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Educations:

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| 1988 | University of Minnesota, USA | Ph. D. Degree in Psychological Foundation |
| 1982 | University of North Carolina at Charlotte | M.A Degree in Human Development & Learning |
| 1981 | National Kaohsiung Normal University, Taiwan | M.A. Degree in Education |
| 1977 | National Kaohsiung Normal University, Taiwan | B.A. Degree in English |

Employment and Related Experiences:

- 2009– Now Professor, Department of Education, National University of Tainan, Taiwan
- 2005–2009 Dean of College of Education, National University of Tainan, Taiwan
- 2002 – 2005 Chairperson, Institute of Educational Measurement & Statistics , National University of Tainan, Taiwan
- 1993 – 2001 Director, Educational Measurement Center, National University of Tainan, Taiwan
- 1991 – 2002 Professor, Department of Primary Education, National University of Tainan, Taiwan
- 1988 – 1991 Associate Professor, Department of Primary Education, National University of Tainan, Taiwan
- 1982 – 1984 Teaching Assistant, Special Education Center, National Hsinchu University of Education, Taiwan.
- 1977 – 1979 English Teacher of Er-Lin Middle School, Taiwan

Awards and Honoraries:

- 2004 Distinguished Scholar, Chinese Association of Psychological Testing

Research Activities and Projects (2011-2015):

- 2014 – 2015 Development of a Technology-based Problem Solving Dynamic Assessment System (103-2410-H024-003-,Ministry of Technology: NT\$ 765,000)
- 2014 – 2015 Development of a Dynamic Assessment System for Online Reading Literacy (1032420-H-024-001MY2, Ministry of Technology: NT\$ 1,868,000)
- 2013 – 2014 Taiwan PISA 2012: Issues of Educational Equity (Ministry of Technology: NT\$3,240,000)
- 2012 – 2014 A Study on the 8th graders' Online Problem Solving (01-2410-H-024025-MY2) (Ministry of Technology: NT\$1,469,000)
- 2012 – 2013 Taiwan PISA 2012: Issues of Educational Equity (Ministry of Technology: NT\$8,690,000)
- 2011 – 2012 Taiwan PISA 2012: Issues of Educational Equity (Ministry of Technology: NT\$6,872,000)
- 2011 - 2015 Management and Updating the Screening Resources for Gifted Students (Education Bureau of Kaohsiung: 214,000 annually)

Courses Taught:

- Educational Measurement & Cognitive Psychology
- Online Learning & Assessment

- Research Methodology
- Measurement Theory
- Issues of Formative Assessment
- Item Bank Construction
- Rating Scale Construction
- Advanced Topics on Dynamic Assessment
- Assessment for Online Reading Literacy

Journal Publications:

