

# Yu-Hui Ching, PhD

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## EDUCATION

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**Ph.D. Instructional Systems (Minor: Educational Psychology)**

**The Pennsylvania State University**

**Ed. M., Teaching English to Speakers of Other Languages (TESOL)**

**State University of New York at Buffalo**

**Certificate, Education Program for Certified Middle/High School Teachers**

**National Central University, Taiwan**

**B.BA, Information Management, Minor: English**

**National Central University, Taiwan**

## TEACHING/MENTORING

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**Department of Educational Technology at Boise State University**

**Instructor, EDTECH 503, Instructional Design** (Online Course), Fall 2010, Spring, Summer, Fall 2011, Spring 2012

**Instructor, EDTECH 504, Theoretical Foundations of Educational Technology** (Online, Course), Fall 2010, Spring 2011

**Penn State University**

**Co-Instructor, Internet in the Classroom** (Online Course) [Lead Faculty: Dr. Barbara Grabowski], Department of Learning and Performance Systems, Summer and Fall 2007, Summer 2008, Summer 2009, Fall 2009

**Co-Facilitator, Course in College Teaching** (Professional Development Course for Penn State Faculty and Teaching Assistants), Schreyer Institute for Teaching Excellence, Penn State University, [with Stephanie Roulon], Spring 2009

**Teaching Assistant, Instructional Design Models, Strategies, and Tactics**

Department of Learning and Performance Systems, Penn State University, [Lead Faculty: Dr. Jill

Lane], Spring 2008

### **Lab Instructor, Design, Development, and Evaluation of Internet Resources**

Department of Learning and Performance Systems, Penn State University, [Lead Faculty: Dr. Wei-Fan Chen], Summer 2007

### **Graduate Research Mentoring**

A master paper in Educational Technology Program, Penn State University [Lead faculty: Dr. Barbara Grabowski], Summer 2009

**Paper Title:** Analyzing Political Cartoons Through the Use of Spreadsheets and Collaboration.

## **GRANTS**

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**mLearning Scholar** for outstanding proposal on implementing mobile learning in curriculum, Boise State University. [One iPod Touch (\$300) for the instructor; 15 subsidized iPod Touch (\$150 each) for students (\$2250)]

**Professional Development for Supporting Web-Enhanced PBL Teaching Practice for Increasing Problem-solving Ability of Middle School Science Students.** The PK-12 Education Theme Initiative Fund (TIF), College of Education at PSU, \$30,000 [PI: Dr. Barbara Grabowski], Fall 2005

**A Predictive Model of Teacher Practice, Student Characteristics and Science Problem Solving in Middle Schools.** Pennsylvania Space Grant Consortium, \$5,000 [with the KaAMS research team, PI: Dr. Barbara Grabowski]

## **PUBLICATIONS**

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### **Articles in Referred Journals**

1. **Ching, Y.-H.** & Hsu, Y.-C. (2011). Design-grounded assessment: A framework and a case study of Web 2.0 practices in higher education. In J. Waycott & J. Sheard (Eds), *Assessing students' Web 2.0 activities in higher education. Australasian Journal of Educational Technology*, 27(Special issue, 5), 781-797. (SSCI)
2. Hsu, Y. -C., & **Ching, Y. -H.** (2011). Microblogging for strengthening a virtual learning community in an online course. *Knowledge Management & E-Learning: An International Journal*, 3(4), 375-388.
3. Thornton, L. Ferris, N., Johnson, G., Kidwai, K., **Ching, Y-H.** (2011). The impact of an e-portfolio program in a music education curriculum. *Journal of Music Teacher Education*, 21(1) 65-77.

4. Lin, H., **Ching, Y. -H.**, Hsu, Y. -C., Dwyer, F. M. (2010). Learning from animation: The effect of prior knowledge and navigation mode. *International Journal of Instructional Media*, 37 (2), 201-212.
5. Hsu, Y. -C., **Ching, Y.-H.**, Mathews, J. P., & Carr-Chellman, A. A. (2009). Undergraduate students' self-regulated learning in web-based learning environments. *Quarterly Review of Distance Education*, 10(2), 109-122.
6. Hsu, Y. -C., Lin, H., **Ching, Y.-H.**, & Dwyer, F. (2009). The effects of assigned and preferred educational website navigation modes on undergraduate students' learning outcomes. *Journal of Educational Technology & Society*, 12(1), 271-284. [SSCI]
7. Lin, H., **Ching, Y. -H.**, Ke, F. & Dwyer, F. M. (2007). Effectiveness of various enhancement strategies to complement animated instruction: A meta-analytic assessment. *Journal of Educational Technology Systems*, 35(2), 215-237.
8. Ke, F., Lin, H., **Ching Y. -H.**, & Dwyer, F. M. (2006). Effects of animation on multi-level learning outcomes for learners with different characteristics: A meta-analytic assessment and interpretation. *Journal of Visual Literacy*, 26(1), 15-40.

#### **Article in Non-referred Journal**

Weinstein, S., **Ching, Y.-H.**, Shapiro, D., & Martin, R. (2010). Embedded assessment: Using data we already have to assess courses and programs. *Assessment Update*, 22(2), 6-7.

#### **Book Chapter**

1. Hsu, Y. -C., **Ching, Y.-H.**, & Grabowski, B. (2009). The spirit of educational Web 2.0 literacy: Cognitive tools of the new media age for K-12. In T. WHL & R. Subramaniam (Eds.), *Handbook of research on new media literacy at the K-12 level: Issues and challenges* (pp. 353-371). Hershey, PA: IGI Global.

#### **Most Recent Articles in Referred Conference Proceedings**

1. **Ching, Y. -H.**, & Hsu, Y. -C. (2011). Incorporating peer feedback for learning in a project-based online learning environment. World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Honolulu, Hawaii, USA, October 18-21, 2011.
2. **Ching, Y.-H.**, & Hsu, Y. -C. (2010). Blogging in higher education: Issues, challenges, and design considerations. The proceedings of Association for Educational Communications and Technology (AECT) Annual International Convention, Anaheim, California. October 27-30, 2010.
3. **Ching, Y.-H.**, & Hsu, Y. -C. (2010). Strategy Training that Facilitates Undergraduate Students in Representing and Solving Ill-structured Problems. 2010 American Educational Research Association (AERA) Annual Meeting and Exhibition, Denver, Colorado. April 30-May 4, 2010.
4. Hsu, Y.-C., **Ching, Y.-H.**, Grabowski, B. (2008). Bookmarking/tagging in the web 2.0 era: From an individual cognitive tool to a collaborative knowledge construction tool for educators. The

