

Jui-long Hung, Ed.D.  
Assistant Professor  
Department of Educational Technology  
Boise State University  
MS 1747  
1910 University Drive, Boise, Idaho 83725-1747  
(208)426-5542  
[andyhung@boisestate.edu](mailto:andyhung@boisestate.edu)

### **Education**

- 2004-2007      Ed.D., Instructional Technology (Minor in Information System)  
Texas Tech University, Lubbock, TX
- 1994-1996      MBA, Management Information System Concentration  
National Sun Yat-Sen University, Kaohsiung, Taiwan
- 1989-1993      B.S., Biology  
National Cheng Kung University, Tainan, Taiwan

### **Relevant Professional Experience**

- 2008-Present      **Assistant professor**  
Department of Educational Technology  
Boise State University, ID
- 2007-2008      **Visiting professor**  
Department of Educational Technology  
Boise State University, ID

Instructor in an online graduate course: **Instructional Design for Educators**. It provides an introduction to the theoretical, experiential, and critical components of the instructional design process.

Instructor in an online graduate course: **Interactive Courseware Development**. It provides experience developing web based multimedia materials that contain sound, graphics, animation, and interactive components. Macromedia Flash CS3 and ActionScript 3.0 are major development tools.

Instructor in an online graduate course: **Operation Systems and Networks**. It is designed to provide students with reading and laboratory experience in current and emerging networking technology that will prepare them for the Cisco CCENT certification.

- 2006-2007      **Instructor**  
Educational and Instructional Technology Program  
Texas Tech University, TX

Instructor in one section of an undergraduate online course: **Introduction to Computers and Technology**. The goals of the course were to teach Microsoft Word, Excel, PowerPoint & Access. Each semester included teaching approximately 200 students for a total of 400 students.

2005                    **Part-time instructor**  
Educational and Instructional Technology program  
Texas Tech University, TX

Part-time instructor in a graduate course: **Authoring Systems for Educational Software**. The goals of the course were to teach Macromedia Captivate, Macromedia Dreamweaver & Java Scripts. Each semester included teaching approximately 20 students for a total of 40 students.

2004-2006           **Research Assistant**  
Educational and Instructional Technology Program  
Texas Tech University, TX

Responsible for grading and tutoring for two professors. Collaborated with professors on a series of research projects on computer-based software training.

1997-2004           **Lecturer**  
Department of Accounting Information  
Department of Information Systems  
Kun Shan University, Tainan, Taiwan

Instructor in computer courses for the Department of Accounting Information and the Department of Information Systems. Courses taught included: webpage design (**Dreamweaver & HTML**), graphic design (**Photoshop CS & PhotoImpact**), video authoring (**Premiere & Media studio**), animation authoring (**Flash + Action Script**), Microsoft office (**Word, Excel, PowerPoint, Access, & VBA**), and programming (**ASP, CSS, C++, JavaScript, PHP, VB, & SQL**), **DBMS and AIS Theory**. Each semester included teaching approximately 350 students for a total of 4,900 students.

- Advisor: responsible for advising and mentoring 50 students each semester.
- Facility administrator Department of Accounting Information: responsible for purchasing and maintaining hardware and network equipment and software for two computer labs and eight instructors' offices. Trained and supervised students to assist with lab maintenance.
- University Technology Development Committee: responsible for budget requests and allocations. Collected emerging technology information and proposed an annual equipment purchase list corresponding with short-term, mid-term, and long-term planning.
- Department Technology Planning Committee: responsible for determining purchase specifications.

- Server Administrator: responsible for maintaining one WWW+FTP server, one PHPbb2 server, three Printer servers, and one distance education server.

1995-1997      **Management Consultant,**  
Cheng Ko Management Consulting CO. LTD., Tainan, Taiwan

Responsible for data collection and analysis to help companies qualify for high standard certifications called ISO 9000; 9001; 9002; 14000.

### **Associated Professional Experience**

2005-2006      **Designer and Developer**  
Educational and Instructional Technology Program  
Texas Tech University, Lubbock, TX

Designed and developed two computer-based software training programs for research.

