). *Using web-based resources to enhance teaching and learning*. Paper presented at Association for the Advancement of Computing in Education (ACE)'s E-Learn 2006: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Honolulu, HA.
- Yang, D., & Dark, M. (2005, March). *A service learning project of information security assessment of K12 school corporations*. Paper presented at Association for the Advancement of Computing in Education (ACE) Society for Information Technology and Teacher Education (SITE) International Conference, Phoenix, AZ.
- Yang, D., & Rose, M. (2004, April). *Keeping information safe: An exploration of teacher practice and perceptions in K-12 school*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA.