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王浩全

**Business Address:**

Department of Computer Science, National Tsing Hua University  
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Hsinchu 300, Taiwan  
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**EDUCATION**

Ph.D., Information Science, Faculty of Computing and Information Science, Cornell University  
(August 2008 – July 2011)

Ph.D. student, Language Technologies Institute, School of Computer Science, Carnegie Mellon University  
(August 2006 – May 2008. Transferred to Cornell University)

M.S., Computer Science, National Chengchi University  
(Sept. 2002 – July 2004)

B.S., National Taiwan Normal University  
(Sept. 1995 – June 1999)

**RESEARCH INTERESTS**

*Human-centered computing:* Human-computer interaction, social computing, computer supported cooperative work  
*Applied machine learning and language technologies*  
*Interactive educational technologies:* Computer supported collaborative learning, intelligent tutoring  
*Behavioral, cognitive and social sciences in computing*

**PROFESSIONAL EXPERIENCE**

Assistant Professor (February, 2012—)  
Department of Computer Science &  
Institute of Information Systems and Applications,  
National Tsing Hua University, Hsinchu, Taiwan

Division Director (August, 2014 –)  
Learning Technology Division, Computer and Communication Center,  
National Tsing Hua University, Hsinchu, Taiwan

Postdoctoral Associate (August, 2011 – December, 2011)  
Department of Information Science, Cornell University, Ithaca NY

*Assistantships for full-time PhD study at Cornell University:*

Graduate Research Assistant (January, 2011 – August, 2011)  
Department of Communication, Cornell University, Ithaca NY

Teaching Assistant (Course: INFO 3450 Human-Computer Interaction Design, Instructor: Dr. Dan Cosley)  
(August 2010 – December 2010)  
Department of Information Science, Cornell University, Ithaca NY

Graduate Research Assistant (January, 2010 – May, 2010)  
Department of Computer Science, Cornell University, Ithaca NY

Graduate Research Assistant (January, 2009 – December, 2009)  
Department of Communication, Cornell University, Ithaca NY

Teaching Assistant (Course: PSYCH/COGST/INFO 2140/6140 Cognitive Psychology, Instructor: Dr. Shimon Edelman)  
(August 2008 – December 2008)  
Department of Psychology, Cornell University, Ithaca NY

*Assistantships for full-time PhD study at Carnegie Mellon University:*

Graduate Research Assistant (January 2008 – May 2008)  
Human-Computer Interaction Institute, Carnegie Mellon University, Pittsburgh PA

Graduate Research Assistant (September 2006 – May 2007)  
Language Technologies Institute, Carnegie Mellon University, Pittsburgh PA

Visiting Researcher (June-July, 2010)  
Institute of Information Science, Academia Sinica, Taipei, Taiwan

Visiting Researcher (April 2006 – June 2006)  
Language Technologies Institute, Carnegie Mellon University, Pittsburgh PA

Research Assistant (October 2005 – March 2006)  
Science Education Center, National Taiwan Normal University, Taipei, Taiwan

Research Assistant (April 2004 – September 2005)  
Institute of Information Science, Academia Sinica, Taipei, Taiwan

**PUBLICATIONS**

**Conference Proceedings and Journal Papers**

†journal

\*top conference (see Microsoft Academic Search as a reference, <http://academic.research.microsoft.com/>)

\* Lee, Y-C., Lin, W-C., Cherng, F-Y., Wang, H-C., Sung, C-Y., King, J-T. (2015). Using Time-Anchored Peer Comments to Enhance Social Interaction in Online Educational Videos. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI) 2015* [Acceptance rate: 495/2150 ~ 23%]

\* You, C- W., Wang, K-C., Huang, M-C., Chen, Y-C., Lin, C-L., Ho, P-S., Wang, H-C., Huang, P., Chu, H-H. (2015). SoberDiary: A Phone-based Support System for Assisting Recovery from Alcohol Dependence. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI) 2015* [Acceptance rate: 495/2150 ~ 23%] [Honorable Mention Paper Award, **Top 5% of all submissions**]

