

Curriculum Vitae

Name: Chia-Chi Wang (王佳琪)
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Birth: August 5, 1984
Citizenship: Taiwan
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Current position: Post-doctoral researcher, Institute of Education, NSYSU
(02.2015-01.2016)



**Date of updating the CV: 11.03.2015*

Education

2010 – 2015 Doctor of Philosophy (Highest degree obtained)
Institute of Education, National Sun Yat-sen University
Major: Educational Psychology
Advisor: Dr. Ying-Yao Cheng
Co-advisor: Dr. Wen-Bin Chiou
Title of dissertation:
Validation of Learning Progressions in Scientific Imagination (in Chinese)
(博士論文題目：科學想像力學習進程之驗證)

2008 - 2010 Master in Education
Institute of Education, National Sun Yat-sen University
Major: Educational Psychology
Advisor: Dr. Ying-Yao Cheng
Title of initial Thesis:
A Rasch Analysis of the Chinese-version Multidimensional (in Chinese)

Sense of Humor Scale

(碩士論文題目：以Rasch模式檢驗中文版多向度幽默感量表之信效度)

2002 - 2006

Department of Natural Science Education (Minor in Special Education)

National Pingtung University of Education

Title: *Critical thinking skills of college students to public hearings will enhance the scientific issues* (in Chinese)

(專題研究題目：以公聽會提升大專學生對科學議題批判思考能力之探討)

Certificates

2007 National Elementary School Teacher Certificate issued by Education Ministry, Taiwan

【No. 9603340】

國民小學教師證書

【小字第九六〇三三四〇號】

Research Interests

Creativity, Imagination, Humor, Educational Psychology, Social Psychology, Educational Testing and Assessment in Rasch Measurement and its applications to educational and psychological measurement

Awards/Honors

2014 Visiting doctoral level student at the Faculty of Behavioural Sciences at the University of Helsinki during the period of April 1, 2014-November 30, 2014.(芬蘭赫爾辛基大學行為科學院訪問博士生)

2014 Recipient of the Graduate Students Study Abroad Program sponsored by National Science Council (now Ministry of Science and Technology, 2014) (103-2917-I-110-002)

Awarded a NT \$ 400,000 (approximately US\$13,800) grant for 8 months

School: Institute of Behavioral Sciences, Faculty of Behavioural Sciences,

University of Helsinki, Finland

Proposal title: A comparison study on the difference of scientific imagination between elementary school students in Taiwan and those in Finland

(通過國科會補助博士生赴國外研究學術補助)

2013 Travel Support of International Conference for Graduate Students

- National Science Council (now Ministry of Science and Technology, 2014)
(NSC-102-2922-I-110-069), Taiwan (ECP 2013; Stockholm)
(國科會補助國內研究生出席國際學術會議)
- 2012 Travel Support of International Conference for Graduate Students
Ministry of Education (【01RA03706】教育部-博士生出席國際會議-社科院【R001】
政府補助項目；5131-232), Taiwan (AARE-APER 2012; Sydney)
- 2012 Travel Support of International Conference for Graduate Students
National Science Council (now Ministry of Science and Technology, 2014)
(NSC-101-2922-I-110-014), Taiwan (AERA 2012; Vancouver)
(國科會補助國內研究生出席國際學術會議)
- 2010 Travel Support of International Conference for Graduate Students
National Science Council (now Ministry of Science and Technology, 2014)
(NSC-99-2922-I-110-066), Taiwan (WCCI 2010; Hungary)
(國科會補助國內研究生出席國際學術會議)
- 2009 Travel Support of International Conference for Graduate Students
Institute of Education, National Sun Yat-sen University (PROMS 2009; Hong Kong)

Speech/Lecture experience

- 10-11.01.2015 「科學想像力模式對原住民學童科學學習之效果工作坊」共同講者
主題：什麼是想像力？
- 17.12.2014 國立中山大學校友回娘家活動之薪心相傳~校友經驗分享
主題：千里馬分享-我的芬蘭驚艷
- 13.11.2013 Advanced teaching workshop co-lecturer in Kaohsiung Municipal Ta-Tung
Elementary School, Kaohsiung, Taiwan.
Topic: Development of Scientific Imagination process and assessment (in Chinese)
(主題：科學發明想像力歷程之發展與評量)
- 19-22.12.2012 Workshop co-lecturer in 2012 Annual Conference of Taiwan Education Research
Association, National Sun Yat-sen University, Kaohsiung, Taiwan.
Topic: Test Development and advanced Rasch analysis (in Chinese)
(主題：測驗編製與進階 Rasch 分析)