- proceedings of World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Las Vegas, Nevada, USA, November 17-21, 2008.
5. Nguyen, H., Kapli, N., **Ching, Y.-H.**, Dileo, M. A., Lim, K., Grabowski, B., Miller, S. (2008). Facilitating the community of inquiry in a large online introductory astronomy course. World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Las Vegas, Nevada, USA, November 17-21, 2008.
  6. **Ching, Y.-H.**, Hsu, Y.-C., Yung, H.-I., Kidwai, K., & Grabowski, B. L.(2007). A correlation study of middle school students' metacognition and science related characteristics. The proceedings of American Educational Research Association (AERA) Annual Meeting and Exhibition, Chicago, Illinois. April 9-13, 2007.
  7. Hsu, Y.-C., **Ching, Y.-H.**, Lin, H., & Dwyer, F. (2007). The effects of assigned and preferred web navigation modes on undergraduate students' learning outcomes. The proceedings of American Educational Research Association (AERA) Annual Meeting and Exhibition, Chicago, Illinois. April 9-13, 2007.
  8. **Ching, Y.-H.**, Hsu, Y.-C., Lin, H., & Dwyer, F. (2006). Different levels of learning gains in web-based environment with animation. The proceedings of Association for Educational Communications and Technology (AECT) Annual International Convention, Orlando, Florida. October 10-14, 2006.
  9. Hsu, Y.-C., **Ching, Y.-H.**, & Lin, H. (2006). Undergraduate students' preferences for educational website interface design features: a gender perspective. The proceedings of Association for Educational Communications and Technology (AECT) Annual International Convention, Dallas, Texas. October 10-14, 2006.
  10. Lim, K. Y., **Ching, Y.-H.**, Hsu, Y.-C., Lee, H.W., Nguyen, H., Yung, H.-I., & Grabowski, B. (2006). Designing a teacher professional development program for the effective use of web-enhanced PBL. The proceedings of Association for Educational Communications and Technology (AECT) Annual International Convention, Dallas, Texas. October 10-14, 2006.
  11. Ke, F., Lin, H., **Ching, Y. -H.**, & Dwyer, F. (2006). Does animation promote learning for students at various educational levels? Paper to be presented at the 2006 Annual Convention of American Educational Research Association, San Francisco, CA.
  12. Lin, H., **Ching, Y, -H.**, Ke, F., & Dwyer, F. M. (2006). Effectiveness of various enhancement strategies to complement animated instruction: a meta-analytic assessment. Association of Educational Research Association (AERA) Annual Conference, San Francisco, CA.
  13. **Ching, Y.-H.**, Kidwai, K., Nguen, H., Kapli, N., Yung, H., & Grabowski, B. (2005). A predictive model of teacher practice, student characteristics and science problem solving in middle school. The proceedings of Association for Educational Communications and Technology (AECT) Annual International Convention, Orlando, Florida. October 18-22, 2005.

## **PRESENTATION/WORKSHOP**

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### **National/International Conference**

1. **Ching, Y. -H., & Hsu, Y. -C.** (2011). Theory-grounded Web 2.0 Practices: A framework and a case study. Association for Educational Communications and Technology (AECT) Annual International Convention, Jacksonville, Florida. November 8-12, 2011.
2. **Ching, Y. -H., & Hsu, Y. -C.** (2011). Incorporating peer feedback for learning in a project-based online learning environment. World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Honolulu, Hawaii, USA, October 18-21, 2011.
3. Robb, T., **Ching, Y. -H.**, Perkins, R. (2011). Building Online Communities with Web 2.0 Tools and Strategies. Association for Educational Communications and Technology (AECT) Annual International Convention, Jacksonville, Florida. November 8-12, 2011.
4. Hsu, Y. -C., & **Ching, Y. -H.** (2011). Mobile computer-supported collaborative learning (mCSCL): A review of experimental research. Association for Educational Communications and Technology (AECT) Annual International Convention, Jacksonville, Florida. November 8-12, 2011.
5. Hsu, Y. -C., & **Ching, Y. -H.** (2011). Mobile social learning in an online course: A mixed-method study. Association for Educational Communications and Technology (AECT) Annual International Convention, Jacksonville, Florida. November 8-12, 2011.
6. **Ching, Y.-H., & Hsu, Y. -C.** (2010). Blogging in higher education: Issues, challenges, and design considerations. Association for Educational Communications and Technology (AECT) Annual International Convention, Anaheim, California. October 27-30, 2010.
7. Hsu, Y. -C. & **Ching, Y. -H.** (2010). Learning statistics with cognitive and metacognitive strategies facilitating multiple external representations integration in a web-based environment. Association for Educational Communications and Technology (AECT) Annual International Convention, Anaheim, California. October 27-30, 2010.
8. Weinstein, S., **Ching, Y.-H.** (2010). Coordinating Learning Outcomes Assessment at a Large, Research- Intensive University. The 2010 Assessment Institute in Indianapolis, Indianapolis, Indiana, USA, October, 24-October 26, 2010.
9. **Ching, Y.-H., & Hsu, Y.-C.** (2010). Strategy Training that Facilitates Undergraduate Students in Representing and Solving Ill-structured Problems. American Educational Research Association (AERA) Annual Meeting and Exhibition, Denver, Colorado, USA, April 30-May 4, 2010.
10. Kidwai, K., **Ching, Y.-H., & Johnson, G.** (2009). The Role of e-Portfolios in a Pre-service Music Education Program: Understanding the Impact of a Programmatic Implementation of an Instructional Strategy. American Educational Research Association (AERA) Annual Meeting and Exhibition, San Diego, CA. April 13-17, 2009.
11. **Ching, Y.-H.,** Kapli, N., Nguyen, H., Dileo, M. A., Lim, K., Yung, H-I., Grabowski, B., & Miller, S. (2008). Designing Engaging Web-based General Science Courses for Undergraduate Education.