Wang, H-C., Yeo, T-H., Nobarany, S., Hsieh, G. (2015). Problem with Cross-Cultural Comparison of User-Generated Ratings on Mechanical Turk. *Proceedings of the Third International Symposium of Chinese CHI (Chinese CHI) 2015*, ACM Press. [Acceptance rate: 8/21= 38%]

\* Wang, H-C., & Lai, C-T. (2014). Kinect-taped communication: Using motion sensing to study gesture use and similarity in face-to-face and computer-mediated brainstorming. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI) 2014*. [Acceptance rate: 470/2064=22.8%]

\* Huang, A-J., Wang, H-C., Yuan, C-W. (2014). De-virtualizing social events: Understanding the gap between online and offline participation for event invitations. *Proceedings of ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW) 2014*. [Acceptance rate: 135/500 ~ 27%]

Wang, H-C., Yeo, T-Y., Lee, H-H., Huang, A-J., Chang, S-C., Tu, J-J. (2014). Effects of interface interactivity on collecting language data to power dialogue agents. *Proceedings of the Second International Symposium of Chinese CHI 2014*, ACM Press. [Acceptance rate: 17/55=30.9%]

Hsieh, L-C., Hsu, W., Wang, H-C.(2014). Investigating and Predicting Social and Visual Image Interestingness on Social Media by Crowdsourcing. *Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2014*.

\* Gao, G., Wang, H-C., Cosley, D, & Fussell, S. R. (2013). Same translation but different experience: the effects of highlighting on machine-translated conversations. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI) 2013*. [Acceptance rate: 392/1963=23%]

\* Wang, H-C., Fussell, S. R., & Cosley, D. (2013). Machine translation vs. common language: Effects on idea exchange in cross-lingual groups. *Proceedings of ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW) 2013*. [Acceptance rate: 139/390=36%]

†Wang, H-C., Rosé, C. P., Chang, C-Y. (2011). Agent-based dynamic support for learning from collaborative brainstorming in scientific inquiry. *International Journal of Computer Supported Collaborative Learning (ijCSCL)*.