(<http://educedit.educ.ttu.edu/andy/index.html>)

(<http://educedit.educ.ttu.edu/andy/epss/>)

2004-2005      **Web Master & Developer**  
Resource Development and Public Relations  
Texas Tech University, Lubbock, TX

Designed and developed Project LEAD, Project FUTURE, and Project eSTAR. Created an online sign up and calendar system. Created an online discussion forum for Project LEAD.

(<http://www.educ.ttu.edu/resourcedevelopment>)

2000-2004      **Web Master and Developer**  
Department of Accounting Information  
Kun Shan University, Tainan, Taiwan

Designed and developed the Department of Accounting Information website

(<http://www.acct.ksu.edu.tw/ksutacc/main.asp>)

Designed and developed the Department of Accounting Information forum

(<http://203.71.30.77/phpbb2/>)

Designed and developed a news announcement system and a syllabus posting system

(<http://www.acct.ksu.edu.tw/ksutacc/board/login.asp>)

1999-2003      **Web Developer and Web Master**  
Department of Accounting Information  
Kun Shan University, Tainan, Taiwan

Designed, developed and maintained a distance education website for the Department of Accounting Information.

(<http://www.acct.ksu.edu.tw/acctcai/index.htm>)

### **Short-Term Professional Experience**

- 2007            **Instructor**  
Taught in-service SAS Enterprise Miner Training Program to South Western University of Finance and Economics professors, Chengdu, China.
- 2003            **Instructor**  
Taught in-service professional development training programs to K-12 teachers, NanYing Community College, Tainan, Taiwan
- 2002            **Instructor**  
Taught computer training program for On-the-job Accountants, Southern Training Center, Bureau of Employment and Vocational Training, Tainan, Taiwan

### **Community Service And Consulting Experience**

- |           |                                    |                       |
|-----------|------------------------------------|-----------------------|
| 2005-2007 | UIL Computers Applications         | Assistant             |
| 2004-2007 | Taiwan Student Association         | Web Master            |
| 1995-1997 | Cheng Ko Management Consulting CO. | Management Consultant |

### **Certificates**

- Certificated      MCP (Microsoft Certified Professionals)
- Certificated      MCSA 2003 (Microsoft Certified Systems Administrator)
- Certificated      MCSE 2003 (Microsoft Certified Systems Engineer)
- Certificated      TQC (Techficiency Quotient Certification) for Word, Excel, PowerPoint, Access, Dreamweaver, Flash, Visual Basic.
- Certificated      Predictive Modeling with SAS Enterprise Miner

### **Areas of Expertise**

- |                        |   |
|------------------------|---|
| Programming Language   | VB; VB.Net; HTML; CSS; XML; PHP; ASP; ASP.Net; Java Script; Flash ActionScript; SAS Proc; SQL   |
| Network Administration | Window 2000; Window 2003; PHP My Admin  |
| Database System        | Microsoft Access; SQL Server; Oracle Express Server; MySQL  |
| Multimedia Authoring   | Macromedia Captivate; Macromedia Flash; Macromedia Authorware; Macromedia Firework; Macromedia Dreamweaver; Media Studio; PhotoImpact |

### **Professional Affiliations**

- Microsoft Certified Professional Community  
Association for Educational Communications and Technology  
American Educational Research Association