- World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Las Vegas, Nevada, USA, November 17-21, 2008.
12. Hsu, Y.-C., **Ching, Y.-H.**, & Grabowski, B. (2008). Bookmarking/Tagging in the Web 2.0 Era: From an Individual Cognitive Tool to a Collaborative Knowledge Construction Tool for Educators. World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Las Vegas, Nevada, USA, November 17-21, 2008.
  13. Nguyen, H., Kapli, N., **Ching, Y.-H.**, Dileo, M. A., Lim, K., Grabowski, B., & Miller, S. (2008). Facilitating the Community of Inquiry in a Large Online Introductory Astronomy Course. World Conference on E-Learning in Corporate, Government, Health, & Higher Education, Las Vegas, Nevada, USA, November 17-21, 2008.
  14. Weinstein, S., **Ching, Y.-H.**, Martin, R., Shapiro, D., & Patterson, J. (2008). Improving Your Course through Embedded Assessment. International Society for Exploring Teaching and Learning (ISETL), Las Vegas, Nevada, USA, October 23-25, 2008.
  15. **Ching, Y.-H.**, Hsu, Y.-C., Yung, H.-I., Kidwai, K., & Grabowski, B. L. (2007). A Correlation study of middle school students' metacognition and science related characteristics. American Educational Research Association (AERA) Annual Meeting and Exhibition, Chicago, Illinois. April 9-13, 2007.
  16. Hsu, Y.-C., **Ching, Y.-H.**, Lin, H., & Dwyer, F. (2007). The effects of assigned and preferred web navigation modes on undergraduate students' learning outcomes. 2007 American Educational Research Association (AERA) Annual Meeting and Exhibition, Chicago, Illinois. April 9-13, 2007.
  17. **Ching, Y.-H.**, Hsu, Y.-C., Lin, H., & Dwyer, F. (2006). Different Levels of Learning Gains in Web-based Environment with Animation. Paper presented at Association for Educational Communications and Technology (AECT) Annual International Convention, Orlando, Florida. October 10-14, 2006.
  18. Hsu, Y.-C., **Ching, Y.-H.**, & Lin, H. (2006). Undergraduate Students' Preferences for Educational Website Interface Design Features: A Gender Perspective. Poster presented at Association for Educational Communications and Technology (AECT) Annual International Convention, Dallas, Texas. October 10-14, 2006.
  19. Lim, K. Y., **Ching, Y.-H.**, Hsu, Y.-C., Lee, H.W., Nguyen, H., Yung, H.-I., & Grabowski, B. (2006). Designing a teacher professional development program for the effective use of web-enhanced PBL. Paper presented at Association for Educational Communications and Technology (AECT) Annual International Convention, Dallas, Texas. October 10-14, 2006.
  20. Lin, H., **Ching, Y.-H.**, Hsu, Y.C., Dwyer, F. (2006) The Effect of Prior Knowledge and Navigation Mode on Learning from Animation: A cognitive load perspective. World Conference on Educational Multimedia, Hypermedia and Telecommunications (Ed-Media), Orlando, FL.
  21. **Ching, Y.-H.**, Hsu, Y.C., Lin, H., Dwyer, F. (2006) Effects of Navigation Mode and Animation on Learning Achievements: A Study on a Web-based Instructional Module, Paper to be presented

at the ED-MEDIA World Conference on Educational Multimedia, Hypermedia & Telecommunications, Orlando, Florida.