<http://www.springerlink.com/content/j1k1j774q8357365/>

- \*Wang, H-C., Fussell, S. R., & Cosley, D. (2011). From diversity to creativity: Stimulating group brainstorming with cultural differences and conversationally-retrieved pictures. *Proceedings of ACM CSCW 2011*. [Acceptance rate: 58/268 ~ 21.6%]
- Pessapati, S. T., Wang, H-C., & Cosley, D. (2010). Intercultural human-photo encounters: How cultural similarity affects perceiving and tagging photographs. *Proceedings of ACM International Conference on Intercultural Collaboration (ICIC 2010)*. (short paper)
- \*Wang, H-C., & Fussell, S. R. (2010). Groups in groups: Conversational similarity in online multicultural multiparty brainstorming. *Proceedings of ACM CSCW 2010*. [Acceptance rate: 58/288 ~ 20.1%]
- \*Wang, H-C., Cosley, D., & Fussell, S. R. (2010). Idea expander: Supporting group brainstorming with conversationally triggered visual thinking stimuli. *Proceedings of ACM CSCW 2010*. (note) [Acceptance rate: 58/288 ~ 20.1%]
- \*Wang, H-C., Fussell, S. R., & Setlock, L. D. (2009). Cultural difference and adaptation of communication styles in computer-mediated group brainstorming. *Proceedings of ACM CHI 2009*. [Acceptance rate: 277/1130 ~ 24.5%] [Honorable Mention Paper, **top 5% of all submissions**]
- Wang, H-C. (2008). Modeling idea generation sequences using Hidden Markov Models. *Proceedings of the 30th Annual Meeting of the Cognitive Science Society (CogSci 2008)* (pp. 107-112). Austin, TX: Cognitive Science Society. [Acceptance rate for oral presentation papers: 166/515 ~ 32.3%]
- †Wang, H-C., Chang, C-Y., & Li, T-Y. (2008). Assessing creative problem solving with automated text grading. *Computers & Education*, 51, 1450-1466.
- †Chang, C-Y., & Wang, H-C. (2008). Issues of inquiry learning in digital learning environments. *British Journal of Educational Technologies*, 40, 169-173.
- Wang, H-C., & Rosé, C.P. (2007). A process analysis of idea generation and failure. *Proceedings of the 29th Annual Meeting of the Cognitive Science Society (CogSci 2007)* (pp. 1629-1634). Austin, TX: Cognitive Science Society.
- Wang, H-C., Rosé, C.P., Cue, Y., Chang, C-Y. Huang, C-C., & Li, T-Y. (2007). Thinking hard together: The long and short of collaborative idea generation in scientific inquiry. *Proceedings of Computer Supported Collaborative Learning 2007 (CSCL 2007)*. [Acceptance rate: 30%] (nominated to Best Student Paper Award)
- Wang, H-C., Rosé, C.P. (2007). Supporting collaborative idea generation: A closer look using statistical process analysis techniques. *Proceedings of 13th International Conference on Artificial Intelligence in Education (AIED 2007)*. (short paper)
- \*Wang, H-C., Kumar, R., Rosé, C.P., Li, T-Y., & Chang, C-Y. (2007). A hybrid ontology directed feedback selection algorithm for supporting creative problem solving dialogues. *Proceedings of 20th International Joint Conference on Artificial Intelligence (IJCAI 2007)*. [Acceptance rate: 470/1353 ~ 35%]
- Huang, C-C., Li, T-Y., Wang, H-C., & Chang, C-Y. (2007). A collaborative support tool for creativity learning: Idea Storming Cube. *Proceedings of the 7th IEEE International Conference on Advanced Learning Technologies (ICALT 2007)*, NY: IEEE Computer Society.
- †Wang, H-C., Chang, C-Y., & Li, T-Y. (2007). The comparative efficacy of 2D- versus 3D-based media design for influencing spatial visualization skills. *Computers in Human Behavior*, 23, 1943-1957.
- Wang, H-C., Li, T-Y., Rosé, C. P., Huang, C-C., & Chang, C-Y. (2006). VIBRANT: A brainstorming agent for computer supported creative problem solving. *Proceedings of 8th International Conference on Intelligent Tutoring Systems (ITS 2006)*, *Lecture Notes of Computer Science*, Springer. (short paper) (Best Poster Award)
- †Wang, H-C., Li, T-Y., & Chang, C-Y. (2006). A web-based tutoring system with styles-matching strategy for spatial geometric transformation. *Interacting with Computers*, 18, 331-355.
- Wang, H-C., Chang, C-Y., & Li, T-Y (2005). Automated scoring for creative problem-solving ability with ideation-explanation modeling. *Proceedings of 13th International Conference on Computers in Education (ICCE 2005)*, *Frontiers in Artificial Intelligence and Applications*, 133, pp. 522-529, The Netherlands: IOS Press.
- Wang, H-C., Li, T-Y., & Chang, C-Y. (2005). A user modeling framework for exploring creative problem-solving ability. *Proceedings of 12th International Conference on Artificial Intelligence in Education (AIED 2005)*, *Frontiers in Artificial Intelligence and Applications*, 125, 941-943, The Netherlands: IOS Press. (short paper)

- Wang, H-C., Lu, C-H., Yang, J-Y., Hu, H-W., Chiou, G-F., Chiang, Y-T., & Hsu, W-L. (2005). An empirical exploration of using Wiki in an English as a second language course. *Proceedings of 5th IEEE International Conference on Advanced Learning Technologies (ICALT 2005)*, 155-157, NY: IEEE Computer Society. (short paper)
- Chang, Y-H., Chuang, T-R., & Wang, H-C. (2004). Adaptive level-of-detail in SVG. *Proceedings of the 3rd Annual Conference on Scalable Vector Graphics (SVG Open 2004)*, Keio University, Tokyo, Japan.
- Wang, H-C., Li, T-Y., & Chang, C-Y.(2004). Adaptive presentation for effective web-based learning of 3D content. *Proceedings of 4th IEEE International Conference on Advanced Learning Technologies (ICALT 2004)*, 136-140, NY: IEEE Computer Society.