### **Refereed Journal Articles**

- Hung, J. L., Crooks, S. (2009). Examining Online Learning Patterns with Data Mining Techniques in Peer-Moderated and Teacher-Moderated Course. *Journal of Educational Computing Research (SSCI)*, 40(2), 183-210 .
- Zhang, K., & Hung, J. L. (2009). E-learning in Supplemental Educational Systems in Taiwan: Present Status and Future Challenges, *International Journal on E-Learning*, 8(4), 479-494.
- Zhang, K., Peng, S. W. & Hung, J. L. (2009). Online Collaborative Learning in a Project-based Learning Environment in Taiwan: a case study on undergraduate students' perspectives. *Educational Media International*, 46(2), 123-135.
- Hung, J. L. & Zhang, K (2008). Revealing Online Learning Behaviors and Activity Patterns and Making Predictions With Data Mining Techniques in Online Teaching. *Journal of Online Learning and Teaching*, 4(4), 426-437.  
[http://jolt.merlot.org/vol4no4/hung\\_1208.pdf](http://jolt.merlot.org/vol4no4/hung_1208.pdf)
- Hung, J. L., Randolph-Seng, B., Kittikunanant, M. & Crooks, S. M. (2008). Multimedia E-Learning: Computer-Based Instruction and Cognitive Load. *Academic Exchange Quarterly*, 12(4), 207-212.
- Zhang, K., & Hung, J. L. (2006). E-learning in Taiwan: Policies, practices, and problems. *International Journal of Information and Communication Technology Education*. 2(1), 37-52.
- Zhang, K., & Hung, J. L. (2005). Taiwan higher education's e-learning: Status and critical reflections. *New Waves: Educational Research & Development*, 10(3), 24-30.

### **Manuscripts Submitted for Publication**

- Hung, J. L. & Zhang, K. Mobile Learning Research from 1981 to 2009: A categorical and bibliometric meta-trend analysis using text mining techniques. *Submitted to Journal of Computer Assisted Learning (SSCI)*

### **Manuscripts in Progress (Articles)**

- Hung, J. L. & Snelson, C. Mining Longitudinal E-learning Research: Trends and Patterns. Manuscript preparation.
- Zhang, K., & Hung, J. L. Online Collaborative Learning in Project-based Learning Environment in Taiwan: mixed Method Approach. Manuscript in preparation.
- Peng, S. W. & Hung, J. L. The Online Pedagogical Usability in Taiwan's Higher

Education. Under data analysis.

### **Proceeding Papers**

Hung, J. L. & Zhang, K. (2009, April). Mining Topic Taxonomies of the Distance Education Literature with Text-Mining Techniques. Proceedings of the Annual Meeting of American Educational Research Association, San Diego, CA.

Hung, J. L., Kittikunanant M., & Crooks, S. (2007, April). The Effects of Segment Size and Practice During Computer-Based Software Training. Proceedings of the Annual Meeting of American Educational Research Association: The World of Educational Quality, Chicago, IL

### **Presentations**

Hung, J. L. & Zhang, K. (2008, November). Mining Topic Taxonomies of the Distance Education Literature with Text-Mining Techniques. Paper accepted for presentation at the Annual Meeting of World Conference on E-Learn in Corporate, Government, Healthcare, and Business, Las Vegas, NE.

Hung, J. L. & Snelson, C. (2008, November). Analyzing Trends of E-Learning Research with Text Mining Techniques. Paper accepted for presentation at the Annual Meeting of Association for Educational Communications and Technology. Orlando, FL.

Hung, J. L. & Snelson, C. (2008, March). Mining Longitudinal E-Learning Research: Trends and Patterns. The Annual Meeting of SITE: Society for Information Technology & Teacher Education International Conference, Las Vegas, NE.

Hung, J. L., Zhang, K. & Tsai, A. M. (2008, March). Taiwan's e-learning in Short-Term after School Institutions. The Annual Meeting of SITE: Society for Information Technology & Teacher Education International Conference, Las Vegas, NE.

Kittikunanant M., Hung, J. L., Crooks, S., & Wang, C. Y. (2008, March). The Optimal Order of Instructional Content in Computer-Based Software Training: Sequencing Supportive and Procedural Knowledge. The Annual Meeting of SITE: Society for Information Technology & Teacher Education International Conference, Las Vegas, NE.

Zhang, K. & Hung, J. L. (2007, June). E-learning in Supplemental Educational Systems in Taiwan: Status & Challenges. Proceedings of the Annual Meeting of ED-MEDIA: World Conference on Educational Multimedia, Hypermedia, & Telecommunications, Vancouver, Canada.

Hung, J. L. & Zhang K. (2007, April). Revealing online learning behaviors with data mining techniques. Proceedings of the Annual Meeting of American Educational Research Association: The World of Educational Quality, Chicago, IL

Hung, J. L. & Zhang K. (2006, October) Data Mining Applications to Online Learning,

Proceedings of the Annual Meeting of World Conference on E-Learn in Corporate, Government, Healthcare, and Business, Honolulu, Hawaii, USA.