1. Yueh-Hsun Lee, Pi-Hsia Hung*, Wen-Yi Chang. (2016). A difficulty component model for developing computerized problem-solving assessments. *Journal of Computers in Education*. pp 1-17.
2. Pei-Ju Sung, Su-Wei Lin*, & Pi-Hsia Hung. (2015). Factors Affecting Item Difficulty in English Listening Comprehension Tests. *Universal Journal of Educational Research*, 3(7), 451-459.
3. **Pi-Hsia Hung**, Gwo-Jen Hwang, Yueh-Hsun Lee, Tsung-Hsun Wu, Bahtijar Vogel, Marcelo Milrad & Emil Johansson (2014, Oct). A Problem-based Ubiquitous Learning Approach to Improving the Questioning Abilities of Elementary School Students. *Journal of Educational Technology & Society*, 17(4), 316–334. (SSCI). NSC 101-2511-S-011-005-MY3.
4. Gwo-Jen Hwang, Pi-Hsia Hung, Nian-Shing Chen and Gi-Zen Liu (2014, May). Mindtool-Assisted In-Field Learning (MAIL): An Advanced Ubiquitous Learning Project in Taiwan. *Educational Technology & Society*, 17 (2), 4–16. (SSCI). NSC 100-2631-S-011-002.
5. **Hung, P.H.**, Hwang, G.-J., Lin, Y.-F., Wu, T.-H., & Su, I.-H. (2013, Jan). Seamless Connection between Learning and Assessment- Applying Progressive Learning Tasks in Mobile Ecology Inquiry.. *Educational Technology & Society*, 16(1), 194–205. (SSCI). NSC 99-2511-S-011-011-MY3.
6. **Hung, P. H.**, Hwang, G. J., Lee, Y. H., & Su, I. H. (2012, May). A Cognitive Component Analysis Approach for Developing Game-based Spatial Learning Tools. *Computers & Education*, 59(2), 762-773. (SSCI). NSC 99-2511-S-011011-MY3.
7. **Hung, P. H.**, Hwang, G. J., Su, I. H., & Lin, I. H. (2012, Jan). A concept-map integrated dynamic assessment system for improving ecology observation competences in mobile learning activities. *Turkish Online Journal of Educational Technology*, 11(1), 10-19. (SSCI). NSC 99-2631-S-011-002.
8. **Hung, P. H.**, Hwang, G. J., Lin, I. H., & Su, I. H. (2012). The characteristics of gifted students' ecology inquiries in ubiquitous learning activities. *International Journal of Mobile Learning and Organisation*, 6(1), 52-63. (EI). NSC 99-2511S-011-011-MY3.
9. **Hung, P. H.**, Hwang, G. J., Lee, Y.H., & Wu, T.H. (2011, Nov). The problem refining progress of 5th graders' ubiquitous inquiry. *International Journal of Mobile Learning and Organisation*, 5(3/4), 255-267. NSC 99-2631-S011-002.
10. Lin, C. Y., **Hung, P. H.**, Jen Y. H., & Lin, C. C (2011, Feb). Perception of motion trajectory as a spatial concepts activity for children. *Advanced Materials Research*, Vols 187, 332-337. (EI). NSC 98-2410-H-024-018.
11. Lin, C. Y., **Hung, P. H.**, Jen Y. H., & Lin, C. C. (2011, Feb). Perception of motion trajectory as a spatial concepts activity for children. *Advanced MaterialsResearch*, Vols 187, 332-337. (EI).
12. **Hung, P.H.**, Lin, Y.-F., & Hwang, G.-J. (2010, Sep). Formative Assessment Design for PDA Integrated Ecology Observation. *Educational Technology & Society*, 13(3), 33-42. (SSCI). NSC 98-2631-S-024-001.
13. **Hung, P. H.**, Huang, C. J., Yeh, Y. H., & Chang, K. L. (2010, May). The development of an

- online reading literacy assessment. *Advanced Materials Research*, Vols 108-111. 838-84. (EI).
14. **Hung, P. H.**, Hwang, G. J., Lin, I. H., & Hung, X. T. (2010, May). The development of a computerized ecology observation competence assessment. *Advanced Materials Research*, Vols 108-111, 860-865. (EI).
 15. Yeh, Y. F., Chen, M. C., **Hung, P. H.**, & Hwang, G. J. (2010, May). Optimal selfexplanation prompt design in dynamic multi-representational learning environments. *Computers & Education*, 54(4), 1089-1100. (SSCI).
 16. 洪碧霞, 林素微* (2017年12月)。認知本位電腦化學習評量系統的應用效益與拓展方向：以攜手計畫課後扶助方案科技化評量系統為例。《測驗學刊》, 64(4), 313-339。(TSSCI)
 17. 蘇義翔、洪碧霞(2015)。基於認知成分之代數推理測驗自動化命題模式之發展。《人文社會學報》, 11(2), 133-162。
 18. 林素微、吳正新、洪碧霞 (2013年06月)。課室教學活動對數學學習成就解釋力之探討：以TIMSS 2007臺灣資料為例。《測驗統計年刊》, 21, 41-59。
 19. 孫慧茹, 洪碧霞 (2013年04月)。國民小學代數動態評量的發展與應用。《數位學習科技期刊》, 5(2), 59-82。
 20. 林尹千、洪碧霞 (2012年)。國中學生社會領域線上閱讀素養評量工具之發展。《人文社會學報》, 8(2), 157-188。
 21. 洪碧霞、林素微、吳裕益 (2011年10月)。臺灣九年級學生閱讀樂趣與策略對 PISA閱讀素養解釋力之探討。《課程與教學季刊》, 14(4), 1-23。(TSSCI)。
 22. 李淑華、洪碧霞 (2011年01月)。電腦化課文摘要動態評量系統應用效益之探討。《數位學習科技期刊》, 3(1), 86-100。
 23. 黃彥博, 洪碧霞, 蘇義翔 (2011年01月)。科學文章摘要自動化計分方式的比較研究。《數位學習科技期刊》, 3(1), 1-28。
 24. 曾建勳、洪碧霞 (2011年)。素養取向科技使用量表之發展。《數位學習科技期刊》, 3(2), 81-98。
 25. 蘇義翔、洪碧霞 (2011年)。兼顧認知成分分析與難度參數變異的圖形推理試題模型發展策略。《數位學習科技期刊》, 3(3), 95-108。
 26. 蕭嘉偉、洪碧霞 (2010年10月)。試算表融入的數學教學與評量設計。《數位學習科技期刊》, 2(3), 1-18。
 27. 陳靜姿, 洪碧霞 (2010年09月)。不同數學學習氣質學生情意和成長特徵之探討。《教育心理學報》, 42(1), 77-98。(TSSCI)。
 28. 洪碧霞、謝堅、李建興、林柏宏 (2010年02月)。攜手課後扶助計畫數學評量題庫資源開發與應用——以國中一年級為例。《教育研究月刊》, 190, 39-51。
 29. 洪碧霞、蕭嘉偉、林素微 (2010年01月)。PISA數學素養認知成份分析對補救教學的意涵。《課程與教學季刊》, 13(1), 46-66。(TSSCI)。
 30. 張世強、洪碧霞 (2010年)。認知成份依據的電腦化圖形推理測驗發展。《數位學習科技期刊》, 2(2), 78-92。

Conference Proceedings and Presentations:

31. Yu-Ching Huang, Pi-Hsia Hung*, Ku-Chou Chang (2014, Sep). Development of an Online Reading Literacy Assessment on Life Information after mild stroke. 3rd International Conference on Learning Technologies and Learning Environments (LTLE2014), Fukuoka, Japan.(ISBN 978-1-4799-4174-2)
32. Yu-Rong Liao, Pi-Hsia Hung*, Gwo-Jen Hwang, Wen-Yi Chang (2014, Sep). An Investigation of Junior High School Students' Online Historical-Documents Reading

- Literacy. 3rd International Conference on Learning Technologies and Learning Environments (LTLE2014), Fukuoka, Japan. MOST 103-2420-H-024-001-MY2.(ISBN 978-1-4799-4174-2)
33. Yueh-Hsun Lee, Gwo-Jen Hwang, Pi-Hsia Hung*, I-Hwa Lin (2014, Sep). Investigation on collaboration competency of elementary school students in ubiquitous problem-based learning. 3rd International Conference on Learning Technologies and Learning Environments (LTLE2014), Fukuoka, Japan. NSC 101-2511-S-011-005-MY3. ISBN 978-1-4799-4174-2)
 34. Wen-Yi Chang, Hung-Chun Lin, **Pi-Hsia Hung** (2013, Dec). The Item Difficulty Analysis of a Music On-line Reading Literacy Assessment. PNC 2013 Annual Conference and Joint Meetings.
 35. Yueh-Hsun Lee, **Hung, P. H.**, Hwang, G. J. (2013, Dec). Investigation on Difficulty Components on Computerized Problem-Solving Assessment. PNC 2013 Annual Conference and Joint Meetings.
 36. Lin, S. W., Hsieh, K. J., Tso, T Y., & **Hung, P. H.** (2012, Jul). Opportunities to Learn: Reflection on Taiwanese Students' Results of International Assessment. Proceedings of the 36th Conference of the International Group for the Psychology of Mathematics Education, Taipei, Taiwan.
 37. **Hung, P.H.**, Hwang, G.J., Wu, T.H., Lin, I.H., Lee, Y.H., Chang, W.Y. (2012, Mar). The Differences of Collaborative Learning and Scientific Inquiry Competencies between Experienced and Novice Learners in Ubiquitous Problem-Based Learning. Wireless, Mobile and Ubiquitous Technology in Education (WMUTE), 2012 IEEE Seventh International Conference on Date of Conference, Takamatsu, Kagawa, Japan. NSC 99-2631-S-011-002.
 38. Hsiao, C. W., & **Hung, P. H.** (2011, Jul). The development of spreadsheet integrated dynamic assessment scoring rubric. Paper presented at the Pacific Rim Objective Measurement Symposium (PROMS 2011), Singapore. NSC 99-2511S-024-002.
 39. **Hung, P. H.**, Hwang, G. J., & Hung, X. T. (2010, Sep). A Concept Map Embedded Formative Assessment Design for Assessing Students' Knowledge Structure in a Mobile Ecology Learning Environment.. Asia-Pacific Conference on Technology Enhanced Learning 2010 (APTEL2010), Kansai University, Osaka, Japan. NSC 98-2631-S-024-001.
 40. **Hung, P. H.**, Hwang, G. J., & Lin, I. H. (2010, Sep). The Implications of cognitive component analysis to the Computerized Ecology Observation Competence Assessment for Mobile Learning Design.. Asia-Pacific Conference on Technology Enhanced Learning 2010 (APTEL2010), Kansai University, Osaka, Japan. NSC 98-2631-S-024-001.
 41. **Hung, P. H.**, Hwang, G. J., Su, I. H., & Chuang, F. C. (2010, Sep). The Effects of a Concept Map Integrated Mobile Learning Design for Ecology Observation.. Asia-Pacific Conference on Technology Enhanced Learning 2010 (APTEL2010), Kansai University, Osaka, Japan. NSC 98-2631-S-024-001.
 42. Hwang, G. J., **Hung, P. H.**, Shih, J. L., & Chu, H. C. (2010, Sep). Development of Mindtools and Learning Strategies for Ubiquitous Learning- a National elearning Project in Taiwan.. Asia-Pacific Conference on Technology Enhanced Learning 2010 (APTEL2010), Kansai University, Osaka, Japan. NSC 98-2631-S024-001.
 43. Lin, C. H., **Hung, P.**, & Gau, S. S. (2010, Aug). ADHD, Working Memory and Mathematical Achievement. Annual Meeting of the American Academy of Child and Adolescent Psychiatry (AACAP), Honolulu, Hawaii, USA.
 44. Lin, C. Y., **Hung, P. H.**, Wang, L. C., & Lin, C. C. (2010, Aug). Reducing Cognitive Load through Virtual Environments among Hearing-impaired Students. 2010 Second Pacific-Asia Conference on Circuits, Communications and System (PACCS 2010).
 45. **Hung, P. H.**, Chen, S. Y. (2010, Jul). A validity study on the Cartoon Integrated Computerized English Listening Test for Taiwanese.. Presented at The 7th International Test Commission Conference (ITC HK 2010), Hong Kong, China.
 46. **Hung, P. H.**, Lin, C. Y., Liu, C. C., Ni, C. H., Chou, Y. Y. (2010, Jul). Development and