22. Hsu, Y.C., **Ching, Y.-H.**, Lin, H., Dwyer, F. (2006). Gender Effects on Undergraduate Students' Preference for Educational Website Interface Design. Paper to be presented at the ED-MEDIA World Conference on Educational Multimedia, Hypermedia & Telecommunications, Orlando, Florida.
23. Ke, F., Lin, H., **Ching, Y.-H.**, & Dwyer, F. (2006). Does animation promote learning for students at various educational levels? Paper presented at the 2006 Annual Convention of American Educational Research Association, San Francisco, CA.
24. Lin, H., **Ching, Y.-H.**, Ke, F., & Dwyer, F. M. (2006). Effectiveness of Various Enhancement Strategies to Complement Animated Instruction: A Meta-Analytic Assessment. Paper presented at Association of Educational Research Association (AERA) Annual Conference, San Francisco, CA.
25. **Ching, Y.-H.**, Ke, F., Lin, H., & Dwyer, F. (2005). Effects of Animation in Facilitating Student Achievement: A Meta-Analytic Assessment. Poster presented at AECT, Orlando, Florida.
26. **Ching, Y.-H.**, Kidwai, K., Nguen, H., Kapli, N., & Yung, H. (2005). A Predictive Model of Teacher Practice, Student Characteristics and Science Problem Solving in Middle School. Paper presented at AECT, Orlando, Florida.
27. Ke, F., Lin, H., **Ching, Y.-H.**, & Dwyer, F. (2005). Effects of Animation on Multi-Level Learning Outcomes: A Meta-Analytic Assessment and Interpretation. Paper presented at AECT, Orlando, Florida.
28. **Ching, Y.-H.**, Ke, F., Lin, H., & Dwyer, F. (2005). Effects of Animation in Facilitating Student Achievement: A Meta-Analytic Assessment. Paper presented at ED-MEDIA World Conference on Educational Multimedia, Hypermedia & Telecommunications, Montreal, Canada.

### **Other Presentations/Workshops**

1. "Writing learning goals and objectives" at Kinesiology Department Faculty Meeting, [With Schreyer Institute Instructional Consultants], Spring 2009
2. International Teaching Assistants Coffee Hour, Schreyer Institute for Teaching Excellence, [With Schreyer Institute Instructional Consultants], Spring 2009
3. TA (Teaching Assistants) 101, Schreyer Institute for Teaching Excellence, [With Schreyer Institute instructional consultants], Fall 2008

## **SELECTED PROFESSIONAL ACTIVITIES /SERVICES**

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### **Journal Manuscript Reviewer**

- **Journal Manuscript Referee**, Computers and Education (since 2009)
- **Journal Manuscript Reviewer**, Journal of Educational Computing Research (since 2009)
- **Journal Manuscript Reviewer**, Journal of Educational Technology & Society (since 2009)

- **Journal Manuscript Reviewer**, Australasian Journal of Educational Technology (since 2011)
- **Reviewer**, book chapter in *Assessment in Game-based Learning: Foundations, Innovations, and Perspectives* (Edited Book)

#### **Conference Proposal Reviewer**

- **Conference Proposal Reviewer**, ICLS (International Conference of Learning Sciences) 2008, 2010
- **Conference Proposal Reviewer**, CSCL (Computer Supported Collaborative Learning) 2009, 2011
- **Conference Proposal Reviewer**, AERA (American Educational Research Association) Annual Meeting, 2006, 2007, 2008 (papers in Division C, SIG- Self-regulated learning, SIG-Problem-based Learning, SIG-Advanced Learning Technologies)

### **PROFESSIONAL AFFILIATION**

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**Member**, American Educational Research Association

**Member**, Association for Educational Communications and Technology