- 24-25.07.2012 Co-lecturer in Imagination Assessment workshop, National Kaohsiung Normal University, Kaohsiung, Taiwan.
Topic: Assessment of Scientific Imagination (in Chinese)
(主題：科學想像力評量)

Memberships in Professional Societies

Student Member

- 2012 – Present American Educational Research Association
2011 – Present European Federation of Psychologists' Associations
2010 – Present World Council for Curriculum & Instruction
2009 – Present Taiwan Education Research Association

Research Assistant/ Previous work experience

- 2014 – 2015 National Science Council in Taiwan
Ying-Yao Cheng, Huann-Shyang Lin, & Wen-Chung Wang
The Effect of Scientific Imagination Model on Indigenous Elementary Students' Science Learning
科學想像力模式對原住民學童科學學習之效果
(NSC102-2511-S-110 -002 -MY3)
- 2011 – 2014 National Science Council in Taiwan
Ying-Yao Cheng, Huann-Shyang Lin, & Wen-Chung Wang
Learning Progressions of Scientific Imagination: Aligning Curriculum, Teaching, and Assessment
科學想像力學習進程之研究：課程、教學與評量的連結
(NSC100-2511-S-110-002-MY3)
- 2011 – 2013 National Science Council in Taiwan
Ying-Yao Cheng, Huann-Shyang Lin, & Wen-Chung Wang
Validation of Scientific Imagination Model: Curriculum development and Experimental Teaching
科學想像力之模式驗證：課程發展與教學實驗
(NSC100-2511-S-110-007-MY2)
- 2010 – 2011 Ministry of Education
Ying-Yao Cheng, & Der-Long Fang
Futures Imagination and Creativity in Education for Education Administration and Teacher Training

未來想像與創意人才培育
(00RA016)

- 2009 – 2012 National Science Council in Taiwan
Ying-Yao Cheng, Huann-Shyang Lin, & Ching-Lin Shih
Development of Conceptual Learning and Classroom Assessment Model: An Application in the Subject of Chemistry
課堂中科學概念學習評量模式之發展：以化學科為例
(NSC 98-2511-S-110 -004 -MY3)
- 2009 – 2012 National Science Council in Taiwan
Hsueh-Hua Chuang & Ying-Yao Cheng
Imagination of scientific invention
科學發明的想像力
(NSC98-2511-S-110-008-MY2)
- 2008 – 2010 KKP Inter-University Resource Center for Teaching and Learning
Ying-Yao Cheng
Development and Validation of Learning Attitude Scale and Learning Strategy Scale on undergraduates.
教育部-獎勵大學校院設立區域教學資中心計畫-高高屏區域
(98RA00203)
- 2008 – 2010 National Science Council in Taiwan
Ying-Yao Cheng & Su-Shin Chung
A Longitudinal Examination of Gender Stereotype Threat Effect Mechanisms on Female Students' Learning in Science Classes
性別刻板印象威脅對女學生科學學習的影響機制之縱貫研究
(NSC 97-2511-S-110 -004 -MY2)
- 2007 – 2008 Dasun Elementary School in Taiwan
Elementary subject teacher: Science and Technology
高雄市旗津區大汕國小自然科代理教師

Related Courses that I took at graduate school

Methodology

- Methodology for Social Science
- Methodology of Educational Studies
- Educational Research Methods
- Special Topics in Methodology of Educational Studies
- Qualitative research methods

Education

Studies in Educational Psychology
Studies in Creative Thinking and Teaching
Current Issues in Social Psychology
Studies in Curriculum Theories
Studies in Special Education
Studies in Educational Administration
Studies in Comparative Education

Statistics and Measurement

Studies in Education Testing and Measurement
Test Theory and its Applications
High Education Psychological Testing
Research in Advanced Statistics in Education
Testing Software Application
Structural Equation Modeling
Studies in Educational Statistics

Computer Programs that I am Familiar with

SPSS, AMOS, HLM, ConQuest, WINSTEPS, Construct Map, BILOG-MG

Journal Papers (*corresponding author)