- Application of Multimedia Intergrated Assessment for Sense of Pitch and Rhythm.. Presented at The 7th International Test Commission Conference (ITC HK 2010), Hong Kong, China.
47. **Hung, P. H.**, Lin, C.Y., Liu, C. C., & Chang, Y. Y. (2010, Jul). Development and Application of Online Assessment for Experimental debugging performance. Presented at The 7th International Test Commission Conference (ITC HK 2010), Hong Kong, China.
 48. **Hung, P. H.**, Su, I. H. (2010, Jul). Validity Study on Automatic Scoring Methods for the Summarization of Scientific Articles. Presented at The 7th International Test Commission Conference (ITC HK 2010), Hong Kong, China.
 49. Wang, M. H., Yan, Z. R., Lee, C. S., **Hung, P. H.**, Kuo, Y. L., Wang, H. M., & Lin, B. H. (2010, Jul). Apply fuzzy ontology to CMMI-based ASAP assessment system.. 2010 IEEE World Congress on Computational Intelligence (WCCI 2010), Barcelona, Spain.
 50. Lin, C. H., Lin S. H., **Hung, P. H.**, & Gau, S. F. (2010, Jun). The impact of ADHD on Chinese achievement: an exploration on working memory mediated model.. 19th International Association for Child and Adolescent Psychiatry and Allied Professions Congress, Beijing, China.
 51. Lin, C. Y., **Hung, P. H.**, Lin, J. Y., & Lun, H. C. (2010, Jun). Study on augmented reality as a teaching aid for handicapped children. Key Engineering Materials.
 52. **Hung, P.H.**, Huang, C.J., Yeh, Y.H., Chang, K.L. (2010, May). The development of an online reading literacy assessment. Advanced Materials Research.
 53. **Hung, P.H.**, Hwang, G.J., Lin, I.H., Hung, X.T., Wu, T.H. (2010, May). The Development of a Computerized Ecology Observation Competence Assessment. Advanced Materials Research. NSC 98-2631-S-024-001.
 54. Lin, S.W., **Hung, P.H.** (2010, May). Development of a computerized dynamic assessment system on number sense. Advanced Materials Research.
 55. **Hung, P. H.**, & Su, I. H. (2010, Mar). Applying Affective Assessment to Detect the ICT Infused Mathematics Intervention Effect. Proceedings of Informatics in Control, Automation and Robotics (CAR), 2010 2nd International Asia Conference, Wuhan, China. NSC 98-2631-S-024-001.
 56. 吳宗勳、洪碧霞、黃國禎（2012年10月）。U化問題導向合作探究學習系統的發展與應用。TWELF 2012第八屆台灣數位學習發展研討會，台南市：國立成功大學。
 57. 孫慧茹、洪碧霞、林宜樺（2012年10月）。國小代數動態評量發展與應用。TWELF 2012第八屆台灣數位學習發展研討會，台南市：國立成功大學。
 58. 蕭嘉偉、洪碧霞（2012年10月）。試算表融入數學素養動態評量的發展與應用。TWELF 2012第八屆台灣數位學習發展研討會，台南市：國立成功大學。
 59. 26. 蘇義翔、洪碧霞（2012年10月）。電腦化代數推理能力測驗效度之研究。電腦化代數推理能力測驗效度之研究，台南市：國立成功大學。
 60. Lin, S. W., & **Hung, P. H.** (2012年07月)。The Effects of The After School Alternative Program on Taiwanese Fourth and Eighth Graders' Mathematics Achievement and Goal Orientation。Proceedings of the 36th Conference of the International Group for the Psychology of Mathematics Education, Taipei, Taiwan。
 61. 林健禾，林思賢，洪碧霞，高淑芬（2010年06月）。以工作記憶為中介模式 探討不專心對國語成績的影響。台灣兒童青少年精神醫學會十二周年年會暨 學術研討會，台北，台灣。