Hung, J. L., Kittikunanant M. & Crooks, S. (2006, October) Electronic Performance Support System for computer-based Software Training: Design and Development, Paper accepted for presentation at Annual Meeting of Association for Educational Communications and Technology. Dallas, TX.

Hung, J. L., Kittikunanant M. & Crooks, S. (2006, October) Effects of an Electronic Performance Support System on Computer-based Software Learning: A mixed-method Study, Paper accepted for presentation at Annual Meeting of Association for Educational Communications and Technology. Dallas, TX.

Hung, J. L., Kittikunanant M., Crooks, S. & Zhang K., (2006, June). The proper position of conceptual information during computer-based software training. paper accepted for presentation at Annual Meeting of the World Conference on Education Multimedia, Hypermedia, and Telecommunication, Orlando, FL.

Hung, J. L., Kittikunanant, M., Crooks, S. (2006, March). Designing Electronic Performance Support System to Facilitate Computer-based Software Training, paper accepted for presentation at Annual Meeting of the Society for Information Technology & Teacher Education International Conference, Orlando, FL.

Zhang, K., Hung, J. L., & Peng, S. (2005, October). Moderating online collaborations during various tasks in a project-base learning environment, paper accepted for presentation at the Annual Meeting of the Association for Educational Communications and Technology, Orlando, FL.

Zhang, K., & Hung, J. L. (2005, October). E-learning in Taiwan's higher education: Policies, practice and problems, paper accepted for presentation at the Annual Meeting of the Association for Educational Communications and Technology, Orlando, FL.

Zhang, K., & Hung, J. L. (2005, April). E-learning in Taiwan: Issues with Technology. Paper presented at the Annual Meeting of Chinese American Educational Research and Development Association, Montreal, Canada.

Hung, J. L. (April 2000), Research on Accounting Problems Arising from Convertible Bonds, Proceedings of Annual Meeting on Technology, Ling Tung College, Taichung, Taiwan, 239-249.

## **Grant**

Dawley, L., Hung, J. L., & Perkins, R. (2009). Project Starlite: Science Teachers Achieving Results With Immersive 3D Teacher Education, The Institute of Education Sciences (IES), U.S. Department of Education: \$2M (under review).

Snelson, C., Hung, J. L., Perkins, R., Pollard, C., & Schroeder, B. (2009). YouTube Across the Curriculum. Idaho State Board of Education: \$55,000 (under review).

Hung, J. L., Tutty, J., & Rice, K. (2008). Internationalization Project, Boise State University, Funded: 15,000.

Hung, J. L. (2003). Teacher Professional Development Websites for High School Teachers, Taiwan's Ministry of Education, Funded: 10,000.

Hung, J. L. (2002) Teacher Professional Development Websites for High School Teachers, Taiwan's Ministry of Education, Funded: 6,000.

Hung, J. L. (2001) Teacher Professional Development Websites for High School Teachers, Taiwan's Ministry of Education, Funded: 6,000.

Hung, J. L. (2000) Research on Distance Teaching, Taiwan's Ministry of Education, Funded: 3,000.

Hung, J. L. (1999) Multimedia Instructional Program on Accounting Information System, Taiwan's Ministry of Education, Funded: 3,000.

### **Awards**

Outstanding Teacher Professional Development Website, Ministry of Education, Taiwan. 2001-2003.

### **Service**

Department Level Service, Boise State University, Boise, ID

- Master's Comprehensive Examinations: Write and Score Questions
- Curriculum committee
- Faculty review committee

External Service

- Idaho Education Network (IEN) Board, 2009
- Web Master, Taiwan Student Association at Texas Tech University, 2004-2006.
- Web Maser <http://itlab.coe.wayne.edu/kzhang/>, 2005-2006
- Reviewer, the Annual Meeting of American Educational Research Association, 2007.
- Reviewer, the Annual Meeting of Association for Educational Communications and Technology, 2007.
- Facilitator, the Annual Meeting of Association for Educational Communications

and Technology, 2008.