#### Conference and Workshop Presentations (Non-Archival)

- Wang, H-C., Hsieh, G., Bi, X., Duh, H. B. L., & Chen, Y. (2015). Chinese CHI Symposium in CHI 2015. *Proceedings of ACM CHI '15 Extended Abstracts on Human Factors in Computing Systems (CHI'15 EA)*.
- Tsai, H-L., Han, C-H., Wu, E-S., Yang, C-L., & Wang, H-C. (2015). Tag & Link: Supporting Regional and Relational Tagging in Images with Direct Annotation. *Proceedings of ACM CHI '15 Extended Abstracts on Human Factors in Computing Systems (CHI'15 EA)*.
- Tsai, H-L., & Wang, H-C. (2015). Evaluating the Effects of Interface Feedback in MT-embedded Interactive Translation. *Proceedings of ACM CHI '15 Extended Abstracts on Human Factors in Computing Systems (CHI'15 EA)*.
- Hsiao, C-Y., Pan, M-H., Wang, H-C., & Hsu, Y-J. (2015). The Price of the Priceless: Understanding Estimated Costs of Work in Friendsourcing. *Proceedings of ACM CHI '15 Extended Abstracts on Human Factors in Computing Systems (CHI'15 EA)*.
- Han, C-H., Yang, C-L., Wang, H-C. (2014). Supporting second language reading with picture note-taking. Work-in-Progress in *ACM CHI 2014*.
- Wang, S-P., Lai, C-T., Huang, A-J., Wang, H-C. (2014). KinChat: Veiling your face without suppressing facial expression in text communication. Work-in-Progress in *ACM CHI 2014*.
- Pan, M-H., & Wang, H-C. (2014). Enhancing machine translations with crowdsourced keyword highlighting. *5th ACM international conference on Collaboration across boundaries: culture, distance & technology (CABS'14)*.
- Chen, Y-T., Han, C-H, Jeng, H-W., & Wang, H-C. (2014). Crowdsourcing 3D motion reconstruction. *Smart Graphics 2014*.
- Wang, H-C. & Lai, C-T. (2013). Understanding and Supporting Computer-Mediated Gesture Use with Active Communication Channels. Presentation at *Chinese CHI 2013* (<http://chchi2013.icachi.org>).
- 賴建同, 王浩全 (2013). 使用體感裝置探討在電腦中介傳播下之手勢使用行為. Presentation at *Computer Graphics Workshop 2013* (<http://cgv.cs.nthu.edu.tw/cgw2013/>).
- 蔡幸霖, 顏羽君, 王浩全, 張宇韜, Trevor S. Hunt, 姜翰廷 (2013). 使用群眾照片標記抽取語意資訊. Presentation at *Computer Graphics Workshop 2013* (<http://cgv.cs.nthu.edu.tw/cgw2013/>).
- Wang, H-C. & Lai, C-T. (2013). Understanding and Supporting Computer-Mediated Gesture Use with Active Communication Channels. Presentation at *Chinese CHI 2013* (<http://chchi2013.icachi.org>).
- Wang, H-C., Fussell, S. R., & Cosley, D. (2011). Using language-retrieved pictures to support multi-lingual brainstorming. Demonstration in *ACM CSCW 2011*.
- Wang, H-C. (2010-2011). Using language-retrieved pictures to support intercultural group brainstorming. Doctoral Consortiums in *ACM Group 2010, CSCW 2011, & CHI 2011*.
- Wang, H-C., Fussell, S. R., & Cosley, D. (2010). Effects of visual stimuli on idea generation and discourse coherence in conversational brainstorming, *Annual Meeting of the Society for Text & Discourse*. (poster).
- Wang, H-C., Cosley, D., & Fussell, S. R. (2010). Idea expander: agent-augmented online brainstorming. Demonstration in *ACM CSCW 2010*.
- Wang, H-C., & Fussell, S. R. (2009). Cultural adaptation of conversational style in intercultural computer-mediated group brainstorming. *ACM International Workshop on Intercultural Collaboration (IWIC 2009)*.
- Chou, T-Y., Wang, H-C., Yeh, T-K., & Chang, C-Y. (2009). Measuring students' implicit attitudes toward environmental

protection. *Annual Conference of the National Association for Research in Science Teaching (NARST 2009)*.

Wang, H-C., Fussell, S. R., & Setlock, L. D. (2008). Effects of cultural background and communication medium on group brainstorming conversations. *Annual Meeting of the Society for Text & Discourse*. (poster)

Huang, C-C., Li, T-Y., Wang, H-C., & Chang, C-Y. (2007). Idea Storming Cube: a game-based system to support creative thinking. *The First IEEE International Workshop on Digital Game and Intelligent Toy Enhanced Learning (DIGITEL 2007)*, Jungli, Taiwan. (nominated to Best Poster Award)

Wang, H-C., Rosé, C.P., Li, T-Y., & Chang, C-Y. (2006). Providing support for creative group brainstorming: taxonomy and technologies. *Workshop on Intelligent Tutoring Systems for Ill-Defined Domains, the 8th International Conference on Intelligent Tutoring Systems (ITS 2006)*.

Lu, C-H., Wang, H-C., Yang, J-Y., Hu, H-W., Chiou, G-F., Chiang, Y-T., & Hsu, W-L. (2005). On using Wiki in an English as a second language course: An empirical study. *International Conference on Computer Supported Collaborative Learning (CSCL 2005)*, Taipei, Taiwan (poster)

### Magazine Articles (Non-Refereed)

王浩全. 人機互動導向線上社群研究之概貌. 網路通訊國家型科技計劃簡訊, 第 38 期, 2012.

王浩全. 創用CC之用—輔助創意我們需要什麼? 創用CC電子報, 第 67 期, 台灣創用CC計劃, 中央研究院資訊科技創新研究中心, 2011.

張俊彥, 王浩全. 科學學習成就測驗之國際現況與未來展望. 教育研究月刊, 152 期, 第 133 頁至第 147 頁, 2006.

Wang, H-C., Li, T-Y., & Chang, C-Y., "Analyzing empirical evaluation of advanced learning environments: complex systems and confounding factors," Learning Technology Newsletter, Vol. 6, pp. 39-41, IEEE Technical Committee on Learning Technology, 2004.

Wang, H-C., Li, T-Y., "Considering model-based adaptivity for learning objects," Learning Technology Newsletter, Vol. 6, pp. 9-11, 2004.

王浩全. 回溯—大霹靂與宇宙誕生. 天文通訊報導雜誌, 第 274 期, 第 4 頁到第 10 頁, 台北市立天文科學教育館, 1997.

### UNPUBLISHED THESES

Wang, H-C. (2011). Using Language-Retrieved Pictures to Support Computer-Mediated Intercultural Brainstorming. Ph.D. Dissertation. Department of Information Science, Cornell University, Ithaca, NY, USA.

Wang, H-C. (2004). A web-based tutoring system with intelligent media: spatial geometric transformation as an example. Master's Thesis. Department of Computer Science, National Chengchi University, Taipei, Taiwan.

Wang, H-C. (1999). Estimating parameters of galactic rotation from Hipparcos proper motions. Bachelor's Thesis. Department of Earth Sciences, National Taiwan Normal University, Taipei, Taiwan.

### INVITED TALKS

Wang, H-C. (2014). *Using Kinect to Study the Role of Hand Gestures During Conversations*. Microsoft Research Asia, October 31, 2014.

Wang, H-C. (2014). *Active Computer-Mediated Communication: Research at the NTHU Collaborative and Social Computing Lab*. Human-Computer Interaction Institute, Carnegie Mellon University, Aug 5, 2014.

Wang, H-C. (2014-2015). *On Grounding Human Communication with Human-Computer Interaction Designs*. Research Center for Information Technology Innovation, Academia Sinica, Feb 13, 2014

[http://www.citi.sinica.edu.tw/HTML/seminars/IZ140005\\_en.html](http://www.citi.sinica.edu.tw/HTML/seminars/IZ140005_en.html); Graduate Institute of Network Learning Technology, National Central University, May 22, 2014; Department of Communication and Technology, National Chiao Tung University, May 26, 2014; Department of Information Management, National Sun Yat-Sen University, Nov 13, 2014; Department of Computer Science, National Chiao Tung University, Nov 25, 2014; Department of Information Management, National Taiwan University, Dec 19, 2014; Digital Content and Technology Program, National Chengchi University, Mar 24, 2015. Department of Computer Science, National Chengchi University, Apr 13, 2015.

Wang, H-C. (2013). *On Re-positioning HCI*. Closing keynote address at OpenHCI workshop 2013, National Taiwan

University of Science and Technology, July 5, 2013. <http://www.openhci.com>

- Wang, H-C. (2012-2013). *Interaction Beyond the Individual: A Lecture on HCI-Oriented Collaborative and Social Computing*. Institute of Information Science, Academia Sinica, July 17, 2012; Department of Computer Science and Information Engineering, National Taiwan University, October 12, 2012; Department of Computer Science, National Tsing Hua University, November 14, 2012; Department of Computer Science, National Chiao Tung University, March 6, 2013; Department of Computer Science, National Chengchi University, May 6, 2013; National Hsinchu University of Education, May 9, 2013; Department of Architecture, Tunghai University, May 24, 2013; Bilateral Tsinghua University Workshop at Xiamen University, Oct 8, 2013; EITA-EITC conference at National Taiwan University, Nov 24, 2013; Institute of Communication, National Chiao Tung University, Dec 26, 2013.
- Wang, H-C. (2012). *Using Language-based Interaction as the Basis for Collaborative Learning: What Technologies Can Do for Us?* Invited panel presentation, The first Taiwan CSCL & AIED Workshop, April 13, 2012. (sponsored by National Science Council, Science Education Division)
- Wang, H-C. (2012). *Computer-Augmented Human-Human Collaboration*. Institute of Information Systems and Applications, National Tsing Hua University, March 28, 2012.
- Wang, H-C. (2012). *Active Computer-Mediated Communication: A Social Computing Approach to Support Online Group Work*. Department of Communication & Technology, National Chiao-Tung University, March 7, 2012.
- Wang, H.-C. (2011-2012). *Active Computer-Mediated Communication: Designing Activity-Aware Communication Channels for Supporting Online Groups*. Department of Computer Science, National Tsing Hua University, March 29, 2011; Department of Computer Science and Information Engineering, National Taiwan University, March 25, 2011; Institute of Information Science, Academia Sinica, March 31, 2011; College of Computer Science, National Chiao-Tung University, May 17, 2012.
- Wang, H.-C. (2010). *Idea Expander: Supporting brainstorming with conversationally triggered visual stimuli*. Ishida & Matsubara Lab, Department of Social Informatics, Kyoto University, Kyoto, Japan, June 21, 2010.
- Wang, H.-C. (2010). *Understanding and designing for group brainstorming: The socio-cognitive approach to collective intelligence*. Institute of Information Science, Academia Sinica, June 11, 2010; Network Learning Institute, National Central University, July 7, 2010.
- Wang, H-C. (2010). *On Human-Computer Interaction*. Science Education Center, National Taiwan Normal University, July 5, 2010.
- Wang, H-C. (2010). *Groups in groups: conversational similarity in online multicultural multiparty brainstorming*. Information Science Breakfast Series, Cornell University, January 29, 2010; Communication Colloquium Series, February 2, 2010.
- Wang, H-C. (2010). *Idea expander: supporting group brainstorming with conversationally triggered visual thinking stimuli*. Information Science Breakfast Series, Cornell University, January 29, 2010.
- Wang, H-C. (2009). *Toward Understanding and Unleashing Cultural Diversity in Computer-Mediated Intercultural Group Brainstorming*. Information Science Breakfast Series, Cornell University, February 13, 2009.
- Wang, H-C. (2009). *Doing Behavioral and Cognitive Sciences for HCI Design: My Recent Work on Computer-Mediated Group Creativity*. Department of Computer Science & College of Communication, National Chengchi University, January 12, 2009; Also at the Department of Computer Science and Information Engineering, National Taiwan University, January 14, 2009.
- Wang, H-C. (2007). *Practical Automated Scoring for e-Learning*. Science Education Center, National Taiwan Normal University, May 22, 2007.
- Wang, H-C., & Rosé, C. P. (2006). *Thinking Hard Together: the Long and Short of Collaborative Idea Generation*. Pittsburgh Science of Learning Center Seminar Series, Carnegie Mellon University, November 27, 2006.

## HONORS AND AWARDS

Google Faculty Research Award (February, 2014)

<http://googlresearch.blogspot.tw/2014/02/google-research-awards-winter-2014.html>

[http://research.google.com/university/research\\_awards.html](http://research.google.com/university/research_awards.html)

ACM CHI Honorable Mention Paper (Top 5% paper in CHI), ACM CHI 2015

Invited Speaker, Microsoft Research Asia Faculty Summit 2014.

<http://research.microsoft.com/en-us/events/asiafacsum2014/>

National Tsing Hua University, Teaching Award Nomination 2014.

Travel Grant, Doctoral Consortium, ACM CHI 2011

Travel Grant, Doctoral Colloquium, ACM CSCW 2011

Travel Grant, Doctoral Colloquium, ACM Group 2010

ACM CHI Honorable Mention Paper (Best Paper Award Nomination) (Top 5% paper in CHI), ACM CHI 2009

Science 50 Achievement, National Science Council, Taiwan (November, 2008)

A special recognition to the project, Automated Assessment for Creative Problem Solving in Science Learning as one of the 50 most significant application-oriented projects among all projects funded by National Science Council in the past 50 years. Researchers: Prof. Chun-Yen Chang (National Taiwan Normal University), Hao-Chuan Wang and Prof. Tsai-Yen Li (National Chengchi University).

Project description & video- <http://www.nsc.gov.tw/scicircus/ct.asp?xitem=17523&ctNode=1976>

Nominee for Best Student Paper Award, International Conf. on Computer Supported Collaborative Learning (CSCL 2007)

Nominee for Best Poster Award, IEEE International Conference on Digital Game and Intelligent Toy Enhanced Learning (DIGITEL 2007)

Best Poster Award, International Conference on Intelligent Tutoring Systems (ITS 2006)

Graduate Academic Outstanding Award, College of Science, National Chengchi University, Taipei Taiwan (November 2003 and April, 2004)

Graduate Research Outstanding Award, College of Science, National Chengchi University, Taipei Taiwan (April, 2004)

NSC Undergraduate Research Grant, National Science Council, Taiwan R.O.C. (November 1998, Project Number NSC88-2815-C-003-45M, Area: Physics)

## **PROFESSIONAL SERVICES**

### **Services for International Conferences and Workshops**

Program Committee Associate Chair (AC, 複審委員), ACM Conference on Human Factors in Computing Systems (CHI) 2014, 2015, 2016; ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW) 2013, 2015 (All for the main conference Paper & Note track).

Program Co-Chair (議程共同主席), International Symposium of Chinese CHI, 2014, 2015

Steering Committee Member, International Symposium of Chinese CHI (2016—)

Publicity Co-Chair, ACM Group 2016.

Demonstrations Co-Chair, ACM CSCW, 2014.

Program Committee Associate Chair, ACM Conference on Collaboration Across Boundaries (CABS), 2014.

Technical Program Committee, International Conference on Collaboration Technologies and Systems (CTS), 2014.  
<http://cts2014.cis.edu.info/3-committees/tpc>

Local Organization Committee, The 12th International Symposium on Smart Graphics 2014.  
<http://www.smartgraphics.org/sg14/#committee>

Audio/Video Co-Chair, ACM CSCW, 2013.  
[http://cscw.acm.org/2013/committee\\_pc.html](http://cscw.acm.org/2013/committee_pc.html)  
<http://cscw.acm.org/2013/committee.html>

International Program Committee, Asia Pacific Conference on Computer-Human Interface (APCHI), 2013  
<http://apchi2013.org/>

Publicity Co-Chair & Session Chair, The First International Symposium of Chinese CHI, 2013

<http://chchi2013.icachi.org/page/committee>

Program Committee, International Conference on Computers in Education (ICCE), 2012, 2013

<http://www.lsl.nie.edu.sg/icce2012/call-for-papers/c2-icce-conference-on-computer-supported-collaborative-learning-cscl-and-learning-sciences/>

Program Committee, Global Chinese Conference on Computers in Education (GCCCE), 2012, 2013

<http://www.gccce2012.org/C1.html>

Program Committee, 2013 Conference on Technologies and Applications of Artificial Intelligence (TAAI), 2013.

<http://taai2013.nccu.edu.tw>

Program Committee, International Conference on Service Science and Innovation (ICSSI), 2013

<http://icssi2013.s3tw.org/programcommittee.html>

Program Committee, International Workshop on Multimodality in Multiparty Interaction (MuMI), 2013.

<http://research.nii.ac.jp/~bono/en/event/MiMI2013.html>

### Services for Local Conferences and Workshops

Program Committee and Panelist, The First Taiwan CSCL & AIED Workshop

<http://sites.google.com/site/csclaied2012/ca>

Program Committee, Computer Graphics Workshop, 2012, 2013

<http://cgv.cs.nthu.edu.tw/cgw2013/>

Program Committee, NCS 2011 Workshop on Artificial Intelligence, Fuzzy Systems and U-Learning, National Computer Symposium 2011, Chiayi, Taiwan.

### Review Services and Others

PhD Admission Committee, Department of Information Science, Cornell University (Spring 2010).

Conference Reviewer for *ACM CHI* (2009-2015), *ACM CSCW* (2010-2015), *ACM ICIC* (2009-2011), *ACM UbiComp* (2009-2011, 2013-2014), *ACM DocEng* (2005, 2006, 2008, 2009), *ACM IUI* (2006, 2007), *Cognitive Science* (2008, 2009), *CSCL* (2007, 2009), *AIED* (2007), *ICLS* (2008, 2010), *APSCE ICCE* (2009,2012), *IEEE/WIC/ACM Web Intelligence* (2007), *IEEE CIS-RAM* (2008).

Journal Reviewer for *Human-Computer Interaction (Taylor & Francis)* (2012, 2014), *ACM Transactions on Computer-Human Interaction* (2013-), *Journal of Information Science and Engineering* (2012-), *Journal of the Chinese Institute of Engineering* (2012), *User Modeling and User-Adapted Interaction (Springer)*(2011), *IEEE Transactions on Education* (2004—2007), *Computers & Education (Elsevier)* (2008—), *Journal of Virtual Reality (Springer)*(2006), *Research and Practice in Technology-Enhanced Learning (World Scientific)* (2013).

### OTHER WORK EXPERIENCE

Compulsory Military Service (rank: second lieutenant) (July 2000 – March 2002)

ARMY, Taiwan (R.O.C.)

Practice Science Teacher (July 1999 – June 2000)

Taipei Municipal Jen-Ai Junior High School, Taipei, Taiwan

Summer Internship (July – August, 1998)

Institute of Astronomy, National Central University, Jhongli, Taiwan

### PROFESSIONAL SOCIETIES AND ASSOCIATIONS

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### CITIZENSHIP

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