BOOK AND BOOK CHAPTER

1. 洪碧霞、張文宜（2015）。緒論：臺灣PISA 2012。載於臺灣PISA國家研究中心（主編），臺灣PISA 2012結果報告。pp.1-9。台北：心理出版社。（ISBN 978-986-191-656-9）

2. 洪碧霞、劉妍希（2015）。臺灣PISA 2012執行說明。載於臺灣PISA國家研究中心（主編），**臺灣PISA 2012結果報告**。pp.10-22。台北：心理出版社。(ISBN 978-986-191-656-9)
3. 洪碧霞、張文宜、李岳勳、李健興、林千玉（2015）。學生問題解決能力素養表現分析。載於臺灣PISA國家研究中心（主編），**臺灣PISA 2012結果報告**。pp.146-186。台北：心理出版社。(ISBN 978-986-191-656-9)
4. 洪碧霞、李岳勳、張文宜、陳昌明、黃秀霜（2015）。學生閱讀表現分析。載於臺灣PISA國家研究中心（主編），**臺灣PISA 2012結果報告**。pp.187-243。台北：心理出版社。(ISBN 978-986-191-656-9)
5. 洪碧霞、林素微（2015）。結論與建議。載於臺灣PISA國家研究中心（主編），**臺灣PISA 2012結果報告**。pp.511-560。台北：心理出版社。(ISBN 978-986-191-656-9)
6. 洪碧霞、吳正新、劉研希（2011年12月）。緒論：臺灣PISA 2009。臺灣PISA 2009結果報告（1-10）。台北：心理出版社。
7. 洪碧霞、黃秀霜、林千玉、王秀云（2011年12月）。結論與建議。臺灣PISA 2009結果報告（317-328）。台北：心理出版社。
8. 林素微、洪碧霞（2010年01月）。數學連結能力的評量試題設計。呼應能力指標的教學與評量設計（159-178）。台北：心理出版社。
9. 洪碧霞、陳沅、林宜樺（2010年01月）。學生學習能力的培育與評量。呼應能力指標的教學與評量設計（1-20）。台北：心理出版社。
10. 陳煥文、洪碧霞、徐秋月（2010年01月）。社會學習領域教學設計。呼應能力指標的教學與評量設計（225-244）。台北：心理出版社。
11. 陳煥文、洪碧霞、徐秋月（2010年01月）。社會學習領域教學評量設計。呼應能力指標的教學與評量設計（245-268）。台北：心理出版社。