1. 鍾素香、鄭英耀、**王佳琪** (revised)。閱讀理解篩選測驗再驗證和應用。測驗學刊 (TSSCI)
2. **Wang, C. C.**, Ho, H. C., & Cheng, Y. Y. (accepted). Building a learning progression for scientific imagination: A measurement approach. *Thinking Skills and Creativity*. (SSCI)
3. **王佳琪**、何曉琪、陳利銘、鄭英耀 (接受)。教育心理學研究與發展趨勢。教育研究月刊。(peer-review)
4. 陳利銘、**王佳琪**、馮綉雯 (付梓中)。國民小學高年級學童校園霸凌現況之研究。教育學刊。(TSSCI)
5. **王佳琪**、何曉琪、鄭英耀 (2014)。科學創造性問題解決測驗之發展。測驗學刊，61 (3)，

337-360 ◦ (TSSCI)

6. **Wang, C. C.**, Ho, H. C., Wu, J. J., & Cheng, Y. Y.(2014). Development of the scientific imagination model: A concept-mapping perspective. *Thinking Skills and Creativity*, *13*, 106–119. doi: doi:10.1016/j.tsc.2014.04.001 (SSCI, 2013 IF= 1.455, Rank in Category: Education & Educational Research: 33/219)
7. **Wang, C. C.**, Ho, H. C., Cheng, C. L., & Cheng, Y. Y.(2014). Application of the Rasch Model to the Measurement of Creativity: The Creative Achievement Questionnaire. *Creativity Research Journal*, *26*, 62-71. doi: 10.1080/10400419.2013.843347 (SSCI, 2013 IF= 1.514, Rank in Category: Psychology, Educational: 18/53)
8. Ho, H. C., **Wang, C. C.**, & Cheng, Y. Y. (2013). Analysis of the Scientific Imagination Process. *Thinking Skills and Creativity*, *10*, 68-78. doi:10.1016/j.tsc.2013.04.003 (SSCI, 2013 IF= 1.455, Rank in Category: Education & Educational Research: 33/219)
9. **Wang, C. C.**, Liu, K. S., Cheng, C. L., & Cheng, Y. Y. (2013). Comparison of Web-based versus Paper-and-pencil Administration of a Humor Survey. *Computers in Human Behavior*, *29*, 1007-1011. doi:10.1016/j.chb.2012.12.029 (SSCI, 2011 IF= 2.273, Rank in Category: Psychology, Multidisciplinary: 24/129)
10. **Wang, C. C.**, Cheng, Y. Y., Chiou, W. B., & Kung, C. C. (2012). Shame for money: Shame enhances the incentive value of economic resources. *Judgment and Decision Making*, *7*, 77-85. (SSCI, 2011 IF = 2.62, Rank in Category: Psychology, Multidisciplinary: 17/125)
11. 王佳琪、鄭英耀、劉昆夏、何曉琪 (2011)。以Rasch分析檢驗「多向度幽默感量表」之信效度。測驗學刊，**58** (4)，691-713 ◦ (TSSCI)

Conference Presentations

1. Cheng, Y. Y., Ho, H. C., **Wang, C. C.**, & Theng, S. Y. (2014). *Imagination: process, model, and teaching*. Invited Symposium at the Asia Pacific Educational Research Association International Conference 2014(APERA 2014), Hong Kong.
2. Chen, Y. T., Ho, H. C., **Wang, C. C.**, & Cheng, Y. Y. (2014, November). *The Development and Validation of the Ethnic Identity Questionnaire*. Paper presented at The Asia Pacific Educational Research Association International Conference 2014, Hong Kong, China.
3. Cheng, C. L., & Cheng, Y. Y., Ho, H. C., **Wang, C. C.** (2014, September). *Instruction of Cognitive Thinking Strategies to Promote Foreign Language Learners' Critical Thinking and Oral Expression*. Poster paper presented at the European Conference on Educational Research (ECER

- 2014), Porto, Portugal.
4. **Wang, C. C.**, Ho, H. C., Cheng, C. L., Chiu, H. L., & Cheng, Y. Y. (2014, September). *Validation of the Verbal Test of Scientific Imagination*. Poster paper presented at the European Conference on Educational Research 2014 (ECER 2014), Porto, Portugal.
 5. **Wang, C. C.**, Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2014, June). *Validation of the Figural Test of Scientific Imagination*. Paper presented at the Nordic Research Symposium on Science Education (NFSUN 2014), Helsinki, Finland.
 6. Ho, H. C., **Wang, C. C.**, Cheng, C. L., & Cheng, Y. Y. (2014, June). *Validation of Scientific Imagination Theoretical Model: A Rasch Measurement Approach*. Paper presented at the Nordic Research Symposium on Science Education (NFSUN 2014), Helsinki, Finland.
 7. 王佳琪、何曉琪、鄭英耀 (2013, 12月)。科學創造性問題解決測驗之發展。2013第29屆科學教育國際研討會，台灣彰化。
 8. Ho, H. C., **Wang, C. C.**, Cheng, Y. Y., Cheng, C. L., & Kuo, C. W. (2013, July). *Validation of the Runco Ideational Behavior Scale: A Rasch measurement Perspective*. Paper presented at the 13th European Congress of Psychology (ECP 2013), Stockholm, Sweden.
 9. Chen, L. M., Ho, H. C., **Wang, C. C.**, & Cheng, Y. Y. (2013, July). *Prevalence and common behaviors of school bullying among elementary students in Taiwan*. Paper presented at the 13th European Congress of Psychology (ECP 2013), Stockholm, Sweden.
 10. **Wang, C. C.**, Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2012, December). *The Development of Scientific Imagination model*. Paper presented at the AARE-APERA 2012 Conference, Sydney, Australia.
 11. Ho, H. C., **Wang, C. C.**, Cheng, C. L., & Cheng, Y. Y. (2012, December). *Development of the Teacher Scientific Imagination Scale: A Rasch measurement*. Paper presented at the AARE-APERA 2012 Conference, Sydney, Australia.
 12. **Wang, C. C.**, Ho, H. C., Cheng, C. L., & Cheng, Y. Y. (2012, April). *Validation of Creative Achievement Questionnaire: Through A Rasch Perspective*. Paper presented at the 2012 AERA Annual Meeting, Vancouver, Canada.
 13. Wang, Y. H., **Wang, C. C.**, Ho, H. C., & Cheng, Y. Y. (2011, December). *The Effect of Imagery Strategies on Learning Performance*. Paper presented at the 2011 TERA International Conference on Education (TICE 2011), Kaohsiung, Taiwan.
 14. **Wang, C. C.**, Cheng, Y. Y., & Ho, H. C. (2011, July). *A comparison of the web-based and paper-and-pencil versions of the RMSHS with a sample of undergraduate students*. Paper presented at the European Congress of Psychology (ECP 2011), Istanbul, Turkey.

15. Ho, H. C., Cheng, Y. Y., & **Wang, C. C.** (2011, July). *Analysis of Scientific Imagination Process*. Paper presented at the European Congress of Psychology (ECP 2011), Istanbul, Turkey.
16. Tsai, H. P., Cheng, Y. Y., **Wang, C. C.**, & Cheng, C. L. (2010, November). *A Study on Preservice Teachers' Critical Thinking*. Paper presented at the 2010 Taiwan Education Research Association Conference (TERA 2010), Kaohsiung, Taiwan.
17. **Wang, C. C.**, Cheng, Y. Y., & Ho, H. C. (2010, November). *A Rasch Analysis of Revised Multidimensional Sense of Humor Scale*. Paper presented at the 49th annual meeting of Taiwanese psychological Association, Chia-Yi, Taiwan.
18. Ho, H. C., Cheng, Y. Y., & **Wang, C. C.** (2010, November). *The definition of scientific imagination: A example of International Exhibition for Young Inventors (IEYI)*. Paper presented at the 49th annual meeting of Taiwanese psychological Association, Chia-Yi, Taiwan.
19. Ho, H. C., Cheng, Y. Y., & **Wang, C. C.** (2010, July). *A Rasch analysis of Taiwan undergraduate students' learning strategies*. Paper presented at the 14th World Conference in Education of the World Council for Curriculum and Instruction. Pécs, Hungary.
20. **Wang, C. C.**, Cheng, Y. Y., & Ho, H. C. (2010, July). *A Rasch Analysis of Revised Multidimensional Sense of Humor Scale*. Paper presented at the 14th World Conference in Education of the World Council for Curriculum and Instruction. Pécs, Hungary.
21. Ho, H. C., Cheng, Y. Y., **Wang, C. C.**, & Chen, Y. L. (2009, July). *Development and validation of learning attitude scale*. Paper presented at Pacific Rim Objective Measurement Symposium 2009. The Hong Kong Institute of Education, Hong Kong.
22. **Wang, C. C.**, Cheng, Y. Y., & Ho, H. C. (2009, December). *Revision of Multidimensional Sense of Humor Scale*. Paper presented at the 2009 Taiwan Education Research Association Conference (TERA 2009), Kaohsiung, Taiwan.
23. Fan, L., Wang, Y. C., **Wang, C. C.**, & Tseng, Y. H. (2005). *Critical thinking skills of college students to public hearings will enhance the scientific issues*. Paper presented at the The 21th Conference on Science Education, Changhua, Taiwan.