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CURRICULUM VITAE

EDUCATION

Ph.D., Computer Science and Information Engineering, National Central
        University, Taiwan, R.O.C., 2004
Concentrations: One-to-one Educational Computing, Mobile Learning
Dissertation: A Model of 1:1 Educational Computing in Classroom Using
                Wireless Technology
Advisor: Dr. Tak-Wai Chan

M.A., Information and Computer Education, National Taiwan Normal University,
        Taiwan, R.O.C., 1994
Concentrations: Computerized Adaptive Practicing
Thesis: Adaptive Drill System - a Neural Network Approach

Taipei Municipal Teachers College, Taiwan, R.O.C., 1985
Diploma, Elementary Education

AWARDS

Distinguished Alumni of Taipei Municipal Teachers College, 1997

TEACHING EXPERIENCE

National Central University, Taiwan, R.O.C.
Network and Information Technologies in Classroom; Introduction to
Educational Research and Digital Learning Industry Development (2004 to
date)

Taipei Municipal University of Education, Taiwan, R.O.C.
Information Science (2006 to date)

National Central University, Taiwan, R.O.C.
Teaching Material & Methods in Computer Science (2001-2002)

Taipei Physical Education College
The Basic of Computer Concept (1998-2001)

Taipei Municipal Teachers College, Taiwan, R.O.C.
The Basic of Computer Concept (1994-1995)

Taipei Municipal Mandarin Elementary School, Taiwan, R.O.C.
* taught Mandarin, mathematics, science and computer (1985-1998)

PUBLICATIONS

Journal Papers:

B. Chang, **H.Y. Wang**, T.Y. Peng, & Y.S. Hsu (2010). Development and Evaluation of a City-Wide Wireless Weather Sensor Network. *Educational Technology & Society*.

H.Y. Wang, B. Chang, & C.T. Harn (2009). Using Mobile Data Logger and City-wide Weather Database to Facilitate Parent-child Coupled Climatology Learning. *Learning Technology Newsletter of IEEE Learning Technology Task Force*, **11**(3).

B. Chang, **H.Y. Wang**, & Y.S. Lin (2009). Enhancement of Mobile Learning Using Wireless Sensor Network. *Learning Technology Newsletter of IEEE Learning Technology Task Force*, **11**(1&2).

J.K. Liang, T.C. Liu, **H.Y. Wang**, B. Chang, Y.C. Deng, J.C. Yang, C.Y. Chou, H.W. Ko, S. Yang, & T.W. Chan (2005). A few design perspectives on one-on-one digital classroom environment. *Journal of Computer-Assisted Learning,* **21**(3), 181-189.

H.Y. Wang, T.C. Liu, C.Y. Chou, J.K. Liang, T.W. Chan, & Stephen Yang (2004). A Framework of Three Learning Activity Levels for Enhancing Usability and Feasibility of Wireless Learning Environment. *Journal of Educational Computing Research,* **30**(4), 331-351.

T.C. Liu, **H.Y. Wang**, J.K. Liang, T.W. Chan, H.W. Ko, & J.C. Yang (2003). Wireless and mobile technologies to enhance teaching and learning. *Journal of Computer-Assisted Learning,* **19**(3), 371-382.

International Conference Papers:

H.Y. Wang, & Kuo-Chen Lu (2010). Little Weather Scholars: a Scaffolded Weather Forecast Practicing for Elementary Students. *Proceedings of Asia-Pacific Conference on Technology Enhanced Learning 2010 (APTEL 2010).*

H.Y. Wang, Y.S. Hsu, & B. Chang (2010). Mobile and sensor technologies supported parent-child coupled inquiry weather science learning. *Paper presented in the 6th International Conference on Science, Mathematics and Technology Education (SMTE 2010).*

T.Y. Peng, Y.S. Hsu, **H.Y. Wang**, & B. Chang (2010). Inquiry based learning in Taipei weather science learning network. *Paper presented in the 6th International Conference on Science, Mathematics and Technology Education (SMTE 2010).*

B. Chang, **H.Y. Wang**, C. Chen, & J.K. Liang (2009). Distributed Weather Net: Wireless Sensor Network Supported Inquiry-Based Learning. *Proceedings of 8th International Conference on Computer Supported Collaborative Learning (CSCL 2009).*

J.K. Liang, T.C. Liu, **H.Y. Wang**, & T.W. Chan (2005). Integrating Wireless Technology in Pocket Electronic Dictionary to Enhance Language Learning. *Workshop proceedings of the 5th IEEE International Conference on Advanced Learning Technologies (ICALT 2005).*

S.B. Chang, **H.Y. Wang**, J.K. Liang, T.C. Liu, & T.W Chan, (2004). A Contest Event in the Connected Classroom Using Wireless Handheld Devices. *Proceedings of the IEEE International Conference on Wireless and Mobile Technologies in Education (WMTE 2004).*

H.Y. Wang, T.C. Liu, C.Y. Chou, J.K. Liang & T.W. Chan (2004). Implementation and Evaluation of Three Learning Activity Levels in Wireless Learning Environment. *Proceedings of the IEEE International Conference on Wireless and Mobile Technologies in Education (WMTE 2004).*

Tzu-Chien Liu, Jen-Kai Liang, **Hsue-Yie Wang**, Tak-Wai Chan & Li-Hsing Wei (2003). The Features and Potential of Interactive Response System. *Workshop proceedings of the International Conference on Computers in Education (ICCE 2003).*

Tzu-Chien Liu, Jen-Kai Liang, **Hsue-Yie Wang** & Tak-Wai Chan (2003). Embedding EduClick in Classroom to Enhance Interaction. *Workshop proceedings of the International Conference on Computers in Education (ICCE 2003).*

Sung-Bin Chang, Jen-Kai Liang, **Hsue-Yie Wang**, Tzu-Chien Liu, Jie-Chi Yang and Tak-Wai Chan (2002). A Learning Strategy of the Across-Classroom Competition Supported for Event-Driven Learning. *Workshop proceedings of the International Conference on Computers in Education (ICCE 2002).*

Tzu-Chien Liu, **Hsue-Yie Wang**, Jen-Kai Liang, Tak-Wai Chan & Jie-Chi Yang (2002). Applying Wireless Technologies to Build a Highly Interactive Learning Environment. *Proceedings of the IEEE International Conference on Wireless and Mobile Technologies in Education (WMTE 2002).*

Chi-Wei Huang, Jen-Kai Liang & **Hsu-Yie Wang** (2001). EduClick: A Computer-Supported Formative Evaluation System with Wireless Devices in Ordinary Classroom. *Workshop proceedings of the International Conference on Computers in Education (ICCE 